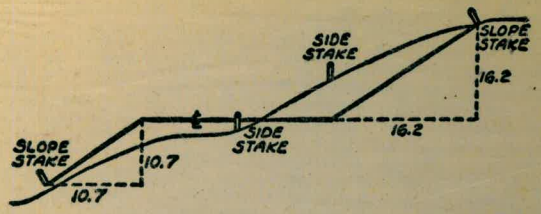


Distances from Side Stakes for Cross-Sectioning

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.

12.34
1.69
10.65

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	.70	.81	.92	1.04	1.29	1.42	1.54	1.66
40°	13	.26	.40	.53	.67	.80	.93	1.06	1.20	1.34	1.49	1.64	1.79	1.94
45°	15	.30	44	60	76	91	1.06	1.21	1.37	1.52	1.70	1.87	2.04	2.21
50°	17	.34	.51	.68	.85	1.02	1.19	1.36	1.54	1.72	1.91	2.10	2.29	2.48
55°	19	38	.57	76	.95	1.14	1.32	1.52	1.72	1.92	2.14	2.35	2.56	2.77
60°	.21	42	.63	.84	1.05	1.27	1.49	1.71	1.94	2.17	2.38	2.60	2.83	3.07
65°	23	46	.69	.93	1.16	1 40	1.64	1.88	2.13	2.38	2.63	2.88	3.13	3.39
70°	25	.51	76	1.02	1.28	1.54	1.80	2.06	2.33	2.60	2.88	3.16	3.44	3.72
75°	.27	.56	.83	1.12	1.40	1.69	1.98	2.27	2.57	2.87	3.16	3.47	3.78	4.09
80°	30	.61	.91	1.22	1.53	1.84	2.15	2.46	2 78	3.10	3.44	3.78	4.12	4.46
85°	33	66	1.00	1.33	1.68	2.02	2.36	2 70	3.05	3.40	3.77	4.14	4.55	4 89
90°	36	.72	1.09	1.45	1.83	2.20	2.57	2.94	3.32	3.70	4.10	4.50	4.91	5.32
95°	39	79	1.19	1.55	2.00	2.40	2.80	3.20	3.61	4.02	4.40	4.98	5.38	5.83
100°	43	.86	1.30	1.74	2.18	2.62	3.06	3.50	3.95	4.40	4.88	5.37	5.85	6.34
110°	51	1.03	1.56	2.08	2.61	3.14	3.67	4.21	4 76	5.31	5 86	6.43	7 01	7 60
120°	62	1.25	1 93	2.52	3.16	3.81	4 45	5.11	5.77	6 44	7 12	7.80	8.50	9 22

FOR EXTERNALS ADD

Central Angle	Degree of Curve													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.029	.032	.035	.039	.043	.047	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	036	.046	.056	.065	.074	.083	.093	.106	120	127	135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.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	1.76	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	.985	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

INDEX

ALLEY BLK 43

36TH ST. TO CHEROKEE
MADISON TO ADAMS
② STKS & GRDS FOR WAT. METS

BM	2.73	396.55		393.82
"	4.06	392.62	7.98	388.56
0-07 Nor				
0+00 = Prop. Line 36TH ST (Ely)				
0+00 Nor		4.0	388.6	388.2
0+47 Nor.		3.4	389.2	388.7
0+57 So.		3.6	389.0	388.7
0+88 Nor.		3.6	389.0	388.2
1+48 Nor.		5.3	387.3	386.9
1+72 Nor.		5.8	386.8	386.5
2+26 So		5.9	386.7	386.1
2+29 Nor.		5.7	386.9	386.0
2+31 Nor.		6.1	386.5	386.0
2+65.40 = Wly Prop Line Cherokee				
0+00 = Sly Prop. Line of Alley E & W				
0+73 E		4.9	387.7	387.6
0+78 W		4.3	388.3	387.9
1+11 E		4.0	388.6	387.9
1+16 W		3.9	388.7	388.0
1+69 W		3.5	389.1	388.3

JUNE, 7 1953
BEATTY
MARTELL
ALEXANDER

1.

7' L & T NE COR
WILSON & MADISON

BK of MET 7' RT & LT & Alley
(10315-L) (W.O 46211)

C04	
C05	
C03	
C08	
C04	
C03	
C06	✓
C09	✓
C05	✓
C01	✓
C04	✓
C07	✓
C07	✓
C08	✓

ALLEY BLK 43
(Cont'd.)

		392.62				
1+75 E			3.4	389.2	388.3	CO 9 ✓
2+02 W			3.7	388.9	388.4	CO 5 ✓
2+19 E			3.4	389.2	388.5	CO 7 ✓
2+65 W			3.1	389.5	388.8	CO 7 ✓
2+69 E			2.9	389.7	388.7	C1 2 ✓
3+15 E		5.44 395.11	2.95	389.67	388.8	CO 9 ✓
3+17 W			5.1	390.0	389.0	C1 2 ✓
3+77 W	2-METS		5.5	389.6	389.2	CO 4 ✓
3+85 E			5.5	389.6	389.0	CO 6 ✓
4+13 E			5.6	389.5	389.1	CO 4 ✓
4+27 W	2-METS		5.7	389.4	389.3	CO 1 ✓
4+78 W			5.3	389.8	389.3	CO 5 ✓
4+79 E			5.6	389.5	389.3	CO 2 ✓
5+25 E			5.1	390.0	389.4	CO 6 ✓
5+28 W			5.5	389.6	389.4	CO 2 ✓
5+62 E			5.6	389.5	389.5	CO 0 ✓
5+87 W			5.1	390.0	389.5	CO 5 ✓
5+90 E			5.1	390.0	389.6	CO 4 ✓
6+23 E			5.0	390.1	388.8	C1 3 ✓
6+50.67 = N'ly PROP LINE MADISON						
PI		6.24 397.66	3.69	391.42		L & T NW Cor 36 E of I-/ADISON
			3.82	393.84	=393.82	L & T NE Cor Wilson E "

PAC. BEACH BLVD
PROMONTORY TO HAINES
② STKS & GRDS FOR WATER METERS

JUNE 3 1953
BEATTY
MARTEL
ALEXANDER

BM.	10.98	57.19	46.21		
0+00 = Ely Prop Line Promontory				L&T & INGRAHAM & Wly line Pac Beach Dr.	25 per (10055-L) W.O. 46211
0+29 Nor		9.3	47.9	47.3	C0 6	BK of MET 62.5 Nor of So Prop. Line 18.5 Nor of " " " Pac. Beach Dr.
0+45 Nor		8.7	48.5	47.8	C0 7	
1+18 So.		5.9	51.3	49.9	C1 4	
1+28 Nor		5.0	52.2	50.8	C1 4	
1+71 So		3.3	53.9	52.2	C1 7	
2+05 Nor		2.15	55.0	53.4	C1 6	
CK BM	4.84	51.05	10.98	46.21		
0+00 = Wly Prop Line Jewell						
1+38 Nor		5.9	45.2	45.5	FO 3	1656 Pac Beach Dr.
1+99 Nor		5.75	45.3	45.7	FO 4	1646 "
2+72 Nor		5.4	45.6	46.0	FO 4	1636 "
3+26 Nor		5.25	45.8	46.2	FO 4	1626 "
3+94 Nor.		4.9	46.1	46.5	FO 4	1616 "
5+00 Ely Prop Line Ingraham						
CK BM			4.84	46.21		

JUNE 4 1953
BEATTY
MARTELL
AL

ALLEY
LANDIS TO DWIGHT, BETWEEN
VILLA TERRACE & PERSHING AVE
Elevation of Existing 4" C.I. (Top of Pipe)

BM	1.01	325.02	324.01	BR. SE Cor DWIGHT & Pershing
TP	12.45	324.27	13.20 311.82	
0+00 = Nly Proplne DWIGHT.				
0+08.			15.45 308.82	
0+44.			6.30 318.0	
0+96			4.90 319.4	
1+45			3.57 320.7	
1+98.			1.67 322.6	
2+49			1.60 322.7	
TP	6.41	330.62	0.06 324.21	
3+02			7.20 323.4	
3+57			7.0 323.6	
4+10			6.55 324.07	
4+63.			5.45 325.17	
5+07			4.36 326.26	
5+57			3.7 326.9	
TP	8.72	327.32	12.02 318.60	
CK B.M.			3.26 324.06 = 324.01	

10.7 57"=
4.75
15.45

THOMAS ST.
JEWELL TO KENDALL
(2) STK. S & GRDS FOR WATER METERS
S'LY. SIDE OF STREET REVISED FOR
CONTIGIOUS SIDEWALK

BM	7.95	59.79		51.84	BR. NW. COR GRAND & JEWELL	DE of MET. 273 from E ST. REV. from 225 " E ST.
5+03 F.H. (3)	(235 from RAIL)	9.43 ~~9.94~~	50.36 ~~49.85~~	49.38	C10 CO4Z	1703 THOMAS
4+74 S'ly.		9.0	50.8	50.2	CO6	1709-1711
4+26 S'ly.		6.9	52.9	52.7	CO6	1703 Thomas
4+03 S'ly.		5.5	54.3	53.1	CO9	1709-1711 Thomas
3+39 S'ly		3.6	56.2	55.7	CO5	1717 "
2+98 S'ly		3.0	56.8	56.3	CO5	1723 "
2+45 S'ly.		2.69	57.1	56.6	CO5	1731 "
2+04 S'ly		2.8	57.0	56.7	CO3	1739 "
1+06 S'ly		3.46	56.3	56.2	CO1	1745 "
0+38 S'ly		3.7	56.1	55.5	CO6	1761 "
CK BM.		7.94	51.85			4288 Kendall

AKIN ST.
STORK TO 65TH ST
(5) STKS. & GRDS. FOR 6" WATER

JUNE 5, 1953
BEATTY
MARTELL
VARONFAKIS

T3M	2.56	209.59		207.03	CONC MON 64TH & AKIN. (F.B. 818. pg 60)	
0+40	6" CROSS = STORK STREET	1497'	7.35	202.24	196.4	C58 (201.9 − 196.4 = C 5.4 1497 STOR.)
0+50			8.35	201.24	196.6	C46
1+00			7.4	202.2	197.3	C49 — 199.4
1+50			6.7	202.9	198.1	C48 — 198.4
2+00			6.1	203.5	198.8	C47 — 199.6
+12			5.9	203.7	199.0	C47
+50			5.3	204.3	199.2	C51 — 16.5
3+00			5.1	204.5	199.5	C50
+50			5.0	204.6	199.8	C48
4+00			5.0	204.6	200.1	C45
+50			5.0	204.6	200.5 / ~~200.4~~	C41
4+86	TEE = 64TH 30 36 ST.				200.8 / ~~200.5~~	
5+00			4.3	205.3	200.8 / ~~200.6~~	C45
5+16	F.H. TEE		4.3	205.3	200.8 / 200.7	C45
	(5) F.H.		4.20	205.1	204.8	C02 C43
5+50			4.8	204.8	200.8	C40
6+00			4.7	204.9	201.5	C34
(4) 6+50		11.40 217.20	3.79	~~205.80~~	202.2	~~C36~~ C33 replaced

AKIN ST. (Cont'd.)

217.20

7+00		10.6	206.6	203.0
7+50		10.0 ~~10.2~~	207.2 ~~207.0~~	203.7
7+80			207.9	204.1
8+00		9.3	207.9	204.6
8+50		8.5	208.7	204.8
9+00		7.2	210.0	206.0
9+50		6.5	210.7	207.1
9+87		1.1	216.1	210.8 ~~209.5~~
10+00	= END WORK	1.2	216.0	212.0 ~~211.0~~
~~10+05~~	~~END OF WORK~~ TEE			~~211.5~~
~~10+10~~	~~= TEE~~			~~212.0~~
I.P.	8.69	224.86	1:03 216.17	
CK BM.			3.68 221.18	221.27

WATER MET. 5 (6/10/52)

1+38 N'ly		0.0 1+50	202.9	202.6
2+22 N'ly		+0.1 2+12	203.6 ~~203.8~~	203.4
3+15 N'ly		-0.2 3+00	204.3	203.8
7+71 N'ly		+0.8 7+50	207.8	207.2
8+65 N'ly		0.0 8+50	208.7	210.3

C3⁶

~~C33~~ C35 C38.

C35

C39

C40

C36

~~C66~~ C53

~~C56~~ C40

NOTE:
7+50 ℄ pipe moved 1' RT
7+80 ℄ pipe moved 1' RT
8+00 ℄ pipe moved 0.5 RT

To miss 18" Tree 2.5 LT 7+67

℄ LET 65th ℄ AKIN

BP 65 ℄ Imperial SE. Cor.

(BK of MET 17.5 from ℄ St.)

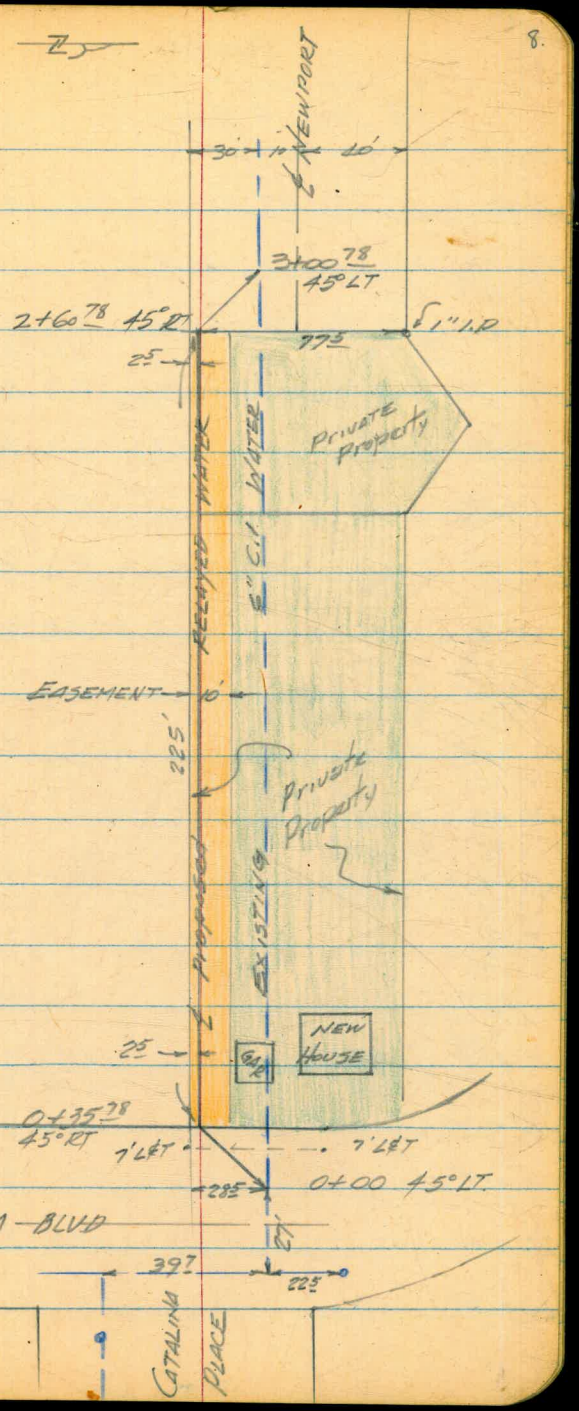
CO3	6356 AKIN
~~CO4~~ CO2	6362
CO5	6370
CO6	6442
F16	6456

NEWPORT TO CATALINA BLVD
6" C.I. STK'D FOR RELAYING
IN EASEMENT. (W.O. # 20705)

3+00	45° LT (To Existing main.)
2+60 78	45° RT
0+35 78	45° RT
0+00	45° LT, (From Existing Main)

JUNE 6, 1953
BEATTY
MARTELL
ALEXANDER

8.



THOMAS ST.
LAMONT TO OLNEY
④ STKS & GRD.S FOR 6" A.C. WATER

June 9, 1953
BEATTY
MARTELL
ALEXANDER

BM	1.51	43.27	41.76		CHIS. □ NE. Cor LAMONT & THOMAS
0+00 = E¼ prop. line LAMONT				36.6	
0+00 & GV.					
0+05 F.H. TEE (Begin Work)		3.15	40.12	36.3	C 38
⑤ F.H.		2.80	40.47	40.0	C 05 C 12
0+50		6.9	36.4	~~33.7~~ 33.2	~~C 27~~ C 32
1+00		8.9	34.4	30.9	C 35
+50		9.37	33.9	30.9	C 30
2+00		9.54	33.7	30.9	C 28
+50		8.8	34.5	30.9	C 36
3+00		6.4	36.9	30.6	C 63
+50		5.8	37.5	30.3	C 74
4+00		6.1	37.2	30.0	C 72
+50		6.7	36.6	29.6	C 70
5+00		7.4	35.9	29.3	C 66
+50		9.5	33.8	29.0	C 48
5+80 F.H. TEE		12.37	30.9	27.3	C 36
⑤ F.H.		10.07	33.20	30.3	C 29 C 59
⑪ 6+00	192	13.07	30.20	26.2	C 40
+50		5.1	27.0	23.4	C 36
7+00		7.1	25.0	21.9	C 31
+50		7.8	24.3	20.5	C 38

T. get soffiacent cover

BM	0.17	N. 41.93	41.76
2+05		10.65	31.28
2+33		10.75	31.18
2+81		10.87	31.06
3+05		T. Pipe 11.08	30.85
		Collar 10.98	30.95
3+33		11.63	30.30
3+50		11.55	30.38
4+00		12.14	29.79
4+50		12.17	29.76
5+00		12.57	29.36
5+63		13.55	28.38
CK ⑪ ⑤ F.H. 5+90		8.72	33.21 ~~33.20~~

THOMAS ST. (Cont'd)

		32.12				
8+00			8.2	23.9	20.5	C34
+50			8.5	23.6	20.5	C31
9+00			8.9	23.2	20.5	C27
+50			8.8	23.3	20.5	C28
10+00			7.8	24.3	20.5	C38
+50			5.9	26.2	21.4	C48
11+00			3.2	28.9	22.3	C66
+30	10"×6" Cross	Existing	1.82	30.3	22.8	C75
11+62	2.27	34.17	0.22	31.90	23.5	C84
~~+60~~ 70	F.H. Tee		1.65	32.52	23.6	C89
(5)	F.H.		1.7	32.47	27.45	C50 C89
12+00			0.85	33.3	24.1	C92
+50			1.3	32.9	25.0	C79
+87			1.85	32.3	25.7	C67
13+00			2.1	32.0	25.4	C66
+50			3.9	30.3	24.1	C62
14+00			7.25	26.9	22.8	C41
+50			9.06	25.1	21.6	C35
15+00			9.87	24.3	20.3	C42
+50			11.17	23.0	19.0	C40

THOMAS ST. (Cont'd.)

		34.17		
16+00		11.4	22.8	17.7
16+50		12.3	21.9	16.4
(1)	4.41	26.22	12.36	21.81
17+00		7.24	19.0	15.1
17+~~20~~ +50 FH TEE		9.9	16.3	14.2
(5) FH		10.3	15.9	17.5
SET TBM		6.90	19.32	
(1)	8.43	34.50	0.15	26.07
(1)	9.97	43.22	1.25	33.25
CK BM		1.43	41.79	-41.76

WATER METERS

1+03 S/y		9.0	34.2	35.8
1+45 N/y		8.76	34.46	35.1
1+73 S/y		9.3	33.9	33.9
2+08 S/y		9.3	33.9	33.4
2+10 N/y		9.1	34.1	33.9
2+35 S/y		9.3	33.9	33.2
~~2+78~~ 2+81 N/y		7.1	36.1	33.5
3+19 S/y		5.3	37.9	32.6
~~3+31~~ 3+39 N/y		5.3	37.9	33.1
3+42 S/y		5.2	38.0	32.5
(1)		5.24	37.98	

C5 1

C5 5

C3 9

C2 1

F1 6 C1 7

⊕ PK Nail & Olney Thomas

CHIS ⊡ NE Cor LAMONT & THOMAS
10439-L — 10444-L
(BK of MET 225 from ℄ St)

Address

F1 6 1919 Thomas

F0 6 1926 "

C0 0 1923 "

C0 5 1935 "

C0 2 1936 "

C0 7 1941 "

C2 6 1940, 1942 "

C5 3 1949 "

C4 8 1952 "

C5 5 1955 "

Cor of Met

1/7/54
WAT. METS.
Restaked
During St. Improv.

OM 41.76
0.12
W. 41.88

7.5 34.4 C0 9

8.0 33.9 C0 7

Thomas St. (Cont'd.) WATER METERS

P	7.01	40.21		33.20	
3+74 Sly			2.5	37.7	32.3
5+02 Sly	(35'So & St.)		3.8	36.4	31.5
~~3+68 Nly~~	3+66.	✓	2.0	38.2	32.9
~~4+08~~ Nly	4+55	✓	2.8	37.4	32.6
5+98 Sly (1)	0.79	31.22	9.78	30.43	30.0
6+55 Nly			5.1	26.1	28.5
6+55 Sly			4.2	27.0	28.0
7+13 Nly	✓		5.9	25.3	26.5
7+27 Sly			6.1	25.1	25.6
7+45 Nly	✓		5.9	25.3	25.7
7+70 Sly			6.9	24.3	24.7
8+05 Nly	✓		6.5	24.7	24.7
8+35 Nly	✓		6.9	24.3	24.4
9+63 Nly			7.8	23.4	23.5
9+85 Sly			7.1	24.1	23.4
10+20 Nly (1)	10.35	34.98	6.59	24.63	24.5
10+25 Sly			9.8	25.2	24.3
11+60 Nly	35' Nly & St.		1.9	33.1	27.5
11+80 Nly			2.5	32.5	28.4
12+02 Sly (1)	2.62	36.44	1.16	33.82	28.8
12+14 Sly			3.1	33.3	29.0
12+25 Nly			3.65	32.8	30.0
12+74 Nly			4.4	32.0	30.6
13+08 Sly			4.3	32.1	29.9
13+34 Sly			4.85	31.6	29.4
13+85 Sly			7.95	28.5	28.0
14+22 Sly			10.44	26.0	27.1
14+48 Sly			11.22	25.22	26.4
14+82 Sly			11.67	24.8	25.5
15+08 Sly	4.45	28.56	12.33	24.11	24.8
15+37 Nly			2.9	25.7	24.7
15+86 Sly			6.3	22.3	22.7
16+40 Nly			4.4	24.2	21.9
16+50 Sly			7.6	21.6	21.1
BM ck			9.22	19.34 =	19.32

(5) FH 5490

C54 ?	1961 Thomas	Restored 1/1/54
CD9	4276 Morrell	
C53	1960 Thomas	6.5 33.4 C65
CD8 ?	1976 "	
CO4	2005 "	323 9.22 32.46 CO4 TD 3.00 35.46=14
F24	2012 "	
F10	2011 "	
F12	2018, 2024 "	9.6 26.1 F04
F05	2025 "	
F04	2028 "	10.0 25.7 CO2
F04	2031 "	
CO2	2038 "	10.6 25.1 C64
FO1	2046 "	11.1 24.7 403
F01	2064 "	
CO7	2065, 2067 "	
CO1	2070 "	
CO9	2069-71 "	
C56 ?	? Noyes	
CD1	4303 4307, 4309, Thomas	
C52 ?	2105	
CD3	2115 "	
C28	2112 "	
C14	2120 "	
C22	2121 "	
C22	2129	
CO5	2135 "	
F11	2141 "	
F12	2145 "	
F07	2149 "	
F07	2157 "	
C12	2162 "	
F04	2167 "	
C23 CO5	2176 " "	
PK Nail & Olney	2177 "	

WUNDERLIN AVE
63rd ST to 69TH ST.
STKS. & GRDS. FOR 8" C.I. WATER

JUNE 12, 1953
BEATTY
MARTELL
ALEXANDER

BM.		10.83	315.04		304.21	Spike in Pow Pole 200' So. 63rd & Wunderlin. (FB 833, pg. 11)
0+60	(8"x6" RED.) Ely. prop. line 63rd					
0+70	Begin Work.		13.35	301.7	296.0	C57
1+00			7.23	307.8	300.2	C76
1+50			1.24	313.8	307.1	C67
1+75	P	6.20	321.31	6.23	312.71	
				5.1	316.2 —	310.6 C56
2+00				3.1	318.2 - 313.2	~~314.0~~ C50
2+25				1.8	319.5	312.8 C47
2+50				1.45	319.86	~~315.2~~ ~~315.8~~ C47
2+75				1.75	319.56	314.9 C47
3+00				2.67	318.64	314.1 C45
3+50				5.3	316.0	311.2 C48
4+00				7.5	313.8	308.2 C56
4+50				8.5	312.8	305.7 C75
5+00				9.7	311.6	302.3 C93
	P	0.24	308.30	13.25	308.06	
5+50				1.1	307.2	298.5 ~~299.4~~ C87
6+00				8.4	299.9	292.5 C74
6+25				11.85	296.45	289.0 C75
	P	0.09	295.28	13.11	295.19	
6+50				1.86	293.4	287.0 C64
6+65	F.H. TEE.			3.56	291.72	286.1 C56
7+00				7.39	287.9	284.0 C39
	P	0.50	282.79	12.99	282.29	
7+50				1.56	281.2	278.3 C29
	+75			S.4	277.4	
8+00				6.37	276.42	272.6 C38

GRD 291.7
-1.1 Elev 291.0 FO 7 (5)
C49

WUNDERLIN (Cont'd.)

		282.79				
8+50			2.9	274.9	268.5	C64
⏢	0.43	270.19	13.03	269.76		
9+00			1.8	268.1	263.0 264.1	C54
+50	0.38	258.07	12.50	257.69	253.1	C43
10+00	(22½° Bend)		10.9	247.2	242.4	C48
		Top. Sew M.H.	9.60	248.07		
+50			1.1	257.0	253.4	C36
⏢	12.54	270.28	0.33	257.74		
11+00			2.2	268.1	264.4	C37
⏢	13.12	283.09	0.33	269.95		
+50 ⏢			2.5	280.6	271.4	C92
+75 ⏢	10.83	293.38	0.54	282.55	274.9	C99
			8.6	284.8		
12+00			7.0	286.4	278.3 278.0	C84
+25			6.2	287.0	281.8 280.3	C67
+50			5.8	287.6	281.8 282.3	C58
+75			5.2	288.2	282.7	C55
13+00			4.8	288.6	283.2	C54
+50			4.3	289.1	283.5	C56
13+80	(w/y propline 65⁷⁴)		4.71	288.67	283.7	C50
			6.69	286.69 =	286.65	Rim Sew M.H.

Wunderlin (Cont'd.)

BK of MST 225 RT & LT ℄ St (17E 50 & 27S Nor S'ofset line)

2+42 N/y	+0.9	2+50	320.8	319.8	C1°	6320 Wunderlin
3+15 N/y	+1.5	3+00	320.1	317.4	C2°	6336 "
3+68 S/y	-2.3	3+50	313.7	314.5	F08	6341, 6339 "
4+18 N/y	+1.2	4+00	315.0	312.5	C25	6344 "
6+37 S/y	-2.2	6+25	294.25	294.3	F01	6365 Wunderlin
11+58 N/y	+1.2	11+50	282.0	278.4	C36	6436 "
6+08 N/y	+2.4	6+25	298.85	292.7	C12	6364 "

(Cont'd on pg 22)

JUNE 16, 1953
BEATTY
MARTELL
ALEXANDER

"T" ST.
37th to 38th
(5) STKS & GRDS FOR 6" WATER

B.M.	11.75	82.89	71.14	
0+00 = Illy Prop line				
0+45 BEGIN WORK		11.7	71.2	67.3
0+63 70 F.H. TEE		11.05	71.86	68.7
		Curb 11.15	71.74	
(5) F.H.		11.05	71.84	71.7
1+00		9.3	73.6	70.4
1+50		5.8	77.1	73.3
2+00		2.7	80.2	76.6
2+50 11	9.57	92.02	0.44 82.45	79.1
2+62		9.1	82.9	79.8
3+00		8.1	83.9	80.6
3+50		6.9	85.1	81.6
4+00		5.8	86.2	82.7
4+50		4.5	87.5.	83.7
5+00		3.5	88.5	84.8
5+50		2.5	89.5	85.8
6+00		1.5	90.5	86.9
6+50		0.7	91.3	87.9
6+55 End Work		0.5	91.5	88.0
6+60± G.V.				
CK. ✓		0.11	91.91	
			= 91.87	

B.P. NW Cor 37th & T. ST.

C39
C3!
C0! to flange C3! to ell.
C32
C38
C4?
C34
C3!
C37
C35
C35
C38
C37
C37
C36
C34
C35

Edge Conc Pav't. 6+00
(FB 851 pg 9.)

ALLEY BLK 195

NOR of UNIVERSITY
EAST of BOUNDARY
(2) STK. S & GRDS. FOR WATER METS.

BM	1.20	334.64		333.44	
0+00	N'ly Prop. Line UNIV. AVE				
1+36 E	6.35	339.05	1.94	332.70	332.8
1+73 W			3.2	335.9	332.9
1+87 E			5.2	333.9	334.0
2+25 E			5.1	334.0	333.8
2+34 W			4.2	334.9	333.8
2+71 W			5.0	334.1	333.6
3+05 E			5.2	333.9	333.3
3+21 W.			5.5	333.6	333.1
3+28 W.			5.5	333.6	333.0
II	3.43	337.95	4.53	334.52	
3+62 E			5.0	333.0	332.1
3+70 W			5.7	332.3	331.7
3+98 E			7.8	330.2	330.6
4+24 E			8.8	329.2	330.0
4+46 W			7.8	330.2	330.1
4+81 W			6.5	331.5	331.2
4+92 E			6.8	331.2	331.7
5+02 W			5.4	332.6	332.8
5+27 E	(No Exist. Met But Shown on Plan)		4.1	333.9	333.8
q-E ✓ q-W	2.01	334.70	5.26	332.69	
			1.26	333.44 =	333.44

7/3/53
6/53
BRATT/SHOREY
MARTEL
ALEXANDER

17.

As per 9908:L

BP. NW COR UNIV. & B'dry

FO L
C2 0
FO 1
C0 2
C1 1
C0 5
C0 6
C0 5
C0 6
C0 9
C0 6
FO 4
FO 8
C0 1
C0 3
FO E
C0 4
C0 L

69TH ST
JAMACHA TO MADRONE
(5) STKS & GRDS FOR 6" WATER

JUNE 16, 1953
BEATTY
MARTELL
ALEXANDER

BM		0.15	253.30 / 253.73		253.15 / 253.58 ← THIS IS INCORRECT (BEATTY 6/18/53)	FB. 811 pg. 33 → LISTED AS 253.44 - CITY Engr. MADE Elev. 253.15 - BEATTY pg. 20	
0+00 =	12" x 6" Cross	Top. Cross			241.8 / 240.9 } see pg. 20.		
		Bott 6"					
0+05.5	11¼° Bend. 22½° Bend.		6.24	247.1 / 247.5	240.9 / 243.0	~~C45~~ C62	
0+57.45	45° Ell. (Δ = 35° Lt.)		6.6	246.7 / 247.1	242.6	~~C45~~ C42	
1+00			7.1	246.2 / 246.6	242.3	~~C43~~ C39	
1+50		9.67	255.52 / 255.95	245.85 / 246.28	242.0	~~C43~~ C39	
2+00			8.54	247.0 / 247.41	240.1	~~C72~~ C69	
2+02.5			8.55	247.0 / 247.40	240.0	~~C74~~ C70	
2+27.5			8.23	247.3 / 247.72	240.0	~~C77~~ C73	
2+50			8.54	247.0 / 247.41	241.0 / 241.5	~~C64~~ C60	
3+00			7.5	248.0 / 248.5	244.5 / 245.2	~~C33~~ C35	
3+50			1.73	253.8 / 254.2	250.0 / 252.2	~~C38~~ C38 (Due to diff in elev of Ground line)	
PI		12.44	267.90 / 268.33	0.06	255.89 - 255.46	257.4 / 259.0	
4+00				6.5	~~261.8~~ 261.4	~~C40~~ C40	
PI		13.29	281.07 / 281.50	0.12	~~268.21~~ 267.78		
4+50				11.9	~~269.6~~ 269.2	265.2 / 266.1	~~C40~~ C40
5+00				5.1	276.0 / 276.4	273.0	~~C34~~ C30
PI		9.62	290.44 / 290.87	0.25	~~281.25~~ 280.82		
5+50				8.95	~~281.9~~ 281.5	276.7	~~C52~~ C48
5+75				7.5	~~283.0~~ 282.9	278.0 / 278.6	~~C54~~ C49
6+00				6.7	~~284.2~~ 283.7	278.6	~~C56~~ C51
6+25				6.5	~~284.2~~ 283.9	278.0 / 278.6	~~C64~~ C59

6.8
282.1

7+00 13.4 - 277.5
7+10 13.6 - 277.4

69TH St (Cont'd)

B	6+28 ~~6+00~~	F.H. TEE		6.5	~~290.87~~ 290.44 283.9 284.4	277.8	C6 L
C	6+88			11.2	279.2 ~~279.3~~	274.3 ~~274.0~~	C4 9
D	7+08.33			12.8	277.6 278.1	274.0	C3 6
C	7+13.33	6" Cross. 90° Lt.					
	7+18.33		IDENTICAL POINT	12.8	277.6 278.1	274.2	C3 4
	CK TBM			12.16	~~278.28~~ 278.71 = 278.24	~~274.5~~	— (F.B. 811 pg. 20.)
L	7+25			11.6	279.3 278.8	~~274.0~~	C4 3
	~~7+50~~					~~276.9~~	
E	7+72.33	45° E.11 Δ = 41°12' Rt		2.8	287.6 288.1	280.3	C7 3 OR
E	7+95.32	= (E.C. Road 25' Lt 3/4" I.P.)					
E	8+00			1.6	288.8 289.3	283.0 ~~284.0~~	C5 8 OR
P		12.96	~~303.83~~ 303.00	0.00	~~290.87~~ 290.44		
E	8+47.21	= B.C. Road 25' Lt 3/4" I.P.		13.0	~~290.8~~ 290.4	286.1	C4 3 OR
	8+75			11.8	~~292.0~~ 291.6	287.4 ~~288.1~~	C3 5 C4 2
		Δ = 42°25' Lt.				288.5	
	9+00	R = 125'		10.0	293.8 293.4	~~290.1~~	C3 3 C4 9
		L = 92.54				291.7	
	9+25			8.1	~~295.7~~ 295.3	~~292.1~~	C3 2 C3 6
	9+39.75	= E.C. Road 25' Lt 3/4" I.P.		6.9	~~296.9~~ 296.5	292.0 ~~293.6~~	C2 9 C4 E
	9+50			5.6	298.2 297.8	293.0 ~~294.0~~	~~C2~~ C4 8
P		12.90	~~316.68~~ 316.25	0.05	303.78 303.35	301.0	
	10+00		(5) Nov. (8) So	11.2	~~305.5~~ 305.1	301.8	C3 3 C4 L C4 3 C3 0
				10.3	~~306.4~~ 306.0		
	10+12			8.3	~~308.4~~ 308.0	303.1 ~~303.6~~	C4 4 C4 9
P		12.85	~~329.38~~ 328.95	0.15	~~316.53~~ 316.10	309.7	
	10+50			9.3	~~320.1~~ 319.7	~~310.7~~	C9 C10

(5) F.H. 283.6 G2D 287.6 Elev. C4 E C9 8

GRADE CHANGE
DUE TO INCORRECT
EST. GRD. ON PLAN
6/18/53

69TH ST. (Cont'd.)

		~~329.38~~ 328.95		324.2 ~~324.6~~	318.5 ~~320.0~~
11+00			4.8		C42 C57
TP	12.24	~~340.29~~ 339.86	1.33	328.05	327.62
11+50			5.2	~~335.1~~ 334.7	~~279.3~~ 277.2
					C54 C75
TP	6.07	~~345.61~~ 345.18	0.75	~~339.54~~ 339.11	
11+80 F.H. TEE	END WORK		2.8	~~342.8~~ 342.3	~~334.8~~ 332.5
					C92 C98
11+90.57 (End Street)					9+39.75
(5) F.H.			2.15	~~343.0~~ ~~343.5~~	336.6		2+50.82
					C64 to ft C105 to E11.	11+90.57
				342.04	
TBM (set)			3.14	~~342.47~~	Cor. of Brick Curb 35' RT 11+75±
TP	0.35	333.19 ~~333.62~~	12.34	332.84 ~~333.27~~	
TP	0.06	319.89 ~~320.32~~	13.36	319.83 ~~320.26~~	
TP	0.16	307.19 ~~307.62~~	12.86	307.03 ~~307.46~~	
TP	0.00	294.64 ~~295.07~~	12.55	294.64 ~~295.07~~	
TP	1.56	289.21 ~~289.64~~	6.99	287.65 ~~288.08~~	
				278.29	
CK TBM			10.92	~~278.72~~ = 278.24	Conc Mon 69TH & MADRONE
TP	0.96	276.84 ~~277.27~~	13.33	~~265.88~~ ~~276.31~~	
TP	0.47	264.12 ~~264.55~~	13.19	263.65 ~~264.08~~	
TP	1.44	252.17 ~~252.60~~	13.39	250.73 ~~251.16~~	
				241.82	
Top Cross	0400		10.35	~~242.25~~	℄ 241.2
					240.9 bottom 6"
TP	5.72	253.32 ~~253.75~~	4.57	247.60 ~~248.03~~	
		255.02		253.17 = 253.15	
CK BM	1.85	~~255.45~~	0.15	253.60 = ~~253.58~~	2412 SW Cor Con. 69TH & Imperial
TP	0.80	248.35 ~~248.76~~	7.49	247.53 ~~247.96~~	
TP	0.00	235.07 ~~235.50~~	13.26	235.07 ~~235.50~~	
CK BM			4.54	~~230.96~~ = 230.49	L&T 7 off Woodman & Imperial
				230.53 (diff. 0.45	(reflects same diffs TBM Conc Mon 69TH & Madrone 89.19)

69TH ST (Cont'd.)

WATER METERS

3+18 W	-2.7	3+00	245.7	251.7	F6	5th ?
3+26 E	-1.0	3+00	247.0	252.6	F5	441 So 69TH
4+38 E	-1.4	4+50	267.8	268.0	F0	No Address.
4+43 W	-1.0	4+50	268.2	268.3	F0	430 "
5+75 E	+6.8	5+75	289.7	282.5	C7	421 "
5+77 W	+0.3	5+75	282.6	282.0	C0	424 "
9+39 So	-1.7	9+39	294.8	295.6	F0	6927 MADRONE
10+05 Nor.	+0.4	10+00	305.5	305.5	C0	6908 "
10+67 Nor.	-4.0	10+50	315.7	315.7	C0	6934 "
10+67 So	-2.6	11+00	321.6	316.4	C5	5th ?
10+72 So	-2.4	11+00	321.8	317.3	C4	5th ?
11+38 So	-0.2	11+50	334.5	328.9	C5	6937 MADRONE

JUNE 22, 1953
BEATTY
MARTELL
ALEXANDER

WUNDERLIN AVE

(Cont'd from pg. 15 This Book)

⑤ GRDS & STKS for 6" WATER

IP	3.31	290.00		286.69 = 286.65	Rim Sewer MH @ 65TH ST
14+20	(Ely Prog line 65TH) Begin Work		3.5	286.5	282.7 C38
+50			3.5	286.5	282.6 C39
15+00			3.9	286.1	281.9 C42
+50			5.3	284.7	281.1 C36
16+00			6.4	283.6	280.4 C32
+50			6.8	283.2	279.8 C34
17+00			6.9	283.1	279.6 C35
+50			6.9	283.1	279.4 C37
18+00			6.6	283.4	279.2 C43
+50			7.0	283.0	279.0 C40
II	8.23	293.43	4.80	285.20 = 285.02	City Engr TBM
19+00			11.23	282.2	278.8 C34
~~+43~~ +45	FH TEE		10.90	282.53	278.6 C39
	⑤ FH		12.88	280.55	282.4 F185 C20
+50			10.6	282.8	278.6 C42
20+00			7.9	285.5	278.4 C71
+50			4.55	288.9	277.8 C111
21+00			5.2	288.2	277.1 C111
IP	+25	1.18	287.95	6.66	286.77 ~~276.8~~ 276.7 ~~C106~~ C106

(Continued to page 24 This Book)

6/22/53

						BK of MET. 22.5 RT & LT & ST.
17+57 S/y	N: 290.00	7.10	283.0	283.5	FO5	6525 Wunderlin
19+07 N/y	N: 293.43	9.7	283.7	283.2	C05	6560 "
19+46 N/y		8.4	285.0	283.0	C2°	
20+76 N/y		1.28	291.15	282.2	C9°	6608 Wunderlin
22+77 S/y	-4.9 22+50		264.9	267.0	F2L	
21+63 N/y	287.95(N:)	2.35	285.60	279.4	C6L	6620 "
27+60 S.	-1.8 27+75		320.8	319.2	C1L	Vacant
28+11 S	+1.2 28+00		330.5	325.0	C4S	Vacant
28+46 S	+0.5 28+50		333.2	329.1	C4L	6729 "
29+26 S	-0.5 29+50		341.8	338.5	C3L	6753
30+16 S	-0.3 30+25		348.0	346.6	C2L	6755 "
30+27 N	-1.5 30+25		346.8	345.6	C1L	6756 "
31+02 S	-0.3 31+00		347.1	346.2	C09	6759 "
32+58 N	+3.6 32+50		339.0	335.4	C3L	6760 "
32+95 N	+4.2 33+00		336.0	332.8	C3L	6770 "
33+02 S	-0.5 33+00		331.3	331.8	FO3	6767 "
33+41 N	+5.0 33+50		333.6	330.2	C3L	6776 "
32+29 N	+5.8 32+46		331.9	327.9	C4°	6784 "
34+73 S	00 34+81		326.3	326.5	FO2	VACANT "
36+01 S	-0.4 36+00		324.3	324.1	C02	6841 "
36+25 N	+7.5 36+50		330.4	323.5	C69	6818
36+76 N	+4.5 36+50		327.4	323.3	C61	6828 "
36+97 N	-0.7 37+00		319.7	319.8	FO1	6829 "
38+87 N	+6.5 39+00		309.0	304.6	C4L	VACANT "
39+98 N	+3.2 40+00		298.8	296.6	C42	6880 "
40+71?						

7/6/53

WUNDERLIN (Cont'd.) (From pg. 22)

7/1/53
BERRY
SHOREY
MARTELL
ALEXANDER

		287.95					
21+50			3.7	284.3	275.2	C9'	
					271.4		
22+00			9.9	278.1	270.0	C6' C67	
(11)	0.68	275.30	13.33	274.62	265.2		
+50			5.5	269.8	265.8	C4° C16	
(4)	0.64	262.64	13.30	262.00			
23+00			1.0	261.6	256.4	C52	
+25			7.6	255.0	251.7	C33	
+50			12.6	250.0	247.9	C99 C21	
H. +75	2.87	252.30	13.21	249.43	247.9		
24+00			3.6	248.7	{248.8		
			4.9	247.4	247.1	C42 C96	
CK BM.			3.36	248.92 = 248.82		NAIL IN PO. POLE SW COR MADERA & WUNDERLIN	
+25			5.7	246.6	247.4	C98	24+25 ℄ PIPE 9°30 So ℄ ST
24+50			5.1	247.2	247.1	C38	24+50 ℄ PIPE 8°00 So ℄ ST.
					246.1	C31	
24+69							24+69 ℄ PIPE 8°00 So ℄ ST.
24+77	End Work.		4.7	247.6	244.5	C95 C9' 32	Elev Top 6"x4" Cross 246.65
			4.4	247.9		C02 C74 8	
	F.H. Tee (5) F.H.		3.1	249.2	249.2		
25+00	Begin Work.		3.1	249.2	{245.2	C40 C42	ORIG. GRD X-SECT.
					245.0		246.65
(11)	+15 — 11½° Bend	12.18	264.11	0.37	251.93	25+15 ~ — GRD 25.6	246.65
	+25		(10) 10.0	254.1	{250.0	C43 C49	LT. ℄ PIPE RT SEC (5) (10)
					247.2		℄ PIPE 11°S.E ST
(4)		12.23	275.63	0.71	263.40		℄ PIPE 11°S.E ST
					266.5		
(11)	+75	12.56	288.05	(5) 0.14	275.49	C78 C92	270.5 275.0 275.0
				(10) 12.1	276.0	C83 C95	5.1 0.6 ∅
(4)		12.49	300.38	0.16	287.89		1. 1. C
26+25				(5) 9.9	290.5	280.9	
				(10) 9.1	291.3	C51 C96	284.9 289.3 289.5
(4)		13.03	311.66	1.75	298.63	C99 C104	15.5 11.1 10.9
	+75			(5) 9.9	301.8	293.2	2.5 2.5 C
				(10) 9.2	302.5	296.6	
(4)				0.17	311.49	C52 C86	297.9 300.7 301.1
27+25		13.00	324.49	(5) 12.4	312.1	305.6	13.7 10.9 10.5 +85 N.H.
				(10) 11.5	313.0	307.8	2.6 2.6 C
						C43 C65	311.66 ℄
						C52 C74	11.58
							300.08 Top
							PIPE
(4)	+75			(5) 4.9	322.6	317.0	309.6 311.0 311.4
		12.52	335.86	(10) 1.15	323.34	C56	18.9 13.5 12.1
						C64	3 3. C
28+00						319.0	319.2 322.9 322.2
				(5) 6.6	329.3	319.9	5.1 2.5 2.3
				(10) 6.2	329.7	C94 C103	2.5 2.5 ∅
						C98 C107	323.6 328.2 328.6
	+50			3.2	332.7	325.8	12.3 7.7 7.3
(4)		13.00	348.78	0.08	335.78	C69	3. 3. C
29+00				11.7	337.1	331.7	C54
						337.0	
	+50			6.5	342.3	337.6	C47 C53

WUNDERLIN AVE (CONT'D)

			348.78			
29+68	F.H. TEE		4.7	344.1	338.8	C53
(5) F.H.				345.6	343.8	C28 C68 Flange 15CA. ELL
30+00			2.1	346.7	340.7	C60
P 30+25	1.05	349.31	0.52	348.26	342.2	C61
30+75			0.9	348.4	342.6	C58
31+00			1.9	347.4	342.2	C52
+50			6.2	343.1	338.4	C47
32+00			10.9	338.4	332.6	C38
TP	0.86	337.08	13.09	336.22		
+50			1.7	335.4	330.8	C46
33+00			5.3	331.8	327.0	C48
+50			8.5	328.6	325.2	C34
34+00			10.0	327.1	323.4	C37
CK TBM						
+46						
~~+44~~	8x6 TEE		11.0	326.1	323.2	C29
+81						
~~+70~~	F.H. TEE		10.8	326.3	323.1	C32
(5) F.H.				325.8	326.71	F09 C27
35+00			10.6	326.5	323.0	C35
+50			11.1	326.0	321.5	C45
36+00			12.4	324.7	320.0	C47
P +25	0.35	324.15	13.28	323.80	319.2	C46
+50			1.3	322.9	317.7	C52 ✓
37+00			3.8	320.4	314.8	C56 ✓
+50			7.1	317.1	311.8	C53 ✓

WUNDERLIN AVE (CONT'D.)

		324.15			
37+80			9.6	314.6	310.0
38+00			11.6	312.6	308.1
IP	0.02	310.82	13.33	310.82	
+50			3.6	307.2	303.4
39+00			8.3	302.5	298.6
IP	0.37	298.90	12.31	298.53	293.8
40+00			3.5	295.4	289.9 ~~290.5~~
+50			7.5	291.4	286.0 ~~287.1~~
+75			9.1	289.8	285.0
40+90 = END WORK			10.0	288.9	285.8
40+91.7 = 5' E'ly & 69TH					
CK IP	0.23	290.28	8.85	290.05	= 289.84
IP	1.80	279.23	12.85	277.43	
IP	0.52	268.13	11.62	267.61	
IP	3.81	258.65	13.29	254.84	
CK TP.			4.85	253.80	= 253.70
CK B.M.			5.45	253.20	= 253.15

C46

C45

C38

C39

C47

C49 C55

C43 C54

C48

C31

3/4" I.P. SW Cor 69TH FB 833 pg. 16

Corpost barricade NW Cor 68TH Brooklyn

Rim of SEW MH 69th & Aiken

2" I.P. Curb 69th & Imperial

JUNE 23, 1953
BEATTY
MARTELL
ALEXANDER

FIGUEROA BLVD
BOND ST. WESTERLY & BOND ST. TO GRAND AVE
④ STK.S & GRD.S FOR 8" WATER

CE. 2166-19

TBM.	5.32	11.81	06.49 =	06.42	Conc. Mon NW. Cor. BOND & Figueroa
0+35 (E/y)	BEGIN WORK.	5.7	06.3	02.3 ~~01.6~~	
0+00	= W/y Prop line Bond St.	6.2	05.6	~~03.3~~ 02.6	~~C40~~ C33
+50 (W/y)		5.7	06.1	02.3 ~~02.0~~	~~C41~~ C38
1+00 (W/y)		5.5	06.3	02.3 02.15	~~C42~~
+50 (W/y)		5.3	06.5	02.3	C42
2+00 (W/y)		5.3	06.5	02.45	C41
+50 (W/y)		5.1	06.7	02.6	C41
3+~~00~~ +15	F.H. TEE	5.0	06.8	02.7	C41
	⑤ F.H		06.90	07.2	FO3 E, C42 ELL
+50 (W/y)		5.0	06.8	02.85	C40
4+00 (W/y)		4.9	06.9	03.0	C39
+50 (W/y)		4.8	07.0	03.15	C39
5+00 (W/y)		4.5	07.3	03.30	C40
+50 (W/y)		4.1	07.7	03.45	C43
6+00 (W/y)	End Work	3.9	07.9	03.6	C43

FIGUEROA BLVD. (Cont'd.)

TBM.	6.62	13.11	06.49		
0+00 = Wly Prop. Line Bond St.					
0+45 (Ely) = BEGIN WORK		7.3	05.8	02.3 01.2	C35
0+50 (Ely)		7.5	05.6	02.3 01.3	C33
1+00		7.1	06.0	02.3 01.8	C37
1+47 (B.C.)		6.6	06.5	02.3	C42
1+75		6.4	06.7	02.5	C42
2+00		6.1	07.0	02.7	C43
+25		5.7	07.4	03.0	C44
+50		5.5	07.6	03.2	C44
+75		5.3	07.8	03.4	C44
3+00		5.0	08.1	03.7	C44
+25		4.9	08.2	03.9	C43
+50		4.9	08.2	04.1	C41
+75		4.8	08.3	04.4	C39
4+00		4.8	08.3	04.6	C37
+25		4.6	08.7	04.9	C38
+50		4.1	09.0	05.1	C39
+71.39 EC.		3.8	09.3	05.3	C40
PI	3.10	13.81	2.40 8.82	10.71 = 10.62 {C.E. 2.16 Hy. 14} 04.97 = 05.11	

Conc Mon NEly Cor Magnolia & Figueroa
Conc Mon Sely " Hornblend & "

6.8
6.3

CHK. LEVELS

BM 06.49
676
13.25
2.58
BM 10.67

FIGUEROA BLVD (Cont'd.)

TBM	2.73	13.40		10.67		
5+00			3.6	09.8	05.6	C4 2
+26		Cross	3.3	10.1	05.6	C4 5
+50			3.3	10.1	05.6	C4 5
+73		F.H. Tee	3.5	09.9	05.6	C4 3
	(5)	F.H.	3.10	10.30	09.2	C1 to F C4 7
+75			3.5	09.9	05.6	C4 3
6+00			3.8	09.6	05.2	C4 2
6+39.75	B.C.	12"	W (4)	4.6	08.8	C4 2 W
			E (4)	4.1	09.3	04.6 C4 7 E
	R=2303.7					
+50	L=	12"	4.2	09.2	04.5	C4 7
7+00		18"	5.00	08.4	03.8	C4 6
+50		24"	5.9	07.5	03.1	C4 4
8+00		24"	6.5	06.9	02.3	C4 6
+50		24"	7.25	06.15	01.6	C4 6
+82	F.H. Tee		7.54	05.9	01.1	C4 8 (5) F.H. — 06.1 EL 06.0 C0 1 C5 0
9+00			8.0	05.4	0.90	C4 5
CK TBM			8.28	05.12	= 05.11	
+50		24"	8.2	05.20	+0.30	C4 9 Conc Mon Hornblend & Figueroa
	3.27	07.52	9.15	04.25		
10+00			3.3	04.2	-0.30	C4 5
+50		24"	3.7	03.8	-0.90	C4 7
11+00			4.6	02.9	-01.50	C4 4

FIGUEROA BLVD (Cont'd)

07.52

11+50		634	4.6	02.9	-02.10
12+00			4.6	02.9	-02.70
+50		734	5.0	02.5	-3.20
13+00		780	5.4	01.9	-03.2
13+15 FH TER		749	5.5	020	-03.3
(5) FH.			5.68	01.84	+.043
13+25	45° BEND Δ = 17°30' Rt.		5.6	01.9	-03.2
13+50			5.9	01.6	-02.6
13+56	Elev. Top 10" H.P. Gas		4.61 5.92 10.53	-03.0	
13+65			5.2	02.2	-01.8 -02.2
13+86.70	END WORK		2.0	05.5	-0.50
13+96.70	Elev. Top 12" Cross		0.78 5.92 6.70	00.82 -0.10	Bot. 8"
SET TBM			6.01	01.51	
			2.39	05.13 = 05.12	

6/29/53 WATER METERS (Bond St Wly)

5.99 12.28 06.49

0+90 Sly			5.8	06.7	069
1+33 Sly			5.8	06.7	06.9
1+66 Sly			5.6	069	07.0
1+95 ~~1+66~~ Nly	Relocated 7/8/53		~~5.7~~	07.1 ~~06.8~~	07.4 ~~07.3~~

C5°

C4.6

C5.7

C5.1

C5.2

FE5 C5°

C5.1

C4.2 } .016 = 1.6%

} .053 = 5.3%

C4.9 6.6 13+62

C

C6° } .06 = 6% 4.1 13+67

C

} .05 = 5%

NWly 2x2 GRAND & Figueroa

Conc Mon SW Hornblend & Figueroa

FO.2	2685 Figueroa
FO.2	2671 "
FO.1	2669 "
FO.3 ~~E05~~	2670 "

Figueroa Blvd (Cont'd.)
Water Meters

TBM		12.48				
2+00 Sly		6.0	06.5	07.0	FO5	2665 Figueroa
~~2+18 Sly~~ (No)		5.8	06.7	07.0	FO3	2661 "
2+28 Nly		5.4	07.1	07.5	FO4	2660 "
2+58 Sly		5.5	07.0	07.0	CO0	2655 "
2+74 Nly		4.9	07.6	07.5	CO1	2652 "
3+01 Sly		5.6	06.9	07.0	FO1	2649 "
3+33 Nly		5.4	07.1	07.6	FO5	2644 "
3+38 Sly		5.4	07.1	07.1	CO0	2645 "
3+80 Nly		5.3	07.2	07.7	FO5	2634 "
3+93 Sly		5.5	07.0	07.3	FO3	2635 "
4+47 Sly		5.3	07.2	07.4	FO2	2625 "
4+61 Nly		5.1	07.4	07.8	FO4	2618, 2622 "
5+42 Sly		4.6	07.9	07.5	CO4	2603 "

Bond St. Ely Wat. Mets 7/3/53

TBM.	4.79	15.50		10.71	Mag. & Fig. Conc Mon	
2+25 N			7.6	07.9	07.8	CO1	2732 "
2+25 S.			8.1	07.4	07.4	CO0	2725 "
2+75 S			7.4	08.1	07.7	CO4	2731 "
3+18 N			7.0	08.5	08.3	CO2	2744 "
3+25 S.			7.0	08.5	08.0	CO5	2743 "
4+85 W 2-MET			5.7	09.8	09.2	CO7	ON MAG "
4+65 W			5.9	9.6	09.1	CO5	2761 "
5+20 W			5.4	10.1	09.8	CO3	2739, 2745 Mag
6+04 W			6.3	09.2	08.9	CO3	4498 Fig.
6+48 W			6.9	08.6	08.6	CO2	4494 Fig.
6+93 W			7.8	07.7	07.8	FO1	
8+50 E TD	3.85	09.04	10.31	05.19			
			3.0	06.0	06.0	CO0	
10+75 W			6.5	02.5	05.0	F25	
11+22 E			6.2	02.8	04.8	F20	
11+38 W			6.8	02.2	04.7	F25	
CK @ 12+20			6.07	03.0 = 02.9			

"J" ST.

41 ST To 43rd

(5) STKS & GRDS for 6" WATER

JUNE 22nd 1953

BEATTY MARTELL ALEXANDER

TBM	7.22	109.63		102.41		Rim of Sew M.H 41ST & J (F.B. 833 pg 58).
0+40	Begin Work 6" Cross		8.3	101.3	96.5	c48
0+80			7.93	101.7	96.6 97.8	c51
1+00			7.3	102.3	96.7 97.5	c56
1+37			10.1	99.5	96.8	c27
1+50			7.4	102.2	97.3 98.1	c49
PI 2+00	9.35	117.52	1.46	108.17	103.2	c50
2+50			5.1	112.4	105.0	c74
3+00			3.1	114.4	105.7	c87
3+30	6" TEE END WORK		(5) S 4.5 (5) N 1.3	113.0 116.2	105.2	c78 c110
ck PI			10.22	107.30 = 107.23		E Rim Sew M.H 6+06 FB 833 pg 59
6+16.44	6" TEE BEGIN WORK		9.65	107.9	103.8	c41
+50			8.9	108.6	105.3 104.8	c33
7+00			4.0	113.5	110.2 110.8	c33
PI +50	11.59	129.00	0.11	117.41		
			8.6	120.4	113.4	c70
8+00			7.4	121.6	116.0	c54
+50			6.3	122.7	118.0	c47
9+00			5.0	124.0	120.0	c40
+01.62	6" TEE		4.9	124.1	120.0	c41

E prop line c 9+16.62

7/29/53.

NOTE:—

0+00 & TEE

0+30 End 6" STUB-OUT N'ly on Toyne St.

Bott. pipe 124.0 120.0 c42

"J" ST.
(Cont'd)

		129.00				
9+50			4.5	124.5	120.7	C38
10+00			3.2	125.8	121.4	C44
+50			2.9	126.1	122.1	C42
11+00			1.7	127.3	122.8	C45
	6.96	134.47	1.49	127.51		
+50			6.3	128.2	123.5	C47
+87.65	6" TEE	@ offset	5.5	129.0	124.0	C50
12+00			5.0	129.5	124.2	C53
+16	FH. TEE	(5)	4.5	130.0	124.7	C53
				129.7	129.4	C03 C50
+50			3.3	131.2	125.9	C53
13+00			1.7	132.8	127.6	C52
+50			1.47	133.0	129.3	C37
13+55	(END WORK)		1.4	133.1	129.4	C37
13+60	GV. (?)		1.5	133.0	129.4	C36
13+63.5		Existing 6" C.I.				
CK (1)			5.89	128.58 =	128.52	(pg. 59 FB 833)

"J" ST.
(Cont'd.)

WATER METERS.

						(DK of MET 30' ST	17' RT & LT & ST 5' WALKS.
0+00 = Wly Prop. line 41ST.							
0+90 So	4" 109.63	7.60	102.0	101.9	CO 1		4101 J ST
1+43 So	"	7.63	102.0	104.2	F2 2		Vacant
2+26 Nor	4" 112.52	7.82	114.7	108.2	C6 5		Vacant
2+37 So	"	6.00	111.5	108.1	C3 4		4129 "J"
6+79 Nly	-1.8 7+00		111.7	114.0	F2 3		4202 "
7+24 Nly	-2.6 7+50		117.8	116.1	C1 7		4212 "
7+84 Sly	+0.3 8+00		121.9	119.2	C2 7		4235 "
8+48 Sly	+0.1 8+50		122.8	122.6	CO 2		4245 "
8+92 Sly	00 9+00		124.0	123.3	CO 7		4251 "
9+30 Sly	-0.1 9+50		124.4	126.1	CO 3		Vacant
9+83 Sly	+0.1 10+00		125.9	124.9	C1 2		4265 "
10+33 Sly	-0.2 10+50		125.9	125.7	CO 2		4271 "
10+97 Sly	+0.1 11+00		127.4	126.7	CO 7		4275 "
11+22 Sly	+0.7 11+00		127.5	127.1	CO 4		4279 "
11+87 Sly	-0.1 11+87		128.9	128.5	CO 4		4287 "
12+45 Sly	-0.1 12+50		131.1	130.4	CO 7		4291 "

JUNE 29 1953
BEATTY
MARTELL
ALEXANDER

41ST ST
MARKET TO 'J' ST.
(5) STKS & GRDS FOR 6" WATER

BM.		9.39	134.78	125.39	BP. NW COR 41ST & MARKET
0+00 = Nly Prop. line MARKET					
0+80 = Exist. 6" GV.			1	119.2	
0+85	BEGIN WORK		12.1	122.7	119.3	C34
1+00			11.9	122.9	119.6	C33
+50			10.4	124.4	120.6	C38
2+00			6.2	128.4	124.0	C44
+50			3.9	130.9	125.8	C51
3+00			3.7	131.1	125.5	C56
+25			4.46	130.32	125.4	C49
+50			4.6	130.2	124.1	C61
4+00			7.4	127.4	121.6	C58
(4) +50		0.87	124.37	11.28	123.50	119.1	C44
5+00				3.0	121.4	116.5	C49
+25				4.1	120.3	115.2	C51
+75				5.5	118.9	110.6	C83
6+25				6.66	117.7	104.1	C136
+50				7.4	117.0	100.3	C167
(4) +70		2.23					
+75 (5)	F.H.		TEE 114.99	11.61	112.76	97.4 102.0	C154 C105 C151 (see next page.)
+75				3.6	111.4	97.1 96.6	C143
7+10	6" CROSS			13.4	101.6	96.6	C50
CK (4)				12.58	102.41	= 102.41	SEE PG. 37

41 ST. ST. (CONT'D)
WATER METS

P	2.10	133.0		130.9
2+285 E.			3.4	129.6	128.9
2+43 E			2.7	130.3	129.2
3+16 E			2.5	130.5	129.2
CK P	3+25		.67	130.33	
3+68 E.			3.0	130.0	127.3
4+07 E			5.6	127.4	125.3
4+40 E			8.3	124.7	123.2
4+96 E			10.8	122.2	120.5
P	2.46	122.21	13.25	119.75	
5+59 E			2.8	119.4	116.9
5+96 E			3.7	118.5	113.3
6+49 E.			4.9	117.3	105.3
6+70 (5) F.H			9.74	112.47	102.0 / 97.4
CK 6+50			5.3	116.9 = 117.0	

6/30/53

26.

(CONN. ON MARKET)	535	41 ST
CO 7	525	"
C1 1	519	"
C1 3	511	"
C2 7	503	"
C2 1	441	"
C1 3	435	"
C1 7	427	"
C2 5	419	"
C5 2	411	"
C12 0	403	"
C10 5 C15 1		

FERGUS ST.
BROOKLYN TO IMPERIAL
⑤ STKS & GRDS FOR 8" WATER

JUNE 30, 1953
BEATTY
MARTELL
ALEXANDER
7/1/53 SHOREY

BM	0.90	243.59	242.69		BP. SW Cor Fergus & Brooklyn
0+00	= N'ly prop. line Brooklyn.				
0+65					
~~0+40~~	BEGIN WORK	0.9	242.7	239.2	C35
~~+50~~					
1+00		2.00	241.6	237.1	C45
+50		4.9	238.7	234.1	C46
2+00		7.9	235.7	231.1	C46
+35		9.8	233.8	229.0	C48
+50		10.8	232.8	228.2	C46
⑪ 3+00	0.12	230.46	13.25 230.34	225.5	C48
+50		2.2	228.3	222.8	C55
4+00		5.0	225.5	220.1	C54
+50		8.8	221.7	217.4	C43
5+00		12.4	218.1	214.0	C41
⑪	0.01	217.11	13.36 217.10		
+50		2.7	214.4	210.5	C39
5+~~90~~ 57	F.H. TEE	3.1	214.0	210.0	C40
⑤	F.H. (21E from ℄ ST)	3.3	213.8	214.2 ±	FO4 C38
6+00		5.9	211.2	207.1	C41
+50		9.6	207.5	203.7	C38
+85		11.9	205.2	201.2	C40

FERGUS ST. (CONT'D)

			217.11			
7+00				12.5	204.6	200.5
H		0.13	203.92	13.32	203.79	
+50				1.5	202.4	198.3
8+00				3.3	200.6	196.2
+50				5.0	198.9	194.0
9+00				6.9	197.0	191.9
+50				8.9	195.0	189.7
+89				11.9	192.0	188.0
D						
10+00		1.14	191.76	13.30	190.62	187.0
+50				.55	186.3	182.6
11+00				9.3	182.5	178.2
+44	F.H. TEE (21' from ℄ ST)			10.9	180.9	175.5
	(5) F.H.			11.1	180.7	183.7
64 +69	8"x6" Cross			12.5	179.3	174.0
CK BM		4.01	184.17	11.60	180.16 = 180.24	
11+90					176.0	171.5
12+08	(22½° Bend)			11.4	~~172.8~~ 172.7	~~171.6~~ 171.0
12+25	(22½° Bend)			7.5	176.7	175.6
12+28.5				5.7	178.5	175.6
	(℄ RR 12+495) T/R			1.15	183.02	
12+68.5				5.7	178.5	175.6
12+75				6.9	177.3	175.6
13+02	8" TEE - 2'S/y Nor PL.			E 182.1 S. 181.9		176.6
13+07				2.3	181.9	176.6
13+50	= 90° BEND END WORK			4.0	182.3	176.6

7/1/53

C39

C41

C44

C49

C51

C53

C40

C36

C37

C43

C54

H F30 C52

C53

C45 RIM SEW. M.H

~~C12~~ C17 Replaced 8/6/53

C11

C29

C29

C17

C55 C53

C53

C57

180.16 H
6.12
186.28 HI

180.16
Top 8" C1. 8.5
181.01 HI

11+64	6.1	174.9	
11+90	7.4	173.6	
12+08	8.5	172.5	
12+25	5.7	175.3	

RESET (5)

12+25	4.6	176.4 / 175.6	C08
12+08	8.8	172.2 / 171.0	C12
11+90	4.8	176.2 / 171.3	C47

FERGUS ST. (CONT'D)
WATER MET.S

0+00 = N'ly prop line Brooklyn.							
1+79 W	243.6	6.9	236.7	236.8	FO 1	730	FERGUS
2+16 E	"	7.9	235.7	234.8	CO 9	721	"
2+72 W	"	11.9	231.7	231.7	CO 0	716	"
3+14 E	230.46	0.4	230.1	229.5	CO 6	707	"
3+82 E		3.1	227.4	225.8	C1 6	661	"
3+85 W		3.1	227.4	225.7	C1 7	660	"
4+37 W		6.7	223.8	222.6	C1 2	652	"
4+37 E		6.9	223.6	222.4	C1 2	653	"
4+86 E		11.1	219.4	219.3	CO 1	645	"
5+16 E		13.36	217.10	217.2	FO 1	637	"
5+60 E	217.11	3.5	213.6	213.9	FO 2	631	"
5+83 W		4.8	212.3	211.5	CO 8	628	"
6+27 E		7.5	209.6	208.7	CO 9	621	"
6+32 W		8.4	208.7	208.0	CO 7	620	"
6+90 E		12.1	205.0	204.6	CO 4	611	"
7+79 W	203.92	2.6	201.3	200.5	CO 8	558	"
7+79 E		2.2	202.7	201.0	C1 7 ?	555	"
8+44 E		4.5	199.4	198.6	CO 8	545	"
8+97 W		6.0	197.9	197.3	CO 6 ?	538	"
9+11 E		6.9	197.0	196.0	C1 0 ✓	537	"
9+42 W		7.2	196.7	194.0	C2 7 ?	546	"
9+68 E		10.1	193.8	193.2	CO 6	527	"
9+78 W		9.6	194.3	192.2	C2 1	526	"
10+11 E	191.76	1.1	190.7	190.2	CO 5	519	"
10+15 W		1.3	190.5	189.3	C1 2	522	"
10+70 W		6.1	185.7	185.9	FO 2	510	"

ROSEWOOD ST.

SANTA FE ST TO PACIFIC HWY.

(8) STKS & GRDS. FOR 8" C.I.

JULY 7, 1953
BEATTY
SHOREY
MARTELL
ALEXANDER

TBM		6.08	39.06		32.98	
0-14	90° BEND 4' W'ly E. Prop. line Santa Fe (S) 10± S'ly S. Prop. line Rosewood (W)		0.3	38.8	35.5	
			0.9	38.2		
0-04 PK	90° Bend 4' W'ly E. PL Santa Fe		1.9	37.2	33.9	
0+04 AH.	7½ N'ly S PL Rosewood.		1.9	37.2	32.3	
0+50			5.2	33.9	29.5	
1+00			8.6	30.5	26.1	
			12.19	26.87		
+50		1.61	12.2	26.9	22.7	
+75			2.8	25.7	21.0	
2+13	8" GV.		4.1	24.4	19.5	
+50			4.9	23.6	18.1	
3+00			6.1	22.4	16.2	
+30	8"x6" TEE		8.2	20.3	15.0	
+50			8.2	20.3	14.2	
~~+80~~ 85	F.H. TEE		8.8	19.7	13.1	
	(5) F.H.		9.8	18.7	12.9	
4+00			10.4	18.1	12.3	
+50		2.05	11.92	16.56	10.4	
5+00			2.1	16.5	08.5	
+50			5.1	13.5	06.6	
6+00			7.5	11.1	04.7	
6+10	End Work		9.5	09.1	04.2	
CK TBM			7.27	11.34 =	11.32	

Conc Mon NW Cor Santa Fe & Rosewood F.B. 817 pg. 64

	Nat. Gd. Pipe	Top Pipe
C 33	38.5	2.76 36.30
C 27	0.6 C.	

C 33
C 49
C 44
C 44
C 42
C 47
C 49
C 55
C 62
C 53
C 61
C 66
C 08 C 48
C 58
C 62
C 80
C 69
C 64
C 49

NOTE:— 7/23/53

STK'd 2.75 Net. for STUB. Level GRD

Conc Mon NE Cor Pac Hwy & Rosewood F.B. 817 pg. 65

ROSEWOOD ST
Cont'd

7/7/53

41.

	28.48				
1+61 Nly		2.7	25.8	26.3	FO5
1+84 Nly		3.1	25.4	25.0	CO4
1+86 Nly		3.3	25.2	25.0	CO2
2+87 Nly		6.8	21.7	20.7	C1°
3+02 Nly } 7-MET.S		7.3	21.2	20.1	C1¹
3+10 Nly }	28.48	7.3	21.2	20.0	C1²
3+75 Nly } 8' MET.S		9.6	18.8	18.3	C0⁵
3+83 Nly }		9.8	18.7	18.0	C0⁷
5+00 Nly	18.6'	2.9	15.7	13.0	C2?
5+15 Nly } 3-MET.S		3.6	15.0	12.6	C2⁴
5+24 Nly } 2-MET		3.5	15.1	12.1	F3°
6+04 Nly } 3-MET.S		6.9	11.7	08.7	C3°
6+07 Nly }		7.1	11.5	08.6	C2?

JENNINGS ST.
ALBION To SILVERGATE
& ALBION ST
JENNINGS To TALBOT
(2) STKS & GRDS FOR WAT. METS

BM		12.22	276.65	264.43	
	Albion Westerly		Top 6"	13.26	261.39	263.0
0+185.			10.9	265.8	264.6
0+895			8.4	268.3	268.6
2+12 N			1.30	275.4	273.2
2+15 N F.H.			1.66	275.0	273.2
3+16			1.34	275.3	273.25
BM		3.26	267.69	12.22	260.43	
	Albion Easterly				
0+29 S			4.4	263.3	263.0
0+953.			7.3	260.4	260.8

ALBION St

0+54 E	28.3		6.3	261.4	261.5
1+13 E	28.0		7.7	260.0	259.7
2+10 E	27.55		11.2	256.5	256.7
2+32 W	26.56		9.2	258.5	257.1
2+60 E	27.3		12.7	255.0	255.3
BM 2+70 E F.H.	27.3	256.47	13.02	252.67	255.1
3+08 W	26.9		1.8	254.7	254.7
3+44 E	26.7		3.6	252.9	252.7
3+75 E	26.7		4.7	251.8	251.8
4+29 W	27.6		6.4	250.1	249.5
4+34 E	26.5		5.3	251.2	249.6
4+96 E.	26.15		8.9	247.6	245.7
BM		1.74	245.37	12.84	243.63	

JULY 9 1953
BEATTY
SHOREY
MARTEL
ALEXANDER

CHIS x on Conc Driveway 33'± from Conc Mon @ Albion & Jennings.
BK MET 27' RT & LT @ ST.
0+00 = Conc Mon @ Albion & Jennings

FO3	3557 JENNINGS
C2	3565 Jennings.
C2	? "
C1	"
C2	? "
CO3	3549
FO4	3539 "

0+00 = @ JENNINGS.
BK MET 7' BK face curb.

FO1	3544 Jennings
CO3	865 Albion
FO2	875 "
C1	880 "
FO3	885 "
FO4	
CO	896 "
CO2	moved from 3+64
CO	905 "
CO6	914 "
C1	915 "
C1	927 Albion

7/9/53

ALBION St. (CONT'D.)

		245.37				
6+47 E	25.9		11.3	234.0	231.2	C28 5 METS
6+52 E	25.6		11.9	233.5	230.6	C29 969 Albion, 35-22-35-30 Imes St
P	1.08	234.13	12.32	233.05		
6+50 W	28.6		3.7	230.4	229.6	C28 944 Albion
6+95 E	25.2		3.3	230.8	227.4	C34 957 "
7+04 W	28.85		8.1	226.0	225.7	C03 960 "
7+43 E	24.95		6.2	227.9	224.6	C33 959 "
P	7.34	228.80	12.67	221.46		
8+88 FH	23.25		7.75	221.05	219.5	C245
P	13.51	241.76	0.55	228.25		
P	13.30	254.77	0.29	241.47		
P	11.32	265.21	0.88	253.89		
CK BM			0.80	266.41 = 264.43		
				diff. 0.22		

ALBION St Top shots on exposed Main

	12.84	235.45		222.61	TBM Top FH	SE Cor Albion & Talbot
	C12	241.02	0.55	234.90		
5+85			1.2	239.8	237.7 C24	Wat Mat Fogl
+87			5.7	235.3		Top 6" @ pipe
6+50			10.8	230.2		Top 6" @ pipe
	1.02	229.64	12.40	228.62		
6+94			3.1	226.5		Top 6" @ pipe
7+44			6.95	222.69		" " " "
8+30			11.3	218.3		" " " "
			7.03	222.61 = 222.61		

INGELOW ST
ROSECRANS TO SCOTT
SCOTT ST.
INGELOW TO JARVIS.
④ STKS & GRDS. FOR 6" AC WATER

July 13, 1953
BEATTY
SWOREY
MARTELL
ALEXANDER

BM.		1.80	05.14		03.34		7' offset Swly Cor ROSECRANS & Ingelow
0+00	Nwly Prop. Line ROSECRANS.						
1+27	F.H. TEE		2.8	02.3	-01.2	C35	
	⑤ F.H. (23' & 5')		1.7	03.4	03.00	CO4 C46	
1+35	Begin Work		3.2	01.9	-01.4	C33	✓
1+50			3.8	01.3	-01.8	C34	✓
1+77	NEly. WAT. MET (24.5 & 5')		4.1	01.0	01.4	FO4	2944 Ingelow St.
2+00			4.7	00.4	-03.0	C34	✓
						CO1	
2+16							2929, 2931, "
2+50			5.1	00.0	-03.3	C33	✓
						CO3	
2+87	Swly						
3+00			5.3	-00.2	-03.6	C34	
3+23	Swly. WAT. MET.		4.8	00.3	0.30	CO2	2915, Ingelow
3+50			5.3	-0.20	-03.8	C36	
3+55	Swly. WAT. MET.		4.9	0.20	0.20	CO2	2907, 2909 Ingelow St.
4+00	END WORK		5.5	-0.40	-06.3	C59	
5+33	BEGIN WORK		5.3	-0.2	-04.0	C38	
TP		5.23	5.04	5.33	-0.19		4.00 4.95 4.75
+50				5.1	-0.10	-03.9	C38
6+00				5.3	-0.30	-03.8	C35
+50				5.4	-0.40	-03.7	C33
7+00				5.0	0.0	-03.6	C36
+14	END WORK			4.9	0.10	-03.5	C36
7+15	F.H. TEE			4.4	0.06	-036	C42
6+91.5	F.H. 31' RT & 10' SEly			3.9	01.1	0.50	CO6 C47
			4.5 NEly South Cor Jarvis & Scott				
TP		5.20	05.02	5.22	-0.18		
				1.68	03.34 = 03.34		

OPAL ST.
GRESHAM TO FANUEL
④ STKS & GRDS FOR 6" A.C. WATER
(W.O. 26255)

July 14. 1953
BEATTY
SHOREY
MARTEL
ALEXANDER

As per DWG E-80 / E-179 (PHA. CAL-4254 LOS ALTOS)

BM.	0.08	179.55		179.47		Top F.H. NE Cor Foothill & Tourmaline	
P	0.30	166.68	13.17	166.38		(orig. GRD. from E-179 REV. GRD 2' below So. Curb)	So. Line Profile #2259 Top. Curb.
0+00 = Wly Prop line GRESHAM.			5.8	160.9	157.0 / 157.2	C37 C39	160.5
P +50	4.21	164.91	5.98	160.70	156.8 / 156.9	C38 C39	160.3
1+00			4.7	160.2	156.5 / 156.7	C35 C37	160.0
+30			5.1	159.8	156.2 / 156.6	C32 C36	159.7
+70			5.2	159.7	155.7 / 156.2	C35 C40	159.2
2+00			5.6	159.3	155.1 / 155.8	C35 C42	158.6
+50			6.3	158.6	153.5 / 154.9	C37 C51	157.5
3+00			7.8	157.1	152.6 / 153.7	C34 C45	156.1
+50			9.5	155.4	151.1 / 152.1	C32 C43	154.6
4+00			11.2	153.7	149.5 / 150.5	C32 C42	153.0
P +50			12.3	152.6	148.1 / 148.8	C38 C45	151.6
4+985	4.02	156.62	12.31	152.60	146.0		
5+00 E/y prop. line (Pavt.) FANUEL ST			6.9	149.7	143.2	C25 C37	149.5
			7.22	149.40 - Pavt.			
P	10.13	161.91	4.86	151.78			
CK'BM			0.58	161.33 = 161.28		Top F.H. SE Cor Fanuel & Tourmaline	

OPAL ST. (CONT'D) WATER MET'S.

P	3.44	164.14		160.70	0+50	
0-45 S			3.3	160.8	159.5	C1 3 — 1401 & 1405
0+15 N			1.8	162.3	161.1	C1 2 — 5060' Gresham
0+20 S			3.8	160.3	160.6	F.O 3 — 1365 & 1371
0+40 N.			1.8	162.3	160.8	C1 5 — 1372 Opal
0+70 S.			4.2	159.9	160.2	FO 3 — 1361 & 1357
0+99 N.			2.2	161.9	160.5	C1 4 — 1364
1+20 S			4.7	159.4	159.7	FO 3 — 1353
1+42 S.			4.9	159.2	159.5	FO 3 — 1349
1+48 N.			2.9	161.2	160.0	C1 2 — 1376
1+99 N.			3.4	160.7	159.1	C1 6 — 1348
2+16 S.			5.4	158.7	158.3	CO 4 — 1337 & 1345
2+48 N.			4.5	159.6	158.0	C1 6 — 1340
2+67 S.			6.4	157.7	157.0	CO 7 — 1331 & 1335
2+85 N.			6.1	158.0	157.2	CO 8 — 1334
3+18 S.			7.9	156.2	155.6	CO 6 — 1327
3+40 N.			7.9	156.2	155.7	CO 5 — 1324
3+68 S			9.7	154.4	154.0	CO 4 — 1319
3+80 N			9.6	154.5	154.6	Fo 1 — 1318
4+20 S			11.3	152.8	152.5	CO 3 — 1309 & 1315

Opal St. (Cont'd)
Water Meters
164.14

7/15/53

4+23 N.		10.5	153.6	153.3	CO 3	1312
4+68 S.		12.4	151.7	150.9	CO 8	5035 Fanuel
4+84 N.		12.0	152.1	151.7	CO 4	1304
CK	Top curb Near Side	12.58	151.56	= 151.5	— asphalt	
CK	④ 4+50	11.55	152.59	= 152.6		

AKIN ST.
67TH TO CITY BOUNDARY
(5) STKS. & GRDS FOR 6" A.C. WATER

JULY 15, 1953
BEATTY
SHOREY
MARTELL
ALEXANDER

BM.	4.24	234.73		230.49		
PI	10.02					
0+40	6" TEE	237.90	6.87	227.86	224.6	
+50			10.1	227.8	224.6	
+70	F.H. TEE			227.6	224.6	
1+00			9.7	228.2	224.6	
+50			7.2	230.7	225.9	
2+00			6.4	231.5	227.2	
+50			5.0	232.9	228.5	
3+00			4.1	233.8	229.8	
+50			2.5	235.4	231.2	
4+00			1.2	236.7	232.5	
PI						
+50	10.72	248.62	0.00	237.90	233.9	
5+00			9.7	238.9	235.2	
+50			8.5	240.1	236.6	
6+00			7.2	241.4	238.1	
+50			5.8	242.8	239.5	
7+00			4.3	244.3	241.0	
+50			2.9	245.7	242.4	
8+00			1.1	247.5	243.8	
PI	10.15	258.74	0.03	248.59		
+50			9.6	249.1	243.8	
+57	F.H. TEE			249.3	243.8	
+75			8.9	249.8	243.8	
CK PI			8.49	250.25	= 250.21	

L&T SE Cor WOODMAN & Imperial

C32	℄ pipe 4⁵ N/y ℄ ST			
C32				
C30	(5) FH 227.8 GRD 227.6 EL.	C02	C32	
C36	℄ pipe 4⅗ N/y ℄ ST	-2.8	225.4	+.2
C48	℄ pipe 4' N/y ℄ ST	-4.5	226.2	-.3
C43	℄ pipe 4' N/y ℄ ST	-3.9	227.6	-.2
C44	℄ pipe 3⅘ N/y ℄ ST	16.5 (14' 2.45 .08)	228.6	-.5
C40 ✓	℄ pipe 3' N/y ℄ ST	15.0	230.1	-.3
C42	℄ pipe 4' N/y ℄ ST	13.64	231.44	-.36
C42	℄ pipe 5' N/y ℄ ST	12.49	232.65	-.45
C40		10.9	234.2	-.3
C37		9.46	235.6	-.2
C35		7.9	237.2	OK
C33		6.2	238.7	OK
C33		4.72	240.36	-.26
C33		3.74	241.34	-.26
C33		2.36	242.72	-.28
C37			243.8	-.60
			243.7	-.70
C53 C58 (5) F.H.	249.6 Elev. C14 246.2 GRD C58		℄ Pipe 5' N ℄ ST	
C60				

Rim SEW M.H.

AKINS ST. (CONT'D)

			258.74			
B	8+93	6" TEE (vert)	8.2	250.5	244.6	
0	9+00	(Moved to 8+57)	8.1	250.6	244.9	
	~~10+00 FH TEE~~				246.1	
	+50.		6.0	252.7	247.2	
	+75.				248.4	
1	10+00		3.6	255.1	249.2	
	+50		0.8	257.9	250.8	
	TP 1	4.32 262.27	0.79	257.95		
2	11+00		3.0	259.3	252.4	
	+50		2.6	259.7	253.0	
3	12+00		2.0	260.3	253.6	
	+50		2.1	260.2	253.8	
4	13+00		3.3	259.0	254.0	
	+50		4.0	258.3	253.5	
5	TP 14+00	3.03 260.58	4.72	257.55	253.0	
	+50		4.8	255.8	252.2	
6	15+00		6.2	253.4	250.4	
	+50		6.8	253.8	249.6	
	+75		6.9	253.7	249.2	
	+95	EC	6.7	253.9	249.1	
		Top C'A.C.	9.20	251.38		
	16+13	6" Cross.	6.7	253.9	249.1	
	16+30	E. Prop Line 69TH				
	+35	B.C	6.2	254.4	249.1	
	CK TP		6.87	253.71	= 253.70	

		NAT GRD @ Pipe			E PIPE JOIN E ST
C59					
C57	~~Elev 253.3~~ ~~GO 251.3~~ C20 C72	8.3 C			
C55		6.6 C	-5.2	247.5	-.30
C59		4.7 C	-5.4	249.7	-.10
C71		2.1 C	-6.2	251.7	+.30
C69		4.6 C	-6.1	253.7	+.20
C67		3.9 C			
C67		3.9 C			
C64		4.3 C			
C50		4.4 C			
C48		4.8 C			
C46		5.7 C			
C36		5.3 C			
C30 ?		6.7 C			
C42		7.0 C			
C45		7.0 C			
C48	(Moved 12 Nor)	6.9 C			253.7
C48	(Moved 15 Nor) 16+08				249.1
					C4,6
C53	(Moved 15 So.) 16+18				254.1
					249.1
	Rim SEW M/H				C50

AKINS ST. (CONT'D)

16+45 F.H.		260.58			
16+50			6.2	254.4	249.1
17+00			5.9	254.7	249.0
+50			6.1	254.5	249.7
18+00			6.6	254.0	250.5
PI +50	9.50	263.84	6.24	254.34	251.2
19+00			8.4	255.4	252.0
+50			7.8	256.0	252.7
+66.21 EC			7.7	256.1	252.9
20+00			6.8	257.0	253.5
+50			6.0	257.8	254.2
21+00			5.3	258.5	255.0
+50			4.5	259.3	255.6
22+00			3.2	260.6	256.4
+50			2.4	261.4	257.1
+96 F.H. TEE			1.5	262.3	257.8
23+00			1.5	262.3	257.9
F.H. TEE					
+50	8.16	271.44	0.56	263.28	258.6
+75			7.6	263.8	259.0
24+00			6.9	264.5	259.2

7/16/53

(S) Elev. 254.6 Grd 253.1 C4E C5E

C53
C57
C48
C35
C31
C34
C33
C32
C35
C36
C35
C37
C42
C43
C45
C44
C47
C48
C53

271.4
8.6
262.8

E' 262.8
GRD 260.2
C26 C50

± ditch, OK
1.3 Nor
3' Nor
1' Nor
0.± Nor
OK

262.9
8.5
C
263.9
7.5
C

AKIN ST. (CONT'D.)

		271.44				
24+50			5.1	266.3	259.6	
25+00			5.5	265.9	260.0	
+50			4.8	266.6	260.5	
26+00			4.3	267.1	260.9	
+50			2.7	268.7	261.3	
27+00			4.5	266.9	261.7	
+50			5.3	266.1	262.1	
+75	END WORK (AT CITY BOUNDARY LINE)		4.5	266.9	262.5	
SET "11"		1.97 271.42	1.99	269.45		
QTT3H			2.35	269.07 = 269.02		
CK "H"			3.35	268.07 = 268.03		
	WATER METS.					
"11"		9.20 262.10		232.90		
2+52 N.			8.5	233.6	232.7	
3+33 N.			6.2	235.9	234.9	
3+76 N.			5.0	237.1	236.0	
"11"		12.35 254.17	0.28	241.82		
6+37 N.			10.9	243.3	243.0	
7+27 N.			8.4	245.8	245.5	
8+15 N.			5.4	248.8	247.8	
"11"		12.77 264.31	2.63	251.54		
10+16 N			7.8	256.5	256.3	
10+40 N			6.7	257.6	255.1	

C67	265.2 / 6.2 / C
C59	265.0 / 6.4 / C
C61	265.7 / 5.7 / C
C62	266.2 / 5.2 / C
C74	267.3 / 3.8 / C
C52	266.2 / 5.2 / C
C40	265.8 / 5.6 / C
C44	266.7 / 4.7 / C

30 Edge Doorway Sew. Grange House
1" I. Pin SE Cor. of SD & GE
Rim of Sew M.H

7/20/53

BK of Mets 45 from Nly prop. line

C09	6728 AIKEN
C10	6732 "
C11	6738 "
C03	6768 "
C03	6784 "
C10	
C23	6814 "
C25	6818

		264.31					
11+05 N			4.8	259.5	257.4	C21	6830 AIKEN
11+92 N			3.5	260.8	260.1	C07	6836 6838 "
12+52 N			3.0	261.3	260.7	C06	6842 "
13+22 N			3.8	2605	259.6	C09	6850 "
P	1.63	260.60	5.34	268.97			
13+69 N			2.0	258.6	258.4	C02	6858 "
14+38 N			3.5	257.1	256.6	C05	6864 "
14+94 N			5.7	254.9	255.0	F01	6872 "
16+81 N			5.8	254.8	253.0	C18	731 69TH
P	7.11	261.55	6.16	254.44			
17+95 N			7.6	254.0	253.2	C08	6922 AIKEN
21+05 N			3.0	258.6	258.2	C04	6980 "
22+21 N			0.3	261.3	260.1	C12	7006 "
P	10.69	271.42	0.82	260.73			
23+40 N			7.9	263.5	261.9	C16	7020 "
23+89 N			6.9	264.5	262.8	C17	7028 "
24+59 N			4.2	267.2	263.9	C33	248 69TH
25+02 N			4.1	267.3	264.4	C29	7050 AIKEN
25+52 N			3.9	267.5	264.9	C26	7060 "
26+02 N			3.1	268.3	265.3	C30	7068 "
26+57 N			1.1	270.3	265.8	C45	7076 "

AKLIN ST
CONT'D

	271.42				
27+65 N	50	266.4	266.7	FO3	SEWER DEPT
CK TBM	2.35	268.07	= 268.02	1. PIN	

DENBY ST.
MARKET TO "J" ST.
⑤ GRDS & STKS FOR 6" WATER

JULY 17, 1953
Beatty
Shorey
Martell
Alexander

B.M.	5.28	131.04		128.76	DIP. SW COR MARKET & 42nd ST.	(FB. 833 pg. 50)
11	8.39	130.84	11.59	122.45		
0+80	EXIST. G.V. (Sly Prop. line MARKET)			119.2		
0+85	BEGIN WORK	8.3	122.5	119.4	C3'	
1+00		7.8	123.0	119.5	C3.5	
+50		7.6	123.2	119.8	C3.4	
2+00		5.7	125.1	120.1	C5.0	
+06 E. WAT. MET		3.9	126.9	124.2	C2.7	534 43rd
+44 E WAT MET.		3.0	127.8	124.4	C3.4	524 43rd
+50		3.9	126.9	120.4	C6.5	
+70 W. WAT MET		6.0	124.8	118.9	F0.1	522 DENBY
+91 E WAT MET		2.9	127.9	124.5	C3.4	512 43rd
3+00		2.9	127.9	120.7	C7.2	
+18 W. WAT. MET		3.8	127.0	125.1	C1.9	512 DENBY
+50		3.5	127.3	121.0	C6.3 ✓	
+67 W. WAT MET		3.7	127.1	125.4	C1.7	504 DENBY
+73 E WAT MET		3.7	127.1	124.9	C2.2	504 43rd
+82 W WAT MET		4.0	126.8	125.4	C1.4	450 DENBY
4+00		4.6	126.2	121.2	C5.0	
+28 W. WAT MET		4.7	126.1	125.6	C0.5	442 DENBY

DENBY ST. (CONT'D)

	130.84				
4+25 E WAT MET	5.5	125.3	125.2	COL	444 DENBY
+46 W WAT MET	5.2	125.6	125.6	CO^{0}	438 "
+50	7.0	123.8	118.8	C4^{4}	
5+00	10.2	120.6	116.0	C4^{6}	
5+00 W. WAT MET	7.3	123.5	125.9	F2^{4}	532 DENBY
+25	10.6	120.2	115.2	C5^{0}	
+50	10.9	119.9	116.0	C3^{9}	
+80 W. WAT MET	9.0	121.8	126.5	F4^{7}	414 DENBY
6+00	6.7	124.1	119.9	C4^{2}	
+50	3.1	127.7	122.8	C4^{9}	
7+00	1.4	129.4	124.0	C5^{4}	
CK. "P"			128.46	Rim Sew. M.H. & Denby & J (F.B. 833 pg. 51) (128.5L F.B. 833 pg. 59.)	
CK. @ 11+50 "J" ST.	2.76	128.08	= 128.2		

El. 121.2 Top 24" RCP 25' LT 4+75
9.6

El 119.3 Bott drain ditch 4+80
11.5

WINONA AVE

ORANGE TO TROJAN

⑤ & ⑧ STKS & GRD.S FOR 6" WATER

July 27, 1953

Beatty
Sperry
Martel
Alexander

BM	1.31	349.76		348.45	Orange & Estrella, church steps	FB 811 pg. 48
TP	0.50	337.17	13.09	336.67		
0+35	Begin Work		9.47	327.70	323.8	C39 ⑤
0+50			9.12	328.05	324.5	C36 ⑤
TP 1+00	13.26	341.05	6.38	330.79	327.0	C38 ⑧ on curb
+50			10.2	333.9	330.2	C37 ⑧
2+00			6.0	338.1	334.4	C37 ⑧
TP +50	13.15	356.76	0.44	343.61	339.5	C41 ⑧
3+00			6.2	350.6	346.6 345.4	C40 ⑧
	12.56	369.17	0.15	356.61		
+50			11.2	358.0	353.7 ~~352.3~~	C43 ⑧
+75			8.0	361.2	356.8 ~~357.2~~	C44 ⑧
4+25			3.3	365.9	361.8 ~~362.2~~	C41 ⑧
4+75			1.4	367.8	364.1	C34 ⑧ Not on curb
	3.91	372.73	0.35	368.82		
5+25			3.1	369.6	365.2	C36 ⑧
TP 5+75			3.4	369.3	366.6	C42 ⑧ 4.2
6+00			4.2	368.5	363.9	C46 ⑧
+50			5.6	367.1	362.4	C47 ⑧
+75	F.H. TEE		6.4	366.3	361.7	C46 ⑧ ⑤ 366.4 366.3 COL C47
7+00			7.8	364.9	360.9	C40 ⑤
+33	= 5' from G.V.					
+40	End Work		9.2	363.5	359.6	C39 ⑤
CK BM			9.86	362.87 =	362.89	BP NW Cor Trojan & Winona

50TH ST.
ORANGE AVE, S'LY for 300
(5) & (8) STKS & GRDS FOR 6" WATER

PI	0.42	328.12	327.70	
0-25	Begin Work	7.30	320.8	317.5
0+05		6.9	321.2	317.9
+50		6.2	321.9	318.4
1+00		5.6	322.5	319.0
+50		5.7	322.4	317.9
2+00		7.6	320.5	~~316.2~~ 316.8
+50		11.0	317.1	313.2
3+00	End Work	16.3	311.8	308.0

WATER MET.S.

0+27 W
0+61 W
0+66 E
1+01 W
1+58 W
1+73 E
2+28 E
2+44 W
2+58 E (?)

(5) 0+35 Winona St. from preceding page

C33
C33
C35
C35
C45
C43
C39
C38

(Mrk'd (W) on BK side of SidewlK)

4191 Orange
4168 50TH
? 50TH
4170 "
4166 "
4163 "
4155 "
4148 "
?

50TH ST.
ORANGE TO EL CAJON BLVD
⑤ & ⑧ STKS & GRDS FOR 6" WATER

TP	0.42	328.12		327.70		⑤ 0+35 Winona
CK BM			7.32	320.80	= 320.87	SE BP 50TH ST & ORANGE Gone!
0+35	Begin Work		7.10	321.0	317.6	C3 4
0+50	12.76	334.05	6.83	321.29	317.6	C3 7
0+625			12.6	321.5	317.6	C3 9
0+85 (BC. Curb)			11.6	322.5	318.5	C4 0
1+00			11.1	323.0	319.1	C3 9
+50			9.5	324.6	321.2	C3 4
2+00			7.2	326.9	323.3	C3 6
+50			5.3	328.8	325.6	C3 4
3+00			3.0	331.1	327.6	C3 7
TP	12.91	346.16	0.80	333.25	331.0 ~~330.0~~	
+50			11.8	334.4		C3 4
4+00			7.6	338.6	335.1 ~~333.8~~	C3 5
+50			2.4	343.8	340.3 ~~338.6~~	C3 5
TP	12.58	358.15	0.59	345.57		
5+00			8.5	349.7	346.1 ~~344.2~~	C3 6
+50			1.5	356.7	353.2 ~~351.4~~	C3 5
TP	12.00	369.40	0.75	357.40		
6+00			5.1	364.3	361.0 ~~359.7~~	C3 3
TP	10.03	378.99	0.49	368.96		
+50			7.1	371.9	367.5 ~~366.4~~	C4 4
+75			4.5	374.5	370.0 ~~367.8~~	C4 5
6+85 71.3	C.F.H. TEE		4.8	374.2	369.7 ~~371.6~~	C4 5
7+01.3	6" Cross.		3.5	375.5	371.0 ~~371.9~~	C4 5
+50			3.0	376.0	371.0	C5 0
CK BM					362.89	BP NW Cor Trojan & Winona.

Grd. 374.5 ⑤ F.H.
Elev. 373.8
Fo? C4 ±

GRADE CHANGE
DUE TO STREET
GRADE (EST. Grade)
REVISION, SEE
10202-L

50TH ST. (CONT'D.)

			378.99			
8+00			2.9	376.1	371.7	C4 4
+50			2.2	376.8	372.5	C4 3
TP						
9+00	7.18	385.22	0.95	378.04	373.2	C4 8
+50			6.3	378.9	374.0	C4 2
10+00			5.5	379.7	374.7	C5 0
+50			5.4	379.8	375.5	C4 3
11+00			4.0	381.2	376.2	C5 0
+50			3.4	381.8	377.0	C4 8
12+00			2.9	382.3	377.7	C4 6
+50			2.4	382.8	378.5	C4 3
13+00			2.4	382.8	379.2	C3 6
13+22		End Work	1.7	383.5	379.4	C4 1
TP	2.70	380.46	7.46	377.76		
TP	2.23	370.27	12.42	368.04		
TP			7.28	362.99 ~~362.08~~	= 362.89	N. W. B. P. Trojan & Winona

WINONA ST
(Contd from pg 56)
Water Meters.

0+95 E	(Mrkd W on BK of curb.) 4960 Orange
1+42 E	(New count) No Number yet
1+71 W	4212 "
2+05 W	4222 "
2+48 E	4225 "
2+64 W	4230 "
2+95 E	4235 "
3+14 W	4238 "
3+46 E	4243 "
3+72 W	4242, 4244 "
4+18 E	4255
4+21 W	4252 "
4+53 E	4261 "
4+65 W	4260 "
4+88 W	4268 "
5+23 W	4267 "
5+49 W	4278 "
5+73 E	4273 "
6+25 W	4286 "
6+38 E	4285 "
6+64 W	4294 Winona
6+81 W	4929, 4927 Trojan

50TH ST
(Cont'd from pg 58)

1+01.5 E
1+35 E
1+50 W
1+89 E
2+26 W
2+52 E.
3+06.5 W.
3+12 E
3+72 E
4+00 W
4+37 W
4+92 E
5+26 W
5+52 W
5+94 E
5+99 W
~~6+53 W~~ 6+82 W
6+83 W
7+39 W
7+63 W
7+29. E
8+33 E
8+34 W
8+44 W
8+78.5 E
9+17.5 E
9+35 W

7/27/53

4201 50TH.
4207 "
4218 "
4223 "
4222½, 4222 "
4227 "
4236 "
4243 "
4247 "
4252 "
4262 "
4269 "
4268 "
4278 "
4277 "
4284 " 50TH
4290 50TH, 4989 Trojan
4975 Trojan
4976 "
4304 50TH
4303 "
4311 "
4312 "
4320 "
4321 "
4327 "
4326 "

50 TH ST
Contd

9+67 W
9+77 E
9+96 E
10+22 W
10+65 E
11+02 E
11+14 W
11+45 W
11+51 E
11+96.5 W
12+19 E
12+61 E

7/27/53

4336, 4338 50 TH
4335 50 TH
4345 50 TH
4348 50 TH
4353 "
4359 "
4354 "
4364 "
4367 "
4372 "
4373 "
4376 "

34TH ST.
MARKET TO SPRINGARDEN
⑤ STK. 5 & GRDS. FOR 6" WATER

Aug 2 1953
BEATTY
MARTELL
ALEXANDER

BM			85.65		NE. Cor 35th & Market	
TBM	2.92	50.83	47.91		CHIS III SE Cor Bridge.	FB. 811 - 54
0+00.	Begin Work	3.0	47.8	44.1 ~~44.6~~	C3 7	
0+30	End Work	2.9	47.9	44.1 ~~44.6~~	C3 8	
0+40	8x6 Cross			—		
0+50	Begin Work	3.1	47.7	44.1 ~~44.6~~	C3 6	
0+60	℄ PT. (Δ 38°03' RT. 3. Prop Line Market ST.)	3.1	47.7	43.5 ~~44.1~~	C4 2	
1+00		4.7	46.1	39.9	C6 2	
1+25		5.4	45.4	37.2	C5 2	
1+50		6.3	44.5	35.1	C8 8	
1+62		7.3	43.5	35.0	C8 5	
2+00		10.6	40.2	~~36.5~~	C5 2	
2+37.66	(37°22' LT.) ℄ PT.	12.2	~~38.6~~	~~34.0~~	C4 6	
2+50 TP	3.13 41.58	12.38	~~38.45~~	33.9	C4 5	
3+00		3.7	37.9	33.4	C4 5	
3+50		4.1	37.5	32.8	C4 1	
3+71.9 BK 3+66.7 AH ℄ PT.	(N. Prop Line I ST. (Δ = 14°31' LT.)	4.0	37.6	32.6	C5 0	
4+00		5.0	36.6	32.2	C4 4	
4+26.5 ℄ PT.	(Δ 14°31' RT. 5. Prop Line I ST.	5.1	36.5	31.9	C4 6	
4+28.5 F.H. Tee		5.1	36.5	31.9	C4 6	⑤ F.H. Elev. 37.0 C8 C5 1

34TH ST. (CONT'D.)

Aug. 5 1953
BEATTY
SHOREY
MARTEL
ALEXANDER

	41.58					
4+50		5.5	36.1	31.7	C4 2	
4+87		6.2	35.4	31.3	C4 1	
5+00		6.5	35.1	31.0	C4 1	
5+50		7.3	34.3	30.1	C4 2	
6+00		8.5	33.1	29.2	C3 2	
6+12		8.5	33.1	29.0	C4 7/1	
6+50		8.9	32.7	28.8	C3 2	
7+00		8.8	32.8	28.5	C4 3	
7+50 TP	2.56	35.29	8.85	32.73	28.3	C4 2
8+00			2.5	32.8	28.0	C4 8
8+50			2.8	32.5	27.7	C4 8
8+62			2.9	32.4	27.6	C4 8
9+00			3.5	31.8	27.2	C4 6
9+50			4.1	31.2	26.8	C4 4
10+00			5.0	30.3	26.4	C3 2
10+33			5.0	30.3	26.1	C4 2
10+38 BK = 10+58 AH 6" TEE						
10+63			5.0	30.3	26.0	C4 3
10+78 F.H. TEE			5.3	30.0	26.0	C4 6
10+78			5.3	30.0		
11+00			4.9	30.4	25.9	C4 5
+50			5.5	29.8	25.7	C4 1
12+00			5.0	30.3	25.6	C4 3

(5) F.H. Elev. 30.9 C02 C4 4.

34TH ST (CONT'D.)

35.23

12+50		8.4	26.9	23.0	C3 2	(10)	Set out Same cut.
12+77 TP	7.23 34.28	8.24	27.05	21.6	C5 5	"	
12+87		9.0	25.3	15.4	C9 2	"	
13+18		8.3	26.0	15.4	C10 6	"	
13+30		1.4	32.9	23.0	C9 2	"	
13+50		6.6	27.7	23.4	C4 2	(10)	Set out
13+80 ⅄ PT.		7.2	27.1	24.0	C3 1		
14+00		6.0	28.3	24.4	C3 9		
+50		4.2	30.1	25.4	C4 7		
~~+85~~ +835	END WORK.	3.9	30.4	26.0	C3 6		
+935	8" TEE			26.0			
CK TBM.		3.85	30.43 =	30.25	7' Lft Springarden & 33rd SE. Cor		FB 811-61 56

WAT METS

4+60 W	N 41.6	4.8	36.8	36.8	C20	3353	I ST
5+36 E	"	6.8	34.8	33.8	C1 0	435	34TH
5+40 W	"	6.6	35.0	33.8	C12	3345	I ST
7+44 E	N 35.3	1.8	33.5	32.0	C15	3402	J ST
7+73 E	"	1.8	33.5	31.8	C17	3401	J ST
8+96 2 W	"	3.0	32.3	30.9	~~C4~~ → C0 2 IN CONC	328	34TH
10+27 E	"	4.3	31.0	30.6	C05	335	34TH
11+12 N.	"	4.4	30.9	30.3	C06	3362	Springarden
11+50 N	"	5.6	30.3	30.0	C03	3354	"
12+10 N	"	6.0	29.3	29.4	F01	No Number	"

MOLLIE ST
LAURETTA TO LINDA VISTA ROAD
④ STKS & GRDS FOR 8" C.I. WATER

8/7/57
BEATTY
MARTELL
KEMP
ALEXANDER

ip	4.98	37.08		32.10	27.8 / 32.1
2+23 = (~~0-13~~ 0-08 LAURETTA.)		90° BEND	5.0	32.1	27.8
2+00			5.2	32.1	28.0
1+50			5.1	32.0	28.3
1+00			4.8	32.3	28.5
0+58 E WAT MET			3.6	33.5	
0+50			4.3	32.8	28.8
0+25 ±		℄ INT 34° RT. 22½ & 11¼° BENDS.	4.1	33.0	28.9
0+00 = 5 FROM G.V.			5.0	32.1	29.0
CK TD			4.98	32.10	

⑤ 0-08 / 0-13 Lauretta

C 4.3

C 4.1

C 3.7

C 3.8

C 0.0

C 4.0

C 4.1

C 3.5

NOTE:— 8" pipe moved to 8' W'ly of Ely prop. line of Mollie, because of Confliction with SEW. MH.

EUREKA ST.
RILEY TO YUMA
④ STKS. & GRDS. FOR 6" A.C. WATER

8/7/53
BEATTY
MARTELL
ALEXANDER
KEAD.

						1.P NE Cor Riley Eureka	F.B. 822 pg. 9	# 3507 Est. Grd
BM.	0.65	88.27		87.62				
0+00	Begin Work		8.2	80.1	74.0 ~~74.6~~	C55	C6'	77.8
0+60	F.H. Tee		11.9	76.4	70.9 ~~71.7~~	C47	C55	75.6
	⑤ F.H.		9.47	78.80	~~78.80~~ 78.80	C0°	C7' C00 C79	
℄	0.18	75.28	13.17	75.10				
1+00			4.7	70.6	64.7 ~~66.0~~	C46	C59	69.3
℄	0.15	62.48	12.95	62.33				
+50			0.4	62.1	57.0 ~~58.9~~	C38	C5'	60.7
2+00			6.5	56.0	51.7 ~~52.2~~ ~~51.7~~	C38	C43	55.7
+50			10.4	52.1	47.8 ~~48.3~~	C39	C43	51.5
⑪	0.74	50.40	12.82	49.66				
3+00			0.8	49.6	43.9 ~~44.6~~	C5°	C57	47.4
+50			3.5	46.9	40.3 ~~40.8~~ ~~40.3~~	C6'	C66	43.6
~~+70~~ +80	End Work		6.5	43.9	39.6 ~~39.6~~	C43	C43	
~~+80~~ +90	Begin Work		6.7	43.7	39.4 ~~39.1~~	C43	C43	
4+00			6.9	43.5	39.2 ~~39.2~~	C43	C43	43.6
+50			7.9	42.5	38.0 ~~38.1~~	C44	C45	41.6
+75			8.6	41.8	37.0 ~~37.0~~ ~~37.6~~	C48	C48	5+00 40.6
5+25			11.3	39.1	33.0 ~~32.7~~ ~~33.0~~	C64	C6'	39.0
℄	1.00	38.60	13.00	37.40				
+50			3.1	35.3	30.0 ~~29.6~~	C6'	C53	35.8
6+00	0.85	27.15	12.10	26.30	21.5 ~~21.5~~	C48	C48	28.6

NOTE: GRADE REVISED TO CONFORM WITH EST. GRADE
Beatty 8/10/53

EUREKA ST. (CONT'D)

27.15

6+50			10.1	17.1	13.8 +4.5 +13.8	
TP	6.05	18.41	12.79	14.36		
7+00			5.0	13.2	08.8 +10.4	
+50			4.1	~~11.2~~ 11.3	06.7 06.9	
+55			4.6	~~10.8~~ 10.7	06.5 10.5	

(5) F.H.

WATER METERS

0+92	E	80.21 Di.	7.5	72.7	72.8	
2+21	E	67.23 Di.	13.20	54.0	54.2	
~~5+00~~ 5+97	W	43.26 Di.	2.2	41.1	40.7	
6+63	W	-1.0 6+50		16.1	15.7	

18.41

TP	13.20	31.54	0.07	18.34	
TP	11.92	43.16	0.30	31.24	
TP	11.82	54.63	0.35	42.81	
TP	13.32	67.23	0.72	53.91	
TP	13.01	80.21	0.03	67.20	
TP	8.87	88.38	0.70	79.51	
CK BM			0.72	87.66 =	87.62

C~~26~~ C33

TP on 3/4" Prop Cor NW Yuma & Eureka 21.5

C~~30~~ C46 16.0

C~~74~~ ~~C96~~ C45

C~~73~~ ~~C93~~ C43

Co2 C42

+ 4.2 17.6
6.4
11.2
6.8
10.8
6.9
10.7

Fo1

Fo4

Co4

Co4 (10/14/53)

11.47 EUREKA

11.21 "

10.70 "

? YUMA

88.4
9.6
78.8

WEEKS AVE
DORCAS TO VEGA
④ STKS & GRDS FOR 6" A.C WATER

AUG 14 1953
BEATTY
MARTELL
ALEXANDER

BM	4.90	21.09		16.19	
CK TBM			7.78	13.31	= 13.30
0+14		Begin Work	6.4	14.7	10.2
0+50			7.4	13.7	09.8
1+00			8.6	12.5	09.1
+50			9.6	11.5	08.4
2+00			10.2	10.9	06.8
+50			12.1	09.0	05.2
+87.5			12.3	08.8	04.9
3+00			12.0	09.1	04.6
+50			10.2	10.9	07.4
4+00			9.6	11.5	"
⑪ +50	7.10	18.93	9.26	11.83	"
5+00			6.3	12.6	"
+50			6.0	12.9	"
6+00			6.6	12.3	"
+~~40~~ 30		F.H. TBE	7.1	11.8	"
⑤		" "		14.2	11.60
+50			6.7	12.2	07.4
CK TBM			5.62	13.31	= 13.30

CONC. MON. SW. COR NAPLES & DORCAS
SW COR ON VAL CHAMBER 27'LT 0+135

C45
C39
C34
C31
C51
C38
C48
C45
C35
C41
C44
C51
C55
C49
C41
C26 C68
C48

3.6
1.2
2.4

WEEKS AVE (CONT'D)

WAT. MET.S.

0+42 NELY	0+50	+1.6	15.1	14.0	C1 — 4995. Weeks Ave
1+39 "	1+50	+1.6	13.1	13.7	F0 6 — 4979. " "
2+11 "	2+00	+0.7	11.6	13.4	F1 8 — 4969. " "
2+60 "	2+50	+0.6	09.6	13.2	F3 6 — New Met. No Address
3+69 " 2-MET.S	3+50	+1.5	12.4	12.7	F0 3 — 4941. " "
5+13 "	5+00	+1.5	14.1	12.0	C2 — 4919. " "
5+63 "	5+50	+0.8	13.7	11.8	C1 9 — 4911. " "

FRANCIS ST.
DURANT ST. 285' N'ly
⑤ STKS & GRDS FOR 4" WATER

AUG. 17 1953
Beatty
Martell
Alexander

TBM	8.82	70.09		61.27		NE Cor lower step. 10' LT 0+20
0+15	Inv. 4" G.V. (Existing)		14.1	56.0	56.0 ~~56.5~~	
0+17	Begin Work		4.8	65.3	56.0 ~~56.5~~	C9 3
0+42	⑤ F.H. TEE		6.0	64.1	~~55.7~~ ~~56.5~~	2% C8 4
	⑤ F.H.			66.1	62.4 55.5	2.5% C37 C10 4
0+50			7.0	63.1	~~56.5~~	3.84% C7 6 62.4
0+63			7.2	62.9	55.0 ~~56.5~~	C7 9
TP	1.72	62.64	9.37	60.72		7.84%
1+00			1.7	60.7	52.4	C8 3 57.2
1+37			8.2	54.2	48.0 ~~48.6~~	11.9% C6 2 53.2
TP	2.93	52.25	13.12	49.32		18.4%
1+75			10.4	41.9	41.0	C0 9
2+00			6.8	45.5	41.0	0.0 C4 5
2+25			2.7	49.6	41.0	C8 6
2+50			4.7	47.6	39.6 ~~39.9~~	5.6% C8 0
TP	1.50	45.35	8.40	43.85		11.66%
2+62			1.5	43.9	38.2 ~~39.3~~	C5 7
2+85			8.2	37.2	34.8	14.8% C2 4
TP	1.50	33.57	13.28	32.07		
CK BM			4.00	29.57		BP on Bridge
0+85 Ely WM		-1.3	0+50	61.8	57.8	BK Met / 165 ℄ ST C4 0
0+54 Wly WM		-0.5	0+50	62.6	60.5	C2 1 3454 DURANT

Aug. 20, 1953
BEATTY.
MARTEL.
ALEXANDER.

35TH ST.
OCEANVIEW TO VALLE
VALLE AVE.
35TH TO ~~34TH~~ WABASH FREEWAY
STK. 5 & GRDS. FOR 6" WATER.

B.M.	10.83	79.01		68.18	Top. F.H. 35TH & OCEANVIEW.
0+00 = Nly. Prop. Line Oceanview.					
0+85	Begin Work.		13.0	66.0	62.8 C32
1+00			11.7	67.3	63.2 C40
+50			7.0	72.0	67.1 C49
+75			4.9	74.1	68.5 C56
2+00			4.3	74.7	~~69.0~~ 68.7 C60
+50			5.3	73.7	67.9 C58
3+00			6.3	72.7	66.8 C59
+50			7.6	71.4	65.7 C57
+80	6" Tee		E. 8.1 S. 8.6	70.9 70.4	65.0 C59 C54
4+25			11.1	67.9	63.7 C42
(1)	0.25	66.23	13.03	65.98	
+75			0.9	65.3	62.2 C31
5+25			2.9	63.3	60.3 C30
+50			3.8	62.4	59.0 C34
6+00			6.1	60.1	56.4 C37
+50			11.1	55.1	51.4 C37
(2)	0.45	53.35	13.33	52.90	
+70	F.H. Tee		0.95	52.4	47.7 C47
(3)	F.H.		0.45	52.90	51.5 C14 C52

8/21/53
BEATTY
ALEXANDER
KEMP.

VALLE AVE (CONT'D)
& WABASH FREEWAY
VALLE AVE TO MARTIN AVE.

STK.S & GRDS FOR 6" WATER
53.35

7+00			6.3	47.1	42.1	C5°
PI	0.36	40.85	12.86	40.49		
+50			2.9	38.0	34.6	C3½
8+00			11.1	29.8	26.2	C3½
PI	0.06	27.59	13.32	27.53		
+50			3.8	23.8	20.4	C3½
9+00			7.3	20.3	16.6 15.6	C3½
+50			9.6	18.0	14.3	C3½
+64.60 +63	Δ = 87°37'LT. 90° BEND =15'W'ly of E'ly PROPLINE WABASH Freeway.				13.7	
+59.60			9.7	17.9	13.9	C4°
+69.60		Same PT.	9.7	17.9	13.6	C4°
10+00	2.70	19.90	10.39	17.20	13.2	C4°
+50			3.6	16.3	12.5	C3½
11+00			3.9	16.0	11.9	C4°
+50			3.8	16.1	11.2	C4°
12+00			4.8	15.1	10.6	C4½
+50			5.5	14.4	09.9	C4½
+85 +83	Δ = 92°24'LT 90° BEND = 15'W'ly WABASH FREEWAY	E	5.9	14.0	09.4	C4½
+85		S	5.8	14.1	09.4	C4°
+90			5.9	14.0	09.6	C4°

WABASH STKS & GRDS MARTIN AVE FREEWAY TO 35TH ST FOR 6" WATER

19.90

13+13	F.H. Tee			5.5	12.4	10.4	C4.0
	(5) F.H.			5.15	14.75	15.3	FO.55 C4.3
13+50				4.1	15.8	11.7	C4.1
14+00				2.0	17.9	14.3	C3.6
P	12.20	31.25		0.85	19.05		
+50				9.6	21.7	18.6	C3.1
15+00				2.2	29.1	24.6	C4.5
P	12.90	44.05		0.10	31.15		
+50				9.6	34.5	29.6	C4.9
16+00				7.2	36.9	33.0	C3.9
+50				5.2	38.9	35.2	C3.5
17+00				4.0	40.1	36.8	C3.3
+50				2.7	41.4	38.0	C3.4
18+00				1.55	42.5	39.2	C3.3
P	5.12	48.81		0.36	43.69	41.5	
+50				4.2	44.6	44	C3.1
+82.40							
+80	6" Tee		S.	2.0	46.8	42.2	C4.6
			E	0.5	48.3		C6.1
+82±							
19+00				3.8	45.0	39.2	C6.0
P +02±	F.H. Tee	35.65		4.65	44.3	38.5	C5.8
+50	0.00			13.16	35.65	29.8	C4.2
				1.7	34.0		
+75				9.5	28.2	24.0	C4.2
P							
20+00	11.73	34.50		12.88	22.77	20.3	C2.5

(5) F.H. 44.8 4.0 43.6 grd C12 C6.3

35TH ST MARTIN AVE TO FLORENCE (Cont'd)

		32.50			
20+25		12.6	21.9	18.5	C34
+50		12.7	21.8	18.2	C36
+75		12.8	21.7	18.2	C35
21+00		12.1	22.4	18.9	C35
+25		10.2	24.3	21.0	C33
+50		8.0	26.5	23.7	C28
22+00	13.28	47.39 0.39	34.11	32.2	C19
+25		8.3	39.1	37.0 ~~38.0~~	C21
+50		3.75	43.64	40.0 ~~40.6~~	C36
+75		2.1	45.3	42.2	C31
23+00	9.4	56.07 0.73	46.66	43.6	C31 ✓
+50		2.1	49.0	46.5	C25
23+~~88~~ 80.3	END WORK	4.6	51.5	48.3	C32
CL BM		5.18	50.89 =	50.90	BP Nor Curb FLORENCE FB 852-pg.

WAT. METS. 8/24/53

3+23 E	H. 79.01	6.9	72.1	69.8	C23 551 35TH ST
4+43 S	"	11.5	67.5	67.2	C03 610 35TH ST
4+73 N	"	11.3	67.7	66.4	C13 3484 VALLE AVE
4+73 S	"	12.9	66.1	66.0	C01 3485 " "
5+50 N	H. 66.23	3.2	63.0	63.2	FO2 3471 " "

WAT. MET.S CONT'D

	66.23			
5+88 N	"	4.6	61.6	61.5
6+04 S	"	5.9	60.3	59.9
6+34 S	"	8.6	57.6	57.0
6+50 N.	"	9.8	56.4	55.2
6+87 S	℄ 53.35	3.4	50.0	48.5
7+45 S.	" 40.85	0.0	40.9	39.3
7+47 N.	"	1.1	39.8	39.5
7+81 N.	"	5.6	35.5	33.9
7+93 S	"	9.5	31.4	31.6
8+30 S	℄ 27.59	1.3	26.3	26.5
8+45 N	"	1.4	26.2	25.2
9+05 S	"	.35	20.1	20.0
	℄ 19.90			
13+03 S	(23rd So & ST.)	5.7	14.2	15.1
13+20 N	℄ "	5.2	14.7	15.7
13+58 N	"	4.1	15.8	16.0
13+71 S	"	3.6	16.3	16.1
14+02 N	"	2.0	17.9	18.0
14+52 S	℄ 31.25	9.2	22.1	21.8

8/24/53

CO¹	3468. VALLE
CO⁴	3465 "
CO⁶	3459 "
C/²	3456 "
C/⁵	3451 "
C/⁶	3445 "
CO³	3444 "
C/⁶	3434 "
FO²	3435 "
FO² ✓	3427 "
C/°	3422, 3428 "
CO¹	3419 VALLE
FO⁹	3411, 3411½ MARTIN
F/°	3416 Martin
FO²	3422 "
CO²	3419 "
FO¹	3428 "
CO³	3443 "

	31.25					
14+55 N	"	8.4	22.9	21.8	C1	3438 Martin
15+16 N	K 44.1	11.5	32.6	30.1	C2	3441 "
15+92 S	"	7.9	36.2	35.9	C3	3461 "
16+30 S	"	5.9	38.2	37.8	C4	3463 "
17+19 N	"	+33	47.4	42.4	C5	3476 "
18+18 N	K 48.81	1.9	46.9	47.1	F0	3492 "
19+25 E	"	8.8	40.0	41.2	F1	35 7th
21+60 W	K 47.39	10.75	36.64	37.6	F1	730 "
21+66 E	2-Mets. K 32.50	6.6	27.9	37.4	F9	? address.

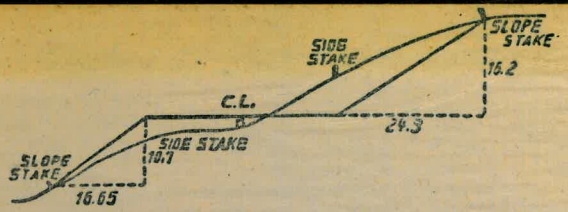
CHESTERTON STANDPIPE
ELEVS TAKEN ON TANK FOUNDATION PREVIOUS TO FILLING WITH WATER

JUNE 26 1953
BEATTY
MARTEL
ALEXANDER

BM	0.225	452.045		451.82	on Ftg of Elev Tank
NOR ■			6.373	445.672	
NE			6.357	445.688	
NW			6.356	445.689	
WEST ■	3.33	448.705	6.373	445.672	
SW			3.020	445.685	
SOUTH ■			3.052	445.653	
SE	5.34	451.012	3.037	445.668	
EAST ■			5.350	445.662	
NOR ■	6.54	452.214	5.342	445.670	
CK BM	0.258	452.078	0.393	451.821 = 451.82	on Ftg of Elev Tank
NOR □			6.416	445.662	8/19/53.
P WEST □	2.223	447.884	6.417	445.661	
SOUTH □			2.240	445.644	
P	4.520	450.188	2.216	445.668	
EAST □			4.537	445.651	
P NOR □	6.846	452.510	4.524	445.664	
CK BM			0.687	451.823 = 451.820	

TELE Co
MR. PLA - W 8-6811
EXT 230

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



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1½ TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.20	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

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