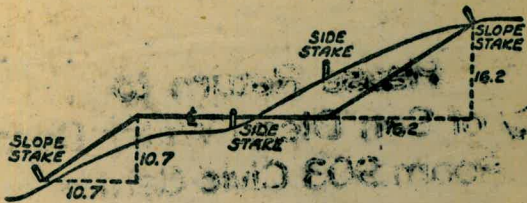


W/920



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

1.54
 3.88
 66



FILMED

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	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1
2	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	2
3	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20	3
4	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20	1.30	4
5	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20	1.30	1.40	5
6	0.60	0.70	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.50	6
7	0.70	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.50	1.60	7
8	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	8
9	0.90	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	9
10	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	10
11	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	11
12	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	12
13	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	13
14	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	14
15	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	15
16	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	16
17	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60	17
18	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	18
19	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	19
20	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	20
21	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	3.00	21
22	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	3.00	3.10	22
23	2.30	2.40	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20	23
24	2.40	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	24
25	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	25
26	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	26
27	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	27
28	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	28
29	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	29
30	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	30
31	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00	31
32	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00	4.10	32
33	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00	4.10	4.20	33
34	3.40	3.50	3.60	3.70	3.80	3.90	4.00	4.10	4.20	4.30	34
35	3.50	3.60	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.40	35
36	3.60	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	36
37	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	37
38	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	38
39	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	39
40	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	40
41	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	5.00	41
42	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	5.00	5.10	42
43	4.30	4.40	4.50	4.60	4.70	4.80	4.90	5.00	5.10	5.20	43
44	4.40	4.50	4.60	4.70	4.80	4.90	5.00	5.10	5.20	5.30	44
45	4.50	4.60	4.70	4.80	4.90	5.00	5.10	5.20	5.30	5.40	45
46	4.60	4.70	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	46
47	4.70	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	47
48	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	48
49	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	49
50	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	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.

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

FOR EXTERNALS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.032	.035	.039	.043	.047	.051	.055
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	.036	.046	.056	.065	.074	.083	.093	.106	.120	.127	.135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.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	.618	.707	.797	.887	.977	1.07	1.18	1.29
80°	.110	.220	.332	.445	.558	.671	.787	.903	1.02	1.13	1.25	1.38	1.50	1.62
85°	.128	.259	.391	.524	.657	.790	.926	1.06	1.20	1.34	1.47	1.62	1.76	1.91
90°	.149	.299	.450	.603	.756	.910	1.07	1.22	1.38	1.54	1.70	1.87	2.03	2.20
95°	.174	.350	.522	.706	.885	1.06	1.25	1.43	1.62	1.80	1.99	2.18	2.38	2.58
100°	.200	.401	.604	.809	1.01	1.22	1.43	1.64	1.85	2.06	2.28	2.50	2.73	2.96
110°	.268	.536	.806	1.08	1.35	1.63	1.91	2.20	2.48	2.76	3.05	3.35	3.66	3.96
120°	.360	.721	1.08	1.45	1.82	2.19	2.57	2.95	3.33	3.72	4.11	4.50	4.91	5.32

- 52nd ST., EL CADON TO TROJAN @ STK'S 6RD 8" A.C. MAIN 1-2 ✓
- ALLEY BLK 3 - E. OF MENLO; DWIGHT TO MYRTLE @ STK'S 6RD 6" A.C. MAIN 3-4 ✓
- LEMONA ST.; LANDIS TO STERLING CT. @ STK'S 6RD 6" A.C. MAIN 5 ✓
- ALLEY BLK 2 - E. OF 46th; DWIGHT TO MYRTLE @ STK'S 6RD 6" A.C. MAIN 6-7 ✓
- THORN ST. SALLEY E. OF CHAMOUNE (TO ALLEY E. OF MENLO) @ STK'S 6RD 6" A.C. MAIN 8-9 ✓
- MEADE ST.; 53rd ST. WLY 300 @ STK'S 6RD " " " 10 ✓
- GAGE DR.; CHARLES ST. SLY 450' @ STK'S 6RD 11 ✓
- WATER METERS - VENICE & NEWPORT ST. 12 ✓
- GUY ST.; CONTS ST. SLY 200' @ STK'S 6RD 13 ✓
- HANCOCK ST.; GAINES TO CAMINO DEL RIO @ STK'S 6RD 14 ✓
- 52nd ST.; UNION TO OTTILIE PL @ STK'S 6RD 8" A.C. MAIN 15 ✓
- THOMAS ST.; DANKS TO CASS @ STK'S 6RD 6" A.C. MAIN 16 ✓
- MORRELL ST.; PALM BCH. DR. TO REED - WATER METERS & FA 17 ✓
- HUGO ST.; CLOVE TO PLUM ST @ STK'S 6RD 18 ✓
- PLUM ST.; GARRISON TO HUGO ST. 6" A.C. MAIN 19 ✓
- RILEY ST.; CAUBY ST. TO MIDWAY DR. 6" A.C. MAIN 20 ✓
- CANTERBURY DR.; PALISADES RD. NLY 113' 4" A.C. MAIN 21 ✓
- TERALTA HGHTS " 2 - ALLEY BLK " E " (MANROE TO MADISON) E. OF WILSON - CONST. 22-23 ✓
- REX ST.; 52nd ST. WLY 245' @ STK'S 6RD 6" A.C. MAIN 24 ✓
- IONA ST.; WATER METERS 25-26 ✓

INDEX

ALLEY BLK. 51, N. of WIGHTMAN, E. of ALLEY	③ STK'S 4" GRD 6" A.C. MAIN	27-28 ✓	43 RD ST, DIVISION TO ETA	③ STK'S 4" GRD 6" A.C. MAIN	56-57 ✓
ALLEY BLK. 137, N. of QUINCE, E. of 40	③ STK'S 4" GRD 6" A.C. MAIN	29 ✓	63 RD ST, EL CADEN TO CHOCTAW - METERS		58 ✓
GATE VALVE ELEV. MACAULEY & PLUM		30 ✓	WALNUT ST, IBIS TO JACKMAN	③ STK'S 4" GRD 6" A.C. MAIN	59 ✓
MYRTLE ST, ALLEY E. of NILE TO ALLEY W. of NILE	③ STK'S 4" GRD	31 ✓	UNION ST, PALM TO OLIVE	③ STK'S 4" GRD 4" A.C. MAIN	60 ✓
ALLEY BLK. 36 { N. of Madison E. of Iowa	③ STK'S 4" GRD 6" A.C. MAIN	32-33 ✓	SPRING ST, CURLEW TO DAVE	③ STK'S 4" GRD 6" A.C. MAIN	61 ✓
WATER METERS - LA JOLLA SHORES DR.		34 ✓	MISSOURI ST, JEWELL TO INGRAHAM	③ STK'S 4" GRD 6" A.C. MAIN	62 ✓
HARTFORD ST. - MILTON ST. SLY. 500	③ STK'S 4" GRD 6" A.C. MAIN	35 ✓	BOSTON AVE., 39 th TO 40 th	③ STK'S 4" GRD 8" A.C. MAIN	63-64 ✓
67 th & SARANAC - 6" A.C. STUB.		36 ✓	40 th ST, BOSTON AVE. TO ALLEY N. of	③ STK'S 4" GRD 6" A.C. MAIN	65 ✓
BACHMAN ST, LEWIS ST. NLY.	③ STK'S 4" GRD 6" A.C. MAIN	37 ✓	37 th ST, BOSTON AVE. TO NEWTON	③ STK'S 4" GRD 6" A.C. MAIN	66 ✓
BUSH ST, GOLDFINCH ST. ELY 432	③ STK'S 4" GRD 4" A.C. MAIN	38 ✓	QUINCE ST, 5 th AVE. TO 6 th AVE	③ STK'S 4" GRD 6" A.C. MAIN	67 ✓
FRONT ST, WASHINGTON ST, SLY. 165	③ STK'S 4" GRD 4" A.C. MAIN	39 ✓	7 th AVE, CEDAR TO DATE	③ STK'S 4" GRD 6" A.C. MAIN	68 ✓
IBIS ST, BUSH TO SUTTER - STK'S 4" GRD	6" A.C. MAIN	40 ✓	REDWOOD STANDPIPE DRAIN 16" DRAIN REALIGN.		69 ✓
IVY ST, UNION TO STATE - STK'S 4" GRD	6" A.C. MAIN	41 ✓	OSARK ST, WATER METERS		70 ✓
MALDEN ST, COLLINGSWOOD TO LAMONT - 2" 4" 8" A.C. MAIN	STK'S 4" GRD	42-45 ✓	BOSTON AVE, 39 th TO 30 th	③ STK'S 4" GRD 8" A.C. MAIN	71-72 ✓
MANMOUTH ST, JEWELL ST. WLY. STK'S 4" GRD	6" A.C. MAIN	46-47 ✓	BOSTON AVE., 35 th TO WABASH	③ STK'S 4" GRD 6" A.C. MAIN	73-74 ✓
OSBORN ST, MARNEVIEW DR. TO DALBERGIA	STK'S 4" GRD 6" A.C. MAIN	48 ✓	GRADES FOR LOWERING 12" C.I. LINWOOD & WITHERBY		75 ✓
DALBERGIA ST, YAMA TO DIVISION - STK'S 4" GRD	6" A.C. MAIN	49-50 ✓	WATER METERS & VALVES - NIXES ST, REED TO BERYL		76-77 ✓
VALLE ST, 35 th TO WABASH - WATER METERS		51-52 ✓	" " " MISSOURI ST, OLNEY TO NIXES		78 ✓ alice
JEWELL ST, BERYL TO MONMOUTH - ③ STK'S 4" GRD	6" A.C. MAIN	53 ✓	HORN BLEND + NOVES EI TOP EXISTING GV STEM		79 ✓ alice
ALLEY - CONGRESS HGHTS. ADD. - JEWELL TO KENDALL	③ STK'S 4" GRD 6" A.C.	54-55 ✓			

52nd ST.
 EL. CANYON TO TROJAN
 ⑤ STK'S & GRD.
 8'A.C. MAIN.

8/16/55
 SHORRY
 MARTEL
 KEMP
 HOLAHAN

①

CK.B.M.		4.55	327.60	= 327.55
6+71 E.H. TER		9.1	322.1 322.5	320.4
⑤		9.5	322.1 322.7	
6+75 G.V.		8.1	322.3 323.5	320.6
7+00	A	6.7	324.9 325.5	321.7
7+25		5.3	326.9 326.3	322.8
7+50 TP 183	332.85	3.5	328.7 328.7	325.0
7+75		13.30	329.7 330.32	327.2
		12.1	329.9 331.5	
8+00		8.7	334.9 334.3	331.4
TP	0.78	12.82	342.2 342.84	
8+50		12.8	342.3 342.9	339.0
9+00		4.4	351.3 350.7	345.6
TP	0.58	13.25	354.48 355.08	
9+50		8.8	359.5 359.9	350.0
9+75		5.8	362.5 362.9	352.1
10+00		4.3	363.4 364.0	353.3
10+25		4.0	363.7 364.3	354.5
10+50		4.8	363.5 362.9	355.2
11+00		6.9	361.0 360.8	355.6
11+25		7.0	361.3 360.7	356.0
11+40 E.H. TER		7.3	361.0 360.4	356.1
11+44 ⑤ G.V.		7.7	362.3 360.9	360.6
11+50		7.4	362.3 360.9	356.1
12+00		7.6	360.7 360.1	356.2
12+50 A PIPE 12' EAST & ST.		7.6	360.7 360.1	356.2

368.33
 367.73

P.K. NAIL IN TEL. POLE 554561 S.W. COR. TROJAN'S
 52nd

C2¹ 2²
 2³
 C1² F1² F1⁶ PIPE 12' EAST & ST.
 C2² 2²
 C3² 3²
 C3⁵ 4¹
 C3¹ 3²
 C3² 4³
 C2² 3⁵
 C3² 3²
 C4² 5⁵
 C4² 9⁵
 C4² 10¹
 C10² 10²
 C4² 2²
 C4² 8³
 C4² 5²
 C4² 5³
 C4³ 1²
 C4² C0⁷ C4⁵ C0³
 C4² 4⁸
 C4² 4⁸
 C3² 4⁵
 C3² 4⁵

13.2
 12.3
 11.7
 87

PIPE 12' EAST & ST.

52nd ST,
(CONT'D)

2

13+00	↑	6.4	361.9 361.3	358.0	C_{22}^3
13+25		5.4	362.9 362.3	359.0	C_{22}^3
13+50 END WOOD	} 8" x 6" REDUCE BY CITY	4.0	364.3 363.7	361.4	C_{22}^3 + C_4^3 PIPE 4' EAST E ST.
		2.97	368.33 367.73	364.76	
		1.87	378.28 377.68	376.41	
		13.33	375.87		
B.M.	2.91		389.74 389.14	386.23 386.83	

NOTE:
(B.M. ON "D" SHEET IN ERROR 0.6)
B.P. S.W. COR. 51ST & EL CAJON BLVD. (3149-D)

WATER METERS

7+88 W		8.4	335.2 334.55	334.17	C_{05}^5
7+64 W		0.8	331.4 330.73	331.3	F_0^5 C_{05}^5 "4308"
9+23 W		9.8	358.5 357.73	352.2	C_{02}^6 C_{02}^6 "4322"
10+88 W		5.2	363.1 362.53	360.0	C_{25}^3 C_{01}^1 "4340"
11+40 W		6.6	361.7 361.13	360.5	C_{06}^2 C_{01}^1 C_{01}^1
13+02 W		5.0	363.3 362.73	363.2	C_{05}^5 C_{01}^1

METERS 20^S FROM E ST.
F.H. SET 19^S FROM E ST.

ALLEY BLK 3
 EAST OF MENLO - DWIGHT TO MYRTLE
 @ STR'S & GRD

8/17/55
 SHOREY
 KEMP
 MARTEL
 HILLOHAN

3

B.M.	4.20	344.17	339.97		N.W. B.P. 47 th & DWIGHT
0+80 BEGIN WORK		5.6	338.6	334.7	C3 ² ± NOT MARKED
1+00		4.1	340.1	334.7	C5 ²
1+50		5.1	339.1	333.8	C5 ³
2+00		6.6	337.6	332.2	C5 ⁴
2+50		7.7	336.5	331.0	C5 ⁵
3+00		9.3	334.9	329.7	C5 ²
TP	0.10	334.95	9.32	334.85	
3+50		1.3	333.7	328.5	C5 ²
4+00		2.3	332.7	327.3	C5 ⁴
4+50		3.8	331.2	326.0	C5 ³
5+00		5.3	329.7	324.7	C5 ⁰
5+50		7.3	327.7	322.7	C5 ⁰
6+00		10.0	325.0	319.0	C6 ⁰
6+50		14.4	320.6	314.4	C6 ²
6+67 ⁵ EXISTING G.V.		16.8	318.2	312.3	C5 ² ±
TP	9.59	344.06	0.48	334.47	
CK. BM		4.08	339.98	= 339.97	

ALLEY BLK 3
CONT'D

4

344.17
WATER METERS

334.95

0+85 W.	5.4	338.8	339.0	F0 ²	1+99 E.	5.3	329.7	328.6	C1 ¹
0+87 E.	4.5	339.7	339.0	C0 ²	5+02 W.	5.5	329.5	329.5	C1 ⁰
1+47 E.	5.2	339.0	337.4	C1 ⁶	5+28 E.	5.9	329.1	327.7	C1 ⁴
1+49 E.	5.1	339.1	337.3	C1 ⁸	5+63 W.	7.5	327.5	325.8	C1 ²
1+54 W.	4.8	339.4	337.1	C2 ³	5+65 W.	7.8	327.2	325.7	C1 ⁵
1+85 E.	6.0	338.2	336.5	C1 ²	5+86 E.	8.9	326.1	324.1	C2 ⁰
1+96 W.	6.6	337.6	336.2	C1 ⁴	6+35 E.	12.8	322.2	318.8	C3 ⁴
2+11 E.	7.0	337.2	335.9	C1 ³					
2+18 E.	7.3	336.9	335.6	C1 ³					
2+56 E.	7.9	336.3	334.7	C1 ⁶					
2+56 W.	8.3	335.9	334.7	C1 ³					
3+05 E.	9.3	334.9	333.5	C1 ⁴					
3+10 W.	0.4	334.6	333.3	C1 ³					
3+59 E.	1.1	333.9	332.1	C1 ⁸					
3+65 W.	1.1	333.9	331.9	C2 ⁰					
4+05 E.	2.4	332.6	331.0	C1 ⁶					
4+61 W.	4.5	330.5	329.5	C1 ⁰					
4+69 E.	4.4	330.6	329.3	C1 ³					

334.95

LEMONA ST.

LANDIS TO STERLING CT.

⑤ STK'S & GRD.

8/22/55

SHOREY
MARTEL
KELLHOFER
HOLAHAN

5

TBM.	8.59	312.60		304.01	
	11.41	323.95	0.06	312.54	
	③LT		0.6	323.4	
0+30	③RT		1.2	322.8	318.2
0+53	04 ③LT		1.0	323.0	
	B.C.		1.3	322.7	316.9
	③RT				
0+75			1.9	322.1	315.4
1+00			4.1	319.9	313.8
1+25			5.8	318.2	312.2
1+50			7.5	316.5	311.7
1+76	53 E.C.		10.3	313.7	309.4
					309.0
2+00	11		10.8	313.2	308.0
	1.89	312.79	13.05	310.90	307.4
2+50			2.5	310.3	304.9
					304.3
3+00			5.6	307.2	301.9
					301.0
3+50			7.7	305.1	298.7
					297.8
3+62	6" X 6" TEE		7.5	305.3	297.9
					297.7
3+62	10' RT. 22 1/2 BEND.		8.9	303.9	297.9
					297.1
3+62	38' RT. STUB.		9.6	303.2	297.9
					297.7
3+81	B.O. ASSY.		8.4	304.4	296.6
					295.9
CK. TBM.			8.79	304.00 = 304.01	

TBM NAIL IN P.P. 50 W. LEMONA & STERLING CT.

C52 ±

C46 ±

NOT MARKED

C61

C58

C63

C61

C60

C48

C42 C43

C52 52

C60 51

C62 53

C43 64

C42 74

C43 60

C61 53

C45 78

WATER METERS

1+48 E.	323.95	6.3	317.7	316.2	C15
2+03 E.		10.0	314.0	311.8	C12 C22
3+71 E.	312.79	66.71	245.7	301.3	C41 C42
4+02 E.		8.5 81	300.2	299.4	C42 C42
			303.7		
			304.3		

METERS SET 10⁵ LT. 9

"3679"

"3659"

"3647"

ALLEY BLK 2
E. of 46th, DWIGHT TO MYRTLE
③ STR'S of GRD.

8/24/55
SHOREY
MARTEL
KELLHOFER
HOLAHAN

B.M.	113	341.10	339.97	N.W.B.P. 47 th of DWIGHT ST.
0+80			5.1 336.0	331.2 CA ² NOT MARKED
1+00			5.4 335.7	331.0 CA ²
1+50			6.9 334.2	329.6 CA ⁶
2+00			8.0 333.1	328.2 CA ²
2+50			10.0 331.1	326.6 CA ⁵
3+00	④ LT.		12.0 329.1	324.4 CA ²
	TP 1.65	329.40	13.35 327.75	
3+50	⑤ LT		3.4 326.0	321.7 CA ³
3+75			5.2 324.2	320.4 CA ³
4+00			6.7 322.7	318.7 CA ⁰
4+25			8.7 320.7	317.1 CA ⁶
4+50			11.0 318.4	314.7 CA ²
SET TBM	13.20	329.47	13.13 316.27	
	12.45	341.15	0.77 328.70	
CK. BM			1.20 339.95	= 339.97
4+75 TBM	4.70	320.97	6.5 316.27	310.1 CA ⁴
			314.5	305.0
5+00			9.6 311.4	306.2 CA ⁵ CA ⁴
	TP	1.28	13.10 307.87	301.0
5+25			2.2 307.0	282.4 CA ⁴ CA ⁰
5+37 ⁵			5.2 304.0	299.0 CA ³ CA ⁰
			300.2	287.2
5+50			9.7 299.5	295.6 CA ² CA ²
	TP 0.99	297.81	12.33 296.82	296.6
5+62 ⁵			3.5 294.3	290.0 CA ² CA ²
				291.8
5+75			2.4 288.4	294.0 CA ²

NAIL IN P.P. 4+70 15' ET.

2.6
x
4.5
x
6.9
x
10.4
x
4.5
x
9.6
x

(CONT'D)

7

		297.81				
TP	6.55	291.78	12.58	285.23		
5+92	22 1/2	VERT. BEND.	10.3	281.5	277.9	C36
						11.2
						X
6+00			11.5	280.3	277.4	C33
						11.5
						X
6+25			12.6	279.2	275.7	C35
						13.0
						X
6+37 ⁵			12.7	279.1	275.7	C34
						12.9
						X
6+50	⑤ LT		12.9	278.9	276.6	C32 C23
			13.3	278.5	277.0	C32 C12
6+62.5	⑥ RT		12.9	279.9	277.5	C23
			5.2	286.6	280.6	C62
6+84	22 1/2	VERT. BEND.	0.60	291.18		
	TP 11.02	302.20				5.2
7+00	⑤ RT		8.8	293.4	288.6	C44 C48
					290.0	
						9.2
						X
7+12 ⁵			9.0	299.2	295.0	C42 C42
	TP 13.28	315.19	0.29	301.91	298.9	
						4.2
						X
7+25			9.5	305.7	302.0	C32 C32
					302.5	
						9.9
						X
7+52 [±]	6" G.V. BY CITY		1.9	313.3	307.8	C55 [±]
OK.BM			0.76	314.43	314.44	
						3.8
						NAIL IN PIP. MYRTLE & ALLEY BLK 2

WATER METERS

341.10

0+86 W.			5.3	335.8	335.3	C05
1+18 E.			6.1	335.0	334.4	C06
2+25 E.			8.9	332.2	331.4	C08
2+74 W.			11.7	329.4	329.4	C09
2+82 E.			11.1	330.0	328.8	C12
3+06 W.	329.40		13.1	328.0	327.9	C07
3+46 E.			3.1	326.3	325.9	C04
3+92 E.			6.1	323.3	323.8	C02
4+38 E.	320.97		9.7	319.7	320.9	F12
4+85 E.	309.15		8.6	312.4	312.3	C01
5+57 E.			12.3	296.9	297.3	F08

THORN ST,
 ALLEY E. of CHAMOUNE TO ALLEY E. of MENLO
 (3) STRS. of 622. FOR 6" A.C. MAIN

8/24/55
 SHOREY
 MARTEL
 HOLOHAN
 KELLHOFER

8

B.M.	1.65	334.61	332.96	N.W.B.P. THORN & CHAMOUNE (12328-6)				
0+12 ⁵	6" X 6" CROSS		5.1	329.5	325.5	C4 ⁰		
0+16	G.V.		5.3	329.3		C3 ⁸		
0+50			6.2	328.4	324.9	C3 ⁵		
1+00			8.6	326.0	321.1	C4 ²		
1+50			11.3	323.3	316.4	C6 ² ?		
2+00			13.3	321.3	314.4	C6 ²		
2+15	TP F.H. TEE 0.29	321.56	13.34	321.37	312.7	C7 ⁶	C3 ² C9 ⁸	
2+50			11.7	320.3	308.9	C9 ²		H.I. = 55
3+00	TP 0.24	308.68	12.1	309.5	303.4	C6 ²		H.I. 309.5
			13.12	308.44			1.77	305.27
3+44	6" X 6" CROSS		5.2	303.5	298.5	C2 ²		7.7 303.6 C5 ^L
3+50			5.2	303.5	298.2	C5 ²		7.6 303.7 C5 ⁵
	TP 0.97	296.87	12.78	295.90			TP 0.57	298.88 12.96 298.31
4+00			6.1	290.8	295.7	F1 ²		7.9 291.0 F2 ²
4+50			13.1	283.8	294.3	F1 ²		12.9 286.0 F8 ²
					294.7			
4+75			6.3	290.6	293.5	C2 ⁶		8.3 290.6 F3 ⁶
					294.2			
5+00			0.3	296.16	294.2	C7 ²		3.1 295.8 C1 ^L
	TP 10.46	307.05	0.28	296.59	294.7			1.15 297.73 = 297.72
5+37 ⁵			7.2	299.9	295.4	C4 ⁵		OK.BM
5+47	F.H. TEE		6.5	300.6	295.7	C4 ²		
			7.6	299.5		C3 ⁸	C0 ²	REPLACED 11/1/55 F0 ⁴ C3 ⁴
5+50			6.2	300.9	295.8	C5 ^L		
6+00			4.2	302.9	297.0	C5 ³		
6+50			6.8	300.3	294.2	C6 ^L		
6+70	G.V.		7.2	299.2	293.0	C6 ²		
6+76	6" X 6" CROSS		8.2	298.9	292.7	C6 ²		
			8.4	298.7		C6 ²		

Restaked
 7-10-56
 FB 924-42

(CONT'D)

9

308.68

3+44 30' So. STUB 3.7 305.0 298.6 C6⁴

307.05

6+75 45' Nor. STUB 9.1 298.0 292.5 C5⁵

6+75 30' So. STUB 8.0 299.1 292.9 C6³

OK. B.M.

6.24 300.81 = 300.82

NAIL IN P.D. ALLEY E. of MENLO

WATER METERS

334.61

0+47 N. 5.1 329.5 329.2 C0³

1+06 S. 8.0 326.6 326.3 C0³

327.0

C0³

30⁵ LT.
10⁵ RT.

3 1+14 N. 9.0 325.6 324.8 C0⁸

321.56

3 2+65 S. 6.5 315.1 311.3 C3⁸

315.9

C4⁶

307.05

4 5+78 N. 5.2 301.9 300.6 C1³

MEADE ST.
53rd ST. E. 300'
⑤ STR'S # 6RD

8/26/55
SHOBEY
MARTEL
KELLHOFER

BM	13.23	403.18	389.95	
0+30			11.1 392.1	386.4
0+35 G.V.			11.0 392.2	386.6
0+40 F.H. TEE			10.6 392.6	387.1
⑤			9.1 394.1	
0+50			10.0 393.2	387.9
0+75			8.2 395.0	389.8
1+00			6.3 396.9	391.3
1+25			5.7 397.5	392.6
1+50			5.0 398.2	393.0
1+75			4.9 398.3	393.4
2+00			5.2 398.0	393.4
2+50			5.3 397.9	393.3
3+00			6.1 397.1	392.4
3+35 [±] 2" B.O. Assy			6.4 396.8	391.9

S.E. CORN. MON. MEADE & 53rd
C52
C52
C52
C5
C7C C2³ 391.8
C5³
C5²
C5⁶
C4⁹
C5²
C4²
C4⁶
C4⁶
C4²
C4²

WATER METERS
403.18

1+60 N.			4.8 398.4	397.1
2+06 S.			5.4 397.8	397.1
2+62 S.			5.8 397.4	396.7

C1³
C0²
C0²

GAGE DRIVE

CHARLES ST. SLY. 450'
③ STK'S 1/2 GRD 6" A.C. MAIN

TBM	9.54	236.29		226.75	
0+20	CONN. TO EXIST. 6" A.C.	10.7	225.6		222.2
0+50			9.7	226.6	222.5
1+00			8.6	227.7	223.1
1+25			7.9	228.4	223.3
1+50			6.9	229.4	224.7
2+00			4.1	232.2	227.7
2+50			0.2	236.1	230.6
TP	12.09	248.20	0.8	236.11	
3+00			8.2	240.0	234.6
3+50			5.5	242.7	236.5
3+75			4.2	244.0	238.0
4+00			3.2	245.0	239.5
4+50			0.6	247.6	242.6
4+63	X FT. 5° LT.		0.0	248.2	243.4
TP	10.48	258.42	0.26	247.94	
4+88	6" G.V.		9.1	249.3	244.9
TP	6.97	264.72	0.67	257.75	
CK TBM.			2.10	262.62 = 262.60	

WATER METER

1+88 ELY. 236.29 3.9 232.4 231.0

9/6/55

SHOREY
KEMP
HOLAHAN

11

TBM 2" I. PIPE CHARLES ST. 1/4 GAGE DR.

C3¹ NOT MARKEDC4¹C4⁶C5¹C4⁷C4⁵C5⁵C5⁴C6³C6²C5⁵C5²C4⁸C4³

NOT MK'D

TOP F.H. GAGE DR. 1/4 GAGE PL.

C1⁴

(SET 52' LT)

WATER METERS
VENICE & NEWPORT

9/6/55
SHOREY
KEMP
HOLAHAN

12

BM 11.70 229.42 217.72

SWBP VENICE & NIAGRA ST.

TP 6.19 235.31 0.30 229.12

4.9 230.4 230.2 C02

2 WAT. MET. SET SELY COR. VENICE &
NEWPORT 25' BEHIND CB.

4.6 230.7 C03

W.P.

CP 2.2 4.5 230.8 229.7 C1

1 METER ELY 35'

TP 2.08 228.56 8.83 226.48

CK BM 10.84 217.72 = 217.72

GLIN ST.

CONTS ST, SELY 200'
 @ STR'S & GRD. B.A.C. MAIN

BM	789	248.49	240.60
0+35		7.2	241.3 237.8
0+40	G.V. BY CITY	7.0	241.5 238.1
0+50		6.3	242.2 238.6
0+75		5.3	243.2 239.6
1+00		5.2	243.3 240.0
1+25		5.0	243.5 239.7
1+50		5.7	242.8 239.3
2+00		7.9	240.6 237.8
2+13 ⁸	END WORK	EXISTING G.V. B.O. 0 ³ LT. 85	240.0 236.6
CK. BM		789	240.60 = 240.60

WATER METERS
248.49

1+25 NLY	5.0	243.5	244.3
1+54 SLY	5.5	243.0	243.0
2+06 NLY	7.3	241.2	242.0

9/7/55
 SHOREY
 MARTEL
 KEMP
 HOLAHAN

13

MK'D CITY DATUM

NAIL IN P.P. JP. 2119 APPROX 2+20 8' RT

C3 ⁵	NOT MK'D	
C3 ⁴		
C3 ⁶		64
C3 ⁶		58
C3 ³		56
C3 ⁸		58
C3 ⁵		63
C2 ⁸		80
C3 ⁴⁺	NOT MK'D	

HANCOCK ST.

GAINES TO CAMINO DEL RIO
③ STR'S & GRD. 6" A.C. MAIN.9/8/55
SHOREY
MARTEL
KEMP
HOLAHAN

14

B.M.	5.04	8.01	2.97		
TP	4.54	7.23	5.32	2.69	
0+50			4.6	2.6	-2.4
1+00			4.4	2.8	-2.2
1+50			4.7	2.5	-1.4
2+00			4.5	2.7	-0.2
2+47 ² END WORK	B.O. ASSY.	4.0	3.2	0.5	
TP	5.81	8.17	4.87	2.36	
CK. B.M.			5.18	2.99 = 2.97	

WATER METERS
7.23

0+54 SLY			4.4	0.2.8	0.5	C/3
2+02 SLY			4.5	0.2.7	0.7	F/2

S.W. B.P. KHETZ & ROSEOBANS ST.

52nd ST.

UNIV. TO OTTILIE PL.

⑤ STR'S & GRD 8" A.C. MAIN

9/8/55
SHARKEY
MARTEL
KEMP
HOLAHAN

15

BM	2.55	317.87	315.32	N.W. B.P. UNIV. & 52 nd	2.78	318.10	315.32
0+62			2.7 315.2	312.0	C3 ²		
0+65 45° BEND			3.0 314.9	311.7	C3 ²		
0+75			3.4 314.5	310.8	C3 ²		
0+93 ²⁸ 45° BEND			4.3 313.6	308.6	C5 ²	BOTT. Ditch	8.2 309.9
1+00			4.6 313.3	307.6	C5 ²	" "	9.2 308.9
1+50			9.6 308.3	302.6	C5 ²	TP 178 308.49	11.39 306.71
2+00 TP	4.47	309.12	10.8 307.1	299.8	C7 ³	BOTT Ditch	5.9 302.6
2+50			13.22 304.65	298.4	C5 ⁵	" "	9.2 299.3
3+00			5.2 303.9	298.4	C5 ⁵	" "	9.9 298.6
3+50			5.6 303.5	297.6	C5 ²	" "	10.7 297.8
4+00			6.6 302.5	298.0	C4 ⁵	" "	10.7 297.8
4+50			5.8 303.3	299.0	C4 ³	" "	9.4 299.1
5+00			4.4 304.7	300.8	C3 ²	" "	7.9 300.6
5+29			3.2 305.9	302.7	C3 ²	" "	6.1 302.4
5+29 ²⁸ EXISTING 8" X 6" TEE			1.4 307.7	303.8	C3 ²		
TP	9.66	317.94	0.84 308.28				
CK. TBM	3.74	320.86	0.82 317.12				
			2.04 318.82	= 318.80			

WAT. MET.

309.12

4+13 W.

5.0 304.1 303.6 C0⁵Q CONC. MON. POLE & 52nd

THOMAS ST.
DAWES TO CASS.
⑤ STRK'S & GRD. 6" G. MAIN

9/12/55
SHOBBY
MARTEL
KEMP
HOLAHAN

16

TBM	2.62	21.37	18.75				S.E.F.H. THOMAS & DAWES	F.B. 909-14
0+80	CONN. EXIST. 6" G.I.		6.2	15.2	12.2	13 ⁰ +	Not MK'D.	
1+00			5.4	16.0	12.0	04 ⁰		
1+50			4.8	16.6	11.4	05 ²		
2+00			4.9	16.5	11.1	05 ⁴		
2+50			5.4	16.0	10.9	05 ¹		
3+00			5.7	15.5	10.7	04 ⁸		
3+50			6.5	14.9	10.4	04 ⁵		
TP	4.12	18.54	6.75	14.42				
4+00			4.2	14.3	10.2	04 ⁰		
4+50			4.7	13.8	10.0	03 ⁸		
5+00			5.1	13.4	9.7	03 ³		
5+50			5.5	13.0	9.4	03 ⁶		
END WORK								
5+80	CONN. EXIST. 6" G.I.		5.8	12.7	9.4	03 ³ +	Not MK'D.	
CK. B.M.			6.32	12.22 = 12.21			7' LGT CASS & THOMAS	

WATER METERS

0+84	2 METERS	21.37	5.0	16.4	15.6	00 ⁸	
1+71 N.		18.54	4.3	17.1	15.1	02 ⁰	"10.50"
4+00 N.			4.1	14.4	13.9	00 ⁵	
4+53 N.			4.5	14.0	13.6	00 ⁴	
5+16 N.			5.1	13.4	13.4	00 ²	

MORDELL ST.
 PAC. CO. DR. TO REED ST.
 WATER METERS & F.H.

BM	5.25	45.62	40.37			
	1.93	41.81	5.74	39.88		
	1.61	30.41	13.01	28.80		
	7.87	25.10	13.18	17.23		
0+00 E.			3.1	22.0	21.9	C1
0+83 W.			4.0	21.1	21.3	C02
1+63 W.			6.0	17.1	18.8	C03
2+24 W.			6.7	18.4	17.1	C13
3+60 E.			6.6	18.5	17.2	C13
3+77 W.			6.5	18.6	18.6	C02
TP	13.22	31.83	6.49	18.61		
3+99 E.			10.1	21.7	19.2	C25
4+01 W.			11.8	20.0	19.8	C02
4+35 W.			9.2	22.4	21.6	C12
4+49 E.			7.4	24.4	21.8	C26
5+94 F.H. EAST			3.7	29.1	26.0	C21
CK. S.E. END EXIST. CURB			5.80	26.03	=26.00	

S.E. 1/4 T. 14 N. R. 10 E. REED ST.
 N.E. 1/4 T. 14 N. R. 10 E. OLIVER

HUGO ST.
CLOVE TO PLUM
③ STR'S & 6" GED 6" A.C. MAIN

9/16/55
SHOEBY
MARTEL
KEMP
HOLSHAN

18

TBM	1.11	128.75	127.64	E. NAIL 0+50 ORIG. STA. F.B. 910-12	
0+00				121.8	
0+05	2" B.O. Assy		3.4	125.4	121.5 C38
0+50			9.9	118.9	114.5 C44
7P	0.70	116.83	12.62	116.13	
1+00			2.9	113.9	110.0 C38
1+50			5.4	111.4	102.6 C38
1+75			6.4	110.4	106.5 C39
2+25			7.6	109.2	105.5 C38
2+75			8.5	108.3	104.5 C38
3+00			9.0	107.8	103.6 C42
3+45	END OF WORK		9.5	107.3	102.0 C53
CK. TBM			8.94	107.89 =	107.90

SEEN. M. H. E. HUGO & PLUM ST. F.B. 910-10

WAT. METERS
128.75

0+05 NLY			3.7	125.1	124.7	F04
0+28 SLY			5.6	123.2	120.7	C25 C14
	116.83					
1+77 NLY			1.8	115.0	115.7	F03
1+14 NLY			4.3	112.5	113.1	F06
1+31 SLY			4.3	112.5	112.6	F02
1+82 NLY			5.8	111.0	109.9	C14
2+13 SLY			7.3	109.5	109.8	F03
2+52 NLY			5.9	110.9	108.8	C24
2+69 SLY			8.2	108.6	108.6	C02

METERS RESET BEHIND
CURB - 34' PAVED ST.

RILEY ST.
 CANBY TO MIDWAY DR
 (5) STR'S & SBD. 6" A.C. MAIN

9/20/55
 SHREY
 KEMP
 MARTEL
 HOLAHAN

END CURB S/L CANBY & W/L RILEY F.B. 902-37

TBM	5.18	7.47	2.29	
0+35 BEGIN WORK	5.5	2.0	-1.3	C3 ³ NOT MK'D
0+50	5.5	2.0	-1.2	C3 ³
1+00	5.4	2.1	-1.2	C3 ³
1+50	5.4	2.1	-1.2	C3 ³
2+00	5.6	1.9	-1.6	C3 ⁵
2+50	6.0	1.5	-1.8	C3 ³
2+75	6.0	1.5	-2.0	C3 ⁵
3+00	6.1	1.9	-2.0	C3 ⁴
3+50	6.4	1.1	-2.2	C3 ³
3+75 22 1/2° BEND (32° ANGLE)	6.6	0.9	-2.4	C3 ³
3+92 F.H. TEE	6.8	0.7	-2.5	C3 ²
(5)	6.5	1.0		C3 ⁵ FO ^L
4+00	6.9	0.6	-2.7	C3 ³
TAPPING G.V. BY CITY				
4+45 END WORK	6.5	1.0	-3.0	C4 ⁰ NOT MK'D
CK BM	5.18	2.29 = 2.29		

CANTERBURY DR.

MISSION VIEW PK & PALISADE RD.
 ③ STK'S & GRD 4" A.C. MAIN

BM	3.99	385.10	381.11	
TP	4.61	383.25	6.46	378.64
0+12	4" G.V. BY CITY		5.0	378.3
				374.8
0+50			5.2	378.1
				374.3
1+00			5.1	378.2
				374.8
1+25	END - 4" CAP		4.8	378.5
TP	6.27	385.21	4.31	378.94
CK. BM.			4.11	381.10 = 581.11

WATER METERS

0+59

9/21/55
 SHOEY
 MARTEL
 KEMP
 HOLOHAN

21

S.E.B.P. MARLBOROUGH & PALISADES RD.

C3² NOT MK'D

C3³

C3⁴

C3⁵

EXISTING METERS BEHIND CURB

" 4110 "

" 4104 " OFF END OF 4" A.C. MAIN

" 5374 "

" 5364 "

" 5358 "

TERALTA HEIGHTS No 2
 ALLEY BLK. "E"
 MONROE TO MADISON - E. OF WILSON ST.
 (45) STK'S & SED. 6" A.C. MAIN.

9/21/55
 SHOREY
 MARTEL
 KEMP
 HOLOHAN

22

B.M.						
	2.29	396.51		394.22	TOP F.H.	MONROE & WILSON ST.
0+60	6" G.V. By City		5.5	391.0	387.0	C4 ⁰ (NOT MK'D)
1+00			4.6	391.9	387.1	C4 ⁸
1+50			4.3	392.2	387.2	C5 ⁰
2+00			4.2	392.3	387.4	C4 ²
2+50			4.1	392.4	387.5	C4 ²
TP	3.91	397.92	4.50	392.01		
3+00			5.5	392.4	387.6	C4 ³
3+50			5.5	392.4	387.7	C4 ²
4+00			4.8	393.1	387.8	C5 ³
4+50			4.7	393.2	387.9	C5 ³
5+00			4.2	393.7	388.0	C5 ⁷
5+50			4.4	393.5	388.1	C5 ⁴
TP	4.14	397.28	4.78	393.14		
6+00			4.5	392.8	388.2	C4 ⁶
6+25			4.4	392.9	388.3	C4 ⁶
6+50			4.6	392.7	388.4	C4 ³
7+00			4.9	391.4	388.5	C2 ²
7+02	6" G.V. By City		4.9	391.4	388.5	C2 ² NOT MK'D.
			1.30	395.98 = 395.99		TOP F.H. WILSON & MADISON

WATER METERS
 396.57

0+88 E. 4.6 391.9 390.4 C/E

(CONT'D)

23

396.51

WATER METERS

397.92

0+77 W.	4.2	392.3	390.5	C18	4+80 W.	4.7	393.2	391.7	C15
0+99 E.	4.4	392.1	390.5	C16	4+83 E.	4.3	393.6	391.7	C19
1+45 W.	4.1	392.4	390.7	C12	5+26 W.	4.4	393.5	391.8	C12
1+48 E.	4.2	392.3	390.7	C16	5+28 E.	4.4	393.5	391.8	C12
1+64 W.	4.2	392.3	390.8	C15	5+81 E.	4.9	393.0	392.0	C10
1+70 E.	4.2	392.3	390.8	C15	5+85 W.	4.8	393.1	392.0	C14
2+31 E.	4.0	392.5	391.0	C15	6+24 W.	4.0	393.3	392.1	C12
2+46 W.	4.6	391.9	391.0	C02	6+56 W.	4.0	393.3	392.1	C12
2+63 W.	4.5	392.0	391.1	C02	6+87 W.	3.9	393.4	391.9	C15
2+80 E.	4.2	392.3	391.1	C12					
3+20 E.	5.5	392.4	391.2	C12					
3+43 W.	5.5	392.4	391.3	C1					
3+65 E.	5.2	392.7	391.3	C14					
3+72 E.	5.1	392.8	391.3	C15					
3+73 W.	5.1	392.8	391.4	C14					
4+16 W.	4.7	393.2	391.5	C12					
4+21 W.	5.0	392.9	391.5	C14					
4+28 E.	5.0	392.9	391.5	C14					
4+52 E.	4.7	393.2	391.6	C16					

397.92

397.28

REX AVE
52nd ST. WLY 245'
③ STK'S & GRD. 6" A.C. MAIN.

9/22/55
SHOREY
MARTEL
KEMP
HOLBMAN

29

TBM	3.06	338.30	335.24	S.E.F.H. 52 nd f REX AVE
0+17 BEGIN WORK	5.4	332.9	329.3	C36 (NOT MK'D)
0+22 6" G.V. BY CITY	5.5	332.8	329.3	C35
0+50	5.3	333.0	329.2	C38
1+00	5.0	333.3	328.6	C42
1+50	5.0	333.3	328.1	C52
2+00	5.5	332.8	327.5	C53
2+50	6.0	332.3	327.0	C53
2+93 2" B.O. Assy	6.9	331.4	326.4	C50
CK. TBM	3.06	335.24 = 335.24		333.3

WATER METERS
338.30

1+95 N.	6.0	332.3	331.8 331.0	C08 C05	"5120"
2+03 S.	5.4	332.9	332.1 331.4	C45 C08	"5151"
2+72 S.	6.1	332.2	330.9 330.7	C45 C03	"5141"

IONA ST.
WATER METERS

9/26/55
SHOREY
MARTEL
KEMP
HOLAHAN

25

BM	8.56	217.80		209.24					
TP	4.34	208.82	13.32	204.48					
0+17 F.H. E.			12.0	176.8	197.2				F0 ⁴
EXIST. G.V.			14.1	194.17	197.3				F2 ⁶
0+77 W.M.W.			5.1	203.7	202.2				C1 ⁵
1+02 E.			4.9	203.9	204.8				F0 ¹
TP	12.49	218.44	2.87	205.95					
1+20 W.			11.3	208.1	206.0				C2 ¹
1+53 E.			10.2	208.2	208.0				C0 ²
1+59 W.			7.9	210.5	209.2				C1 ³
2+03 E.			6.2	212.2	212.0				C0 ²
2+10 W.			4.1	214.3	213.2				C1 ⁴
2+58 W.			1.2	217.2	217.0				C0 ²
2+67 E.			1.7	216.7	217.3				F0 ⁶
TP	12.74	231.01	0.17	218.27					
3+04 W.			10.0	221.0	220.6				C0 ⁴
3+08 E.			11.2	219.8	220.0				F0 ²
3+66 E.			6.8	224.2	225.4				F1 ²
3+71 W.			4.1	226.7	226.4				C0 ⁵
TP	11.92	242.85	0.08	230.93					
4+15 W.			10.9	232.0	230.6				C1 ⁴
4+18 E.			13.3	229.6	230.6				F1 ⁰
4+68 W.			5.7	237.2	236.2				C1 ⁰
4+78 E.			6.8	236.1	236.8				F0 ²

LOT 2 MERLIN 3'S. of S.L. of KENWOOD (11972-1)

TOP STEM WATER METERS STD
20' E. & W. of E IONA ST.

IONA ST.
(CONT'D)

26

242.85

5+15 E.			3.1	239.8	240.5	F0 ²
5+27 W.			0.2	242.7	242.0	C0 ²
TP	13.28	256.01	0.12	242.73		
5+68 E.			11.8	244.2	245.3	F1 ⁴
6+23 E.			7.0	249.0	249.8	F0 ⁸
6+47 F.H. E. (5)			6.2	249.8	250.6	F0 ⁸
TP CK.BM			3.82	252.19		
TP	13.08	268.71	0.38	255.63	252.22	
7+40 W.M. W.			9.4	259.3	258.2	C1 ⁶
8+18 W.			3.5	265.2	264.3	C0 ²
TP	10.89	278.61	0.99	267.72		
8+77 W.			9.9	268.7	268.0	C0 ²
8+82 E.			10.9	267.7	267.8	F0 ²
9+10 W.			8.7	270.5	269.6	C0 ²
9+16 E.			8.7	269.9	269.6	C0 ²
9+58 W.			6.4	272.2	272.0	C0 ²
10+07 E. - OMIT						
10+47 W. - OMIT						
10+69 E. - OMIT						
10+94 W.			0.3	278.3	278.6	F0 ³
TP	11.08	266.39	13.30	265.31		
TP	11.46	256.74	11.11	255.28		
CK.BM			4.56	252.18	252.22	

TOP F.H. S.E. COR. BROOKLYN & IONA (11972-2)

WATER METERS STD
20⁵ W. & 20⁰ E. & IONA ST.

11973-1

11973-1

11973-1

ALLEY BLK 57
 NORTH WIGHTMAN, E. of 41ST
 (5) STK'S 6^{RD.} 6' A.C. MAIN

9/27/55
 SHARPEY
 MARTEL
 KEMP
 HOLDMAN

27

BM 1.68 348.77 347.09 N.W. P.P. MARLBOROUGH & WIGHTMAN

0+80 BEGIN WORK 5.6 343.2 337.5 C5⁷ ± NOT MKD
 TP 3.33 344.91 7.19 341.58

1+00 1.1 343.8 337.7 C6^L

1+25 1.8 343.1 337.8 C5³

1+50 3.7 341.2 336.2 C5⁰

2+00 6.9 338.0 333.1 C4²

2+50 8.0 336.9 332.9 C4⁰

3+00 7.1 337.8 334.0 C3²

3+50 11 1/4° VERT. BEND 5.8 339.1 335.0 C4¹
 TP 10.60 354.33 1.18 343.73

3+75 11 1/4° VERT. BEND 8.6 345.7 342.3 C3⁴

4+00 7.2 347.1 342.9 C4²

4+50 5.4 348.7 344.2 C4²

5+00 4.8 349.5 345.4 C4¹

5+50 (4³) 2.9 351.4 346.6 C4⁸

5+68^E END WORK (4⁵) 2.7 351.6 347.2 C4⁴ NOT MKD edge of existing CONC. PAVT

CK. TBM 2.67 351.66 = 351.62 TBM SPIKE IN P.P. 15' LT. 5+69 F.B. 905-6

WATER METERS
 344.91

1+27 W. 5.4 339.5 342.0 F2⁵

1+28 E. 1.9 343.0 341.9 C1^L

1+29 W. 4.9 340.0 342.0 F2⁰

3.4 350.9 E. ALLEY @
 5+68^E

ALLEY BLK. 51
(CONT'D)

WATER METERS
344.91

1+30 E.	2.8	342.1	341.9	C0 ²
1+65 E.	4.5	340.4	342.0	F1 ⁶
1+83 W.	7.4	337.5	342.2	F4 ³
2+04 E.	7.2	337.7	342.2	F4 ⁵
2+24 W.	10.4	334.5	342.3	F7 ⁸
2+64 E.	7.5	337.4	342.7	F5 ⁵
3+03 W.	6.5	338.4	343.8	F5 ⁴
3+15 E.	6.9	338.0	344.2	F6 ²
3+32 W.	4.6	340.3	344.6	F4 ³
3+57 E.	4.6	340.3	345.5	F5 ²
3+93 W.	7.7	346.6	346.8	F0 ²
4+05 E.	7.3	347.0	347.0	C0 ²
4+35 W.	5.2	349.1	348.2	C0 ²
4+92 W.	4.0	350.3	349.6	C0 ²
5+45 W. (NOT EXIST.)	3.1	351.2	350.8	C0 ⁴

354.33

ALLEY BLK. 137
 N. of QUINCE, E. of 40th
 (4) STR'S & GRD FOR G.A.C. MAIN

11/4/55
 SHREY
 MARTELL
 KEMP
 HOLOHAN

29

BM	6.29	309.26	302.97	
0+80	BEGIN WORK	4.5	304.8	300.6
1+00		4.7	304.6	300.2
1+50		5.6	303.7	299.3
2+00		6.7	302.6	298.3
2+50		7.5	301.8	297.3
2+75		8.1	301.2	296.7
3+00		9.0	300.3	296.1
3+25		10.3	299.0	294.7
3+50		11.3	298.0	292.3
3+75	TP 0.60	297.85	12.01	297.25
4+00		3.5	299.4	289.0
4+25		7.6	290.3	284.9
4+50	B.O. Assy.	8.4	289.5	284.2
4+75	TP 12.09	309.38	0.56	297.29
CK. BM.		6.43	302.95	= 302.97

N.W. B.P. 40th & REDWOOD ST.

C4³ NOT MKD

C4⁴

C4⁴

C4³

C4⁵

C4⁵

C4³

C4³

C5⁷

C5⁴

C5⁴

C5³

WATER METERS				
1+10 E.	309.26	4.6	304.7	304.9
5 1+36 W.		5.9	303.4	303.5
1+61 E.		5.8	303.5	302.9
1+96 E.		6.4	302.9	302.3
2+55 E.		7.6	301.7	301.1
3+08 E.		9.2	300.1	299.7
3+48 W.	297.85	11.8	297.5	296.3
4+00 W.		9.2	288.7	289.1
4+05 E.		8.0	289.9	288.3

NOTE: CK. GRD FOR MTR'S

(4+05 E. IS NEW HOUSE TO SOUTH)

GATE VALVE ELEV.
MACAULEY & PLUM

0+00 = WLY LINE PLUM

BM	8.27	95.49	87.22	
TP	3.66	98.54	0.61	94.88
0+41	G.V.	4 ⁵ RT. & ST.	2.30	96.24 94.80
0+45	G.V.	1 ⁵ RT. & ST.	2.00	96.54 94.60
0+85	G.V.	8 ⁷ RT. & ST.	2.25	96.29 92.34
CK. BM.			11.33	87.21 = 87.22

10/18/55

30

SHOREY
MARTELL
KEMP
HOLOHAN

S.W.B.P. PLUM & LOWELL

C2⁺

C1²

C4⁰

MYRTLE ST.
 ALLEY E. of NILE to ALLEY W. of NILE
 (3) STR'S & GED.

10/20/55
 SHOREY
 MARTELL
 KEMP
 HOLAHAN

310.36 31

TRM	4.12	319.92	315.78		Top F.H. @ ALLEY E. of NILE
0+06 ^Z			6.2 313.7	310.0	C3 ^Z NOT MK'D
0+10 G.V.			6.2 313.7	310.0	C3 ^Z
0+50			5.9 314.0	310.2	C3 ^B
1+00			5.5 314.4	310.6	C3 ^B
1+50			5.2 314.7	310.9	C3 ^B
2+00			4.9 315.0	311.2	C3 ^B
2+50			4.7 315.2	311.4	C3 ^B
3+00			4.5 315.4	311.5	C3 ^B
3+50			4.4 315.5	311.7	C3 ^B
3+83 END WORK			4.3 315.6	311.8	C3 ^B NOT MK'D
3+90 G.V. BY CITY (LIMIT)			4.3 315.6	311.8	C3 ^B NOT MK'D
OK. B.M.			5.35 314.57 = 314.56		S.E. B.P. NILE & MYRTLE

NOTE: & of pipe moved 10° RT.

& of pipe OK

NOTE: & of pipe moved 12° RT

& of pipe moved 15° RT.

To meet
 existing G.V.

WATER METERS

1+10 S.

METERS ARE AT
 EXISTING CURB GRADE

1+15 N.

2+67 N.

2+94 S.

3+20 N.

3+32 S.

ALLEY BLK. "36" NORMAL HEIGHTS
 NO. of MADISON, E. of IOWA ST.
 ⑤ STR'S & G.P.

10/20/55
 SHOREY
 MARTELL
 KEMP
 HOLOHAN

32

BM.	3.90	390.18	386.28				
0+60	BEGIN WORK		4.7 385.5	381.4	C4	NOT MK'D	NOTE: $\frac{1}{2}$ of pipe moved 2' RT.
0+75			4.1 386.1	381.4	C3		$\frac{1}{2}$ of pipe moved 125 RT
1+00			3.8 386.4	381.4	C5		$\frac{1}{2}$ of pipe OK
1+50			4.1 386.1	381.5	C6		
2+00			4.2 386.0	381.5	C5		
TP	4.09	390.18	4.09 386.09				
2+50			4.6 385.6	381.6	C4		
3+00			4.7 385.5	381.6	C3		
3+50			5.1 385.1	381.7	C4		
4+00	④		5.2 385.0	381.8	C3		
4+50	⑤		4.7 385.5	381.7	C6		
5+00			4.7 385.5	382.0	C5		
5+50			4.8 385.4	382.0	C4		
6+00			4.3 385.9	382.0	C2		
6+25	④		4.6 385.6	382.2	C3		
6+75	⑤		3.5 386.7	382.6	C4		NOTE: $\frac{1}{2}$ of pipe OK.
7+00	②		3.4 386.8	383.4	C4		$\frac{1}{2}$ of pipe moved 19 RT
7+11	G.V. BY CITY	①	3.0 387.2	383.8	C4	NOT MK'D	$\frac{1}{2}$ of pipe moved 225 RT
			3.1 387.1				
TP	4.88	390.22	4.88 386.34				To meet existing G.V.
CR. BM.			3.94 386.28 = 386.28				

(CONT'D)

WATER METERS
390.18

0+70 E.	4.3	385.9	384.9	C10
0+72 E.	4.2	386.0	384.9	C11
1+03 W.	4.1	386.1	385.2	C09
1+34 E.	4.2	386.0	385.0	C10
1+78 E.	4.0	386.2	385.2	C10
1+84 W.	4.1	386.1	385.2	C09
2+22 E.	4.6	385.6	385.3	C03
2+38 W.	4.3	385.9	385.3	C06
2+47 E.	4.8	385.4	385.3	C01
3+00 E.	4.6	385.6	385.4	C02
3+07 W.	4.5	385.7	385.3	C04
3+36 W.	4.4	385.8	385.3	C05
3+42 E.	5.1	385.1	385.4	F03
3+69 E.	4.9	385.3	385.4	F01
3+99 W.	5.1	385.1	385.4	F02
4+32 E.	4.9	385.3	385.5	F02
4+39 W.	5.1	385.1	385.5	F04
4+83 W.	4.7	385.5	385.6	F01
4+92 E.	4.6	385.6	385.6	C00

10/21/55
SHOREY
MARTELL
KEMP
HOLAHAN

33

390.18

5+29 W.	4.3	385.9	385.7	C02
5+35 E.	4.8	385.4	385.7	F03
5+80 W.	4.2	386.0	385.8	C02
5+82 E.	4.6	385.6	385.8	F02
6+24 E.	4.5	385.7	385.9	F02
6+38 W.	2.0	386.2	385.9	C03
6+77 W.	3.7	386.5	386.2	C03

HARTFORD ST
MILTON ST 3/4 500'
⑤ STKS & Grds set for
6" AC WATER

OCT 28 1955
BESTTY
MORTEL
KEMP
HOLAHAN

35

TBM	11.21	146.97	135.06	
0+80	Begin work	14.4	132.6	—
0+95	F.H. TEE	12.0	135.0	131.9
	⑤ F.H.	2.8	144.2	
1+00	⁵³ B.C.	11.2	135.8	132.2
1+25	⑤ RT.	7.7	137.3	133.8
	⑥ LT.	5.5	141.5	
1+50	"	3.4	143.6	135.5
1+75	"	2.4	144.6	136.2
1+97 ³⁸	EC	1.5	145.5	137.0
2+00		1.4	145.6	137.0
2+37 ⁵		0.4	146.6	137.4
	TP 4.55 151.16	0.36	146.61	
2+50		4.5	146.7	137.5
3+00		4.9	146.3	137.8
3+50		5.4	145.8	138.0
4+00		6.1	145.1	138.3
4+50		7.1	144.1	138.5
4+91	2" B.O.	7.6	143.6	138.7
	TP 0.79 146.26	5.69	145.47	
CK. TBM		11.19	135.07	= 135.06
	WATER METERS			
	146.97			
1+12E		3.2	143.8	136.5
2+55W.	151.16	6.2	145.0	141.3
3+39W.		6.9	144.3	141.7

1/2" I.P. PCC SW Cor Milton & Hartford

NOT MK'D

c3¹

c12³ c7⁸

c3⁶

c5⁵

c7²

c8¹

c8⁴

c8⁵

c8⁶

c9²

c9²

c8⁵

c7⁸

c6⁸

c5⁶

c4²

c7³

c3²

c2⁶

67th & SABANAL
6" A.C. STUB WLY. FOR PROPOSED
ST.

BM.	4.18	457.91		453.73	
TP	3.51	452.45	8.97	448.94	
0+00 = TEE ON P.C. ON 67 th ST.			5.1	447.4	441.7
0+05 G.V.			5.1	447.4	441.7
0+34 END OF STUB (WLY. LINE 67 th)			6.5	446.0	441.6
TP	8.75	457.85	3.35	449.10	
CK. BM.			4.10	453.75 = 453.73	

11/2/55
SHIBEY
MARTEL
KEMP
HOLMAN

S.W.P.P. 67th & EL. CADEN (2881.2)

C5¹

C5²

C5³

(RE-STAKED: 11-28-55)

BACHMAN ST.
LEWIS ST. NLY.
③ STR'S & GRD.

11-7-55
SHOREY
MARTELL
KEMP
HOLDHAN

37

B.M.	8.19	296.16	287.97		
0+17 6" XL TEE BY City			4.7 291.5	287.4	C1 [±] NOT MKD
0+23 G.V. BY City			4.4 291.8	287.6	C2
0+50			4.2 292.0	288.4	C3
1+00			5.2 291.0	287.7	C3 ^A
1+50			5.7 290.5	287.0	C3 ^E
2+00			6.5 289.7	286.4	C3 ^B
2+50			7.0 289.2	285.7	C3 ^F
3+00			7.5 288.7	285.0	C3 ^G
3+50			8.2 288.0	284.3	C3 ^I
3+55 END WORK			8.2 288.0	284.2	C3 ^H ± NOT MK'D
4+05 BEGIN WORK			9.4 286.8	283.4	C3 ^A ± NOT MKD
TP	1.23	287.97	9.42 286.74		
4+50			2.4 285.6	282.2	C3 ^A
5+00			3.4 284.6	281.8	C2 ^B
5+18 2" B.O.			4.5 283.5	280.3	C3 ^B
TP	8.20	295.75	0.42 287.55		
CK. B.M.			7.73 288.02	287.97	

WATER METERS

4+08 E.	287.97	0.9	287.1	286.9	C02
4+31 E.		1.3	286.7	286.7	C02 "4153"
4+61 E.		1.8	286.2	285.6	C02
4+83 E.		2.5	285.5	285.3	C03 "4165"
5+18 W.		2.8	285.2	284.3	C02 "4170"

NOTE: CK. GRD. FOR METERS

BUSH ST,
GOLDFINCH ST., ELY 340'
③ STR'S & GED.
4" A.C. MAIN

BM	2.13	262.13	260.00			
0+50	10" x 4" TAP SLEEVE (G.V. BY CITY)	2.7	259.4	256.0	C3 [±]	
0+75		3.5	258.6	255.2	C3 [±]	
1+00		4.4	257.7	253.8	C3 [±]	
1+50		8.6	253.5	249.6	C3 [±]	
2+00		12.7	249.4	245.6	C3 [±]	
TP	0.97	250.34	12.76	249.37		
2+50		5.0	245.3	241.3	C4 [±]	
3+00		8.9	241.4	237.2	C4 [±]	
3+50		13.1	237.2	233.0	C4 [±]	
TP	1.78	239.23	12.89	237.45		
4+00		5.8	233.4	228.7	C4 [±]	
4+32	2" B.O.		8.3	230.9	226.0	C4 [±]
TP	13.08	250.60	1.71	237.52		
TP	12.35	262.23	0.72	249.88		
CK. BM.			2.22	260.01 = 260.00		

WATER METERS

3+79 N.	239.23	5.4	233.8	234.5	F0 [±]
4+2A N.		8.0	231.2	230.8	C0 [±]

11-7-55
SHOREY
MARTELL
KEMP
HOLLIAN

N.E.B.P. BUSH & GOLDFINCH ST.

C3[±] NOT MK'D

C3[±]

C3[±]

C3[±]

C3[±]

C4[±]

C4[±]

C4[±]

C4[±]

C4[±]

NOTE: CK. METER GED.

FRONT ST.

WASHINGTON ST; SLY 165'

③ STK'S 4' 6" BED.
4" A.C. MAIN.

H-7-55
SHOREY
MARTELL
KEMP
HOLAHAN

39

P.M.	6.94	283.93	276.99
0+60 BEGIN WORK	4.8	279.1	274.7
0+65 F.H. TEE	4.9	279.0	274.6
⑤	4.4	279.5	
0+75	5.0	278.9	274.5
1+00	5.3	278.6	274.2
1+50	6.0	277.9	273.5
2+00	6.5	277.4	272.8
2+25 2" B.O. Assy	7.0	276.9	272.6
CK. BM	6.94	276.99 =	276.99

N.W. B.P. WASHINGTON & ALBATROSS

CA⁴⁺ - NOT MK'D

CA⁴

CO⁰ CA²

CA⁴

CA⁴

CA⁴

CA⁶

CA³

WATER METERS

283.93

1+90 W.	9.3	274.6	270.7
2+25 W.	14.6	269.3	276.2
2+26 W.	15.8	268.1	
2+33 E.	6.5	277.4	277.4

F2¹

NOTE: CK. METER GRD.

F6²

F8²

CO⁰

IBIS ST.

BUSH TO SUTTER
 @ STK'S & GRD.
 6" A.C. MAIN

11-7-55
 SHOREY
 MARTELL
 KEMP
 HOLAHAN

40

B.M.	5.69	267.52		261.83		N.W.B.P. HAWK & BUSH ST.
0+40	27 ⁵ E.	By City	5.3	262.2	258.8	C3 ³ = NOT MK'D
0+40			4.7	262.8	259.0	C3 ² = NOT MK'D
0+45	G.V.		4.9	262.7	258.7	C3 ⁸
0+50			4.8	262.7	258.8	C3 ²
0+75			5.6	261.9	258.5	C3 ⁴
1+00			6.3	261.2	257.7	C3 ⁵
1+50			7.7	259.8	256.2	C3 ⁶
2+00			9.2	258.3	254.8	C3 ⁵
2+50			10.6	256.9	253.3	C3 ⁶
3+00			12.3	255.2	251.8	C3 ⁴
TP	2.14	256.34	13.32	254.20		
3+50			3.5	252.8	249.3	C3 ⁵
4+00			5.3	251.0	247.2	C3 ⁸
4+25			6.3	250.0	246.2	C3 ⁸
4+50			5.8	250.5	246.1	CA ⁴
4+52	G.V.	By City	5.9	250.4	246.1	CA ³
4+57	10" x 6" TEE	By City	6.2	250.1	246.0	CA ¹ NOT MK'D
TP	11.76	267.84	0.26	256.88		
CK. BM			6.01	261.83	= 261.83	

IVY ST.
UNION TO STATE
③ STK'S & GED
6" A.G. MAIN

B.M	12.67	92.74	80.07	
TP	11.70	104.53	0.11	92.63
SETTBM	1.36	101.50	4.39	100.14
0+28	35' SO.	F.H.TEE	2.5	97.0
③			1.4	100.1
0+28	6" X 6" TEE		2.6	98.9
			2.8	98.7
0+33	6" G.V.		2.8	98.7
0+50			3.3	98.2
1+00			6.4	95.1
1+50			11.6	89.9
TP	0.84	89.31	13.03	89.47
2+00			4.5	84.8
2+50			9.7	79.6
2+75			12.0	77.3
3+00	OMIT		12.6	76.7
3+01	6" X 6" TEE BY CITY		12.7	76.6
TP	5.91	85.09	10.13	79.18
CK. BM			5.03	80.06 = 80.07

WATER METERS

1+10 N.

1+43 N.

1+88 S.

2+11 N.

11-8-55
SHOREY
MARTEL
KEMP
HOLOHAN

41

S.W.B.P. HAWTHORNE & UNION STATE

7 1/2 FT S.E. COR. IVY & UNION
C22

C02 TO FLANGE
C32 NOT MK'D
C31

C32

C32

C41

C41

C42

C43

C41

C45

NOT MK'D

MALDEN ST.
 COLLINGSWOOD TO KAMONT
 @ 5TK'S 162D. FOR 6" & 8" A.C. MAIN

11-16-55
 SHOREY
 MARTEL
 KEMP
 HOLDMAN

BM						
	10.47	249.10		238.63		CONC. MEN. COLLINGSWOOD & MALDEN
0+50			9.4	239.7	235.2	034 5
1+52			8.9	240.2	234.8	034 4.5
0+70			7.3	241.8	237.0	034 4.8
1+58 F.H. TEE			8.9	240.2	235.8	
			9.1	240.0		F.O.E. 030
③			9.8	239.3		034 5 240.5
1+00			6.2	242.7	239.4	035
1+50			4.8	244.3	241.2	031
1+75			4.4	244.7	241.2	035
2+00			4.7	244.4	240.3	041
2+25			6.1	243.0	239.2	038
2+50			7.8	241.3	237.6	032
3+00			11.1	238.0	234.4	036
TP	2.65	239.29	12.46	236.64		
3+50			4.7	234.6	231.0	036
4+00			7.5	231.8	228.6	032
4+50			9.8	229.5	226.5	032
TP	4.20	234.75	8.74	230.53		
4+75			6.5	228.3	225.4	022
4+87 6" G.V.			6.2	228.6	224.9	032
4+92 8" TEE			5.6	229.2	224.8	044
5+00			5.7	229.1	224.4	047
5+10			5.8	229.0	224.1	042
5+14 F.H. TEE			6.1	228.7	223.9	048
5+50 ③			9.4	225.4	222.5	032 F.36 015
6+00			8.4	226.4	222.5	
			10.9	223.9	220.6	033

234.75

6+50			12.0	222.8	218.9	C4°
TP	0.46	223.23	11.98	222.77	215.0	C8° 0' 4"
7+00			6.8	216.4	212.6	
7+50			5.1	218.1	215.0	C2° 3'
8+00			5.5	217.7	213.6	C2° 8' 4"
8+50			6.0	217.2	212.6	C3° 4'
8+75			6.3	216.9	212.8	C3° 4'
9+00			8.2	215.0	213.4	C1° 6'
9+07 6.V.			8.3	214.7	213.4	C1° 5'
9+11 ¹⁹ 8° TEE			8.2	215.0	213.4	C1° 6'
			7.9	215.3		
			7.9	215.3		
9+45 ⁰⁹ 90° BEND			2.7	220.5	214.1	C2° 5' 6"
9+22 ⁶⁹ F.H. TEE			4.6	218.6	214.1	C4°
9+50			5.8	218.4	214.1	C4° 5' 6" C3°
			2.7	220.5	214.1	
9+62 ⁵			2.7	220.5	214.1	C4° 6'
TP	1.40	221.96	3.67	219.58		
		221.96	2.67	220.58		
10+00			2.7	219.3	214.2	C4° 5'
10+50			7.2	214.8	211.0	C2° 3' 8"
11+10			11.6	208.4	206.3	C3° 4'
TP	0.57	209.92	13.61	207.33		
		208.72				
11+50			3.6	206.3	201.7	C4° 4'
12+00			6.3	203.6	197.0	C4° 6'
12+25			9.3	200.6	195.9	C3° 4'
12+50			10.6	199.3	195.7	C2° 3'

ELEV. TOP OF PIPE AS CONST.
12-4-55

8.63	225.13	217.5	
7+75	9.8	215.3	
9+57 [±]	Top A.C. PIPE	13.6	211.5
8+75	" " "	14.4	210.7
9+11 ¹⁹	TIP " " @ TEE	15.0	210.1
9+45 ⁰⁹	90° BEND Top A.C.	11.7	213.2
10+00	Top A.C. PIPE	12.7	212.4
10+50	" " "	13.7	211.2

MALDEN ST
(CONT'D)

209.92
208.72

12+59 G.V.	11.1	198.8	195.7	C2 3 ^L
12+63 E.H. TEE	10.9	199.0	195.6	C2 3 ^L
12+75	11.3	198.6	195.4	F0 ^L C3 ^L

13+00	10.4	199.5	196.0	C2 3 ^L
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13+50	9.3	200.6	196.6	C2 4 ^L
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14+00	8.2	201.7	192.4	C3 4 ^L
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14+50	7.5	202.4	198.0	C2 4 ^L
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14+75	7.4	202.5	198.4	C3 4 ^L
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14+90 ⁵⁰ OK. TBM	7.4	202.5	199.0	C3 4 ^L
	7.54	201.38	202.45	
		202.38		

0+07 ⁵ W.	249.10	11.5	237.6	238.0	F0 ^B
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1+18 N.		4.2	244.9	244.8	C0 ^L
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1+33 S.		5.7	243.4	244.0	F0 ^L
---------	--	-----	-------	-------	-----------------

1+50 N.		3.1	246.0	245.8	C0 ^L
---------	--	-----	-------	-------	-----------------

1+77 S.		4.5	244.6	244.3	C0 ^L
---------	--	-----	-------	-------	-----------------

1+87 N.		2.7	246.4	245.4	C1 ^L
---------	--	-----	-------	-------	-----------------

3+65 N.	239.29	5.9	243.2	241.6	C1 ^L
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3+35 N. (2 METERS)		1.2	238.1	237.6	C0 ^L
		1.5	237.8		C0 ^L

4+46 S.		10.3	229.0	229.8	F0 ^L
---------	--	------	-------	-------	-----------------

5+06 S.	234.75	8.3	226.5	227.0	F0 ^L F2 ^L
				227.7	

5+95 N.		7.3	227.5	226.0	C1 C1 ^L
				227.1	

6+25 N.		8.6	226.2	224.3	C2 C1 ^L
				227.7	

6+41 S.		12.9	221.9	223.5	F1 F1 ^L
				227.0	

NOTE: SEE PAGE 45 FOR
REVISED LOCATION 14+50
TO END

MOVED LINE 3⁵ LT.
MOVED LINE 4¹ LT.
MOVED LINE 5¹ LT.

NOT MKD 4+92³ 35' NOR. 8' STUB
234.75

0.5 234.3 226.1 C8^L

(SET WATER METERS 7⁵ LT. &
27⁵ RT.)

16' 40"
16' 45"

CH. 620' OF METERS BETWEEN 5+00 & 9+00

MALDEN ST.
(CONT'D)

45

223.23

7+04 N.		0.9	222.3	221.3 221.9	C2⁴ C1 ²
7+76 S.		5.1	218.1	218.8 217.9	C0⁴ F0 ²
8+10 N.		0.4	222.8	218.6 217.6	C5² C4 ²
8+33 S.		5.7	217.5	217.8 216.5	C1² F0 ³
8+75 N.	221.96	3.5	219.7	217.9 216.4	C5¹ C2 ³
9+65 N.	209.92 209.92	+2.4	224.4	219.8	C3⁵ C4 ⁶
11+48 N.		+0.2	210.1	205.8	C5³ C4 ³
12+11 N.		5.2	204.7	200.6	C5¹ C4 ¹
13+06 N.		8.3	201.6	200.4	C4² C1 ²
13+25 N.		8.0	201.9	200.2	C1² C1 ²
14+22 N.		6.6	203.3	202.7	F0⁴ C0 ⁶

209.92

14+50		7.3	202.6	198.0	C1 ⁶
14+75		7.1	202.8	198.4	C4 ⁴
14+90 ⁵⁰		7.7	202.2	198.4	C3 ⁸
15+00		8.2	201.7	198.4	C3 ³

15+40 EXIST. 6" C.I.

(NOT MK'D)

(RAN LINE STRAIGHT AS PER PLAN)
11-23-55

MONMOUTH ST.
 JEWEL ST. WLY
 (S) STR'S & GED

11-12-55
 SHOREY
 KEMP
 MARTEL
 HOLDRAN

46

TBM	9.15	188.16	179.01			
0430 BEGIN WORK			8.5	179.7	176.5	C3 ²
0434 ²⁵ B.L.			8.7	179.5	176.4	C3 ¹
0437 BEGIN WORK			9.0	179.2	176.3	C2 ²
0450			9.4	178.8	176.0	C2 ²
0475			10.2	178.0	175.3	C2 ²
1400 F.H. TEE			11.8	176.4	173.7	C2 ²
(S)			12.4	175.8		F54 C2 ¹ 181.2
1405 G.V.			11.7	176.5	173.6	C2 ²
1412 ⁵			11.5	176.7	172.9	C3 ²
1425			11.2	177.0	172.5	C4 ⁵
1450			11.7	176.5	172.8	C3 ²
2400			11.4	176.8	174.1	C2 ²
2450			7.8	180.4	177.7	C2 ²
3400			4.1	184.1	182.0	C2 ¹
TP	6.85	194.62	0.39	187.77		
3425			8.3	186.3	183.3	C3 ²
3450			6.9	187.7	184.0	C3 ²
3475 E.C.			7.0	187.6	184.6	C3 ¹
4100	(OMIT)				185.3	
4425			6.8	187.8	186.0	C1 ²
4434 Δ PT.	22 1/2° BEND		7.3	187.3	185.9	C1 ⁴
4450			7.7	186.9	185.7	C1 ³
						4442 E 7.0 187.6 189.26

MONMOUTH ST.
CONT'D

47

194.62

4+75		8.7	185.9	185.4	C0 ⁵	
5+00		7.7	186.9	184.5	C2 ⁴	194.10
5+12 ⁵		7.8	186.8	184.0	C2 ²	
5+50		7.7	186.9	184.0	C2 ²	
6+00		5.7	188.9	184.0	C4 ²	
6+00	77	6.30	195.54	5.38 189.24		188.1
6+42 F.H. TEK		7.7	187.8	184.0	C3 ⁸	SET F.H. 15 ⁵ LT.
⑤		9.1	186.4		F1 ² C2A	
6+48 G.V.		8.2	187.3	184.0	C3 ²	
6+49 END WORK		8.3	187.2			NOT MKD
CK. TBM		5.52	190.02	189.96		

WATER METERS

	188.76	2.9	185.3		C1 ²	
0+30 (2 METERS) N.		2.8	185.4	184.3	C1 ²	SET METERS 27 ⁵ N. 7 ⁵ S.
1+05 N.		4.8	183.4	181.8	C1 ⁶	
1+75 N.		4.6	181.6	183.5	F1 ²	
2+30 W.		2.9	185.3	184.8	C0 ⁵	
	194.62					
3+00 N.		5.7	188.9	186.8	C2 ²	
3+75 N.		4.4	190.2	189.0	C1 ²	
5+74 N.		2.5	192.1	192.2	F0 ¹	
6+09 S.		7.7	186.9	190.3	F3 ⁴	

OSBORN ST.
MARINEVIEW DR. TO DALBERGIA
⑥ STK'S & GED
6" A.C. MAIN

11-21-55
SHORE
HOLAHAN

48

TBM	4.70	28.41	23.71		
0+10			10.5	17.9	14.0 [±]
0+50			6.4	22.0	17.6 [±]
1+00			2.8	25.6	19.4
TP	5.65	33.79	0.27	28.14	
1+50			4.9	28.9	20.6
2+00			4.4	29.4	20.5
2+50			5.2	28.6	20.4
3+00			4.9	28.9	20.4
3+40 6" G.V.			9.2	24.6	20.4
3+44 ⁸⁸ END WORK			8.9	24.9	20.4
TP	1.31	29.35	5.75	28.04	
CK. TBM			5.65	23.70-23.71	

WATER METERS
28.41

0+35 W.			9.2	19.2	20.6	F0 ⁶
1+02 W.			0.5	27.9	23.2	C4 ²
1+62 W.		33.79	3.2	30.6	24.5	C6 ¹

S.E. TLET (F.B. 909-8) MARINEVIEW & OSBORNE ST

C39[±] NOT MK'D MOVED 2' RT. TO MEET EXISTING G.V.

C4⁴±

C6²

C8³

C8⁹

C8²

C8⁵

C4²

C4⁵

DALBERGIA ST.
 YAMA TO DIVISION ST.
 @ STU'S & BED FOR 6" A.C. MAIN

11-22-55
 SHOREY
 KEMP
 MARTELL
 HOLOHAN

49

BM.	2.98	12.80	9.82			
0+75	6" G.V. By City BEGIN WORK		5.2	7.6	3.8	S.E.E.H. YAMA & DALBERGIA C3 ⁸ T
1+00			4.7	8.1	3.9	C4 ²
1+12	5 22 1/2° BEND		4.2	8.6	4.0	C4 ⁶
1+25			4.1	8.7	-1.6	C10 ³
1+62	5		4.7	8.1	-1.7	C9 ⁸
1+75			4.9	7.9	4.0	C3 ²
2+00			4.8	8.0	4.3	C3 ²
2+50			5.0	7.8	4.8	C3 ⁰
3+00			5.1	7.7	5.5	C2 ²
3+50 TP	11.62	24.14	0.28	12.52	2.3	C3 ²
4+00			1.6	22.5	13.3	C9 ²
4+50 TP	6.99	30.94	0.19	23.95		5.7
5+00			7.2	23.7	15.6	C8 ^L
5+50			4.2	26.7	18.0	C8 ²
5+93	17 6" WYE		1.6	29.3	20.2	C9 ^L
6+00			5.6	25.3	20.4	C4 ²
6+23	25 B.C.		5.5	25.4	20.5	C4 ²
6+50			5.7	25.2	20.6	C4 ⁶
6+68	45 BK = } E.C.		5.9	25.0	20.6	C4 ⁶
6+69	62 AH }		6.2	24.7	20.6	C4 ^L
						6.3
						10.6
						9.1
						7.7

DALBERGIA ST.
(CONT'D)

50

30.94

6+88⁵ END WORK

6.3 24.6 20.6⁺

C4⁰ - NOT MK'D

CK.

6.1 24.8 = 24.9

(PAGE 48)

WATER METERS

12.80

1+63 W.

5.8 7.0 8.4

F1⁺

(WATER METERS SET 26⁵ FT)

1+80 E.

7.3 5.5 9.0

F3[±]

2+08 W.

6.2 6.6 9.0

F2⁺

24.14

4+34 W.

0.2 23.9 18.8

C5⁺

VALLE ST.
35th TO WABASH
METERS & VALVES
0+00 = E/H 35th

11-28-53
SHREY
KEMP
MARTEL

57

BM	0.40	69.37	68.97		
0+23	EXIST. G.V.				
0+58	WM. S.		68.7		
0+83	" "	1.9	67.5	67.1	C0 ⁴
1+02	" N.	1.4	68.0	66.8	C1 ²
1+09	" N.	1.6	67.8	66.5	C1 ³
1+14	" S.	3.3	66.1	65.8	C0 ³
1+89	" N.	6.5	62.9	63.2	F0 ³
2+27	" N.	7.8	61.6	61.5	C0 ¹
2+43	" S.	9.0	60.4	60.0	C0 ⁴
2+74	" S.	11.9	57.5	56.8	C0 ²
TP	0.62	57.05	12.94	56.43	
2+90	" N.	0.4	56.7	55.3	C1 ⁴
3+10	F.H. S.	4.1	53.0	51.5	C1 ⁵
3+10	F.H. G.V.	4.2	52.9	51.1	C1 ²
3+26	WM. S.	7.0	50.1	49.0	C1 ¹
TP	1.41	45.53	12.93	44.12	
3+83	WM. S.	4.6	40.9	39.6	C1 ³
3+88	" N.	5.9	39.6	39.2	C0 ⁴
4+19	" N.	10.2	35.3	34.1	C1 ²
TP	1.70	32.97	13.26	32.27	
4+32	" S.	1.6	31.4	31.9	F0 ⁵
4+69	" S.	6.4	26.6	26.6	C0 ²
4+85	" N.	6.9	26.1	25.3	C0 ²

PK NAIL IN P.P. S.W. COR. VALLE & 35

(SET METERS 20⁵ RT. & LT.)
2 ST.
SET FIRE HYDRANT 19⁵ LT.

VALLE ST.
(CONT'D)

32.97

5+45 W.M.S.

12.9

20.1

20.0

C₀^L

CK.BM.

10.77

22.20 = 22.21

BEASS PLUG IN INLET ELY. Side Wabash, 123 N.W. 45
VALLE ST.

JEWEL ST.
 BERYL TO MONMOUTH
 ③ STK'S & GRD
 6" A.G. MAIN

11-30-55
 SHOREY
 MARTELL
 KEMP

BM.	10.54	170.69	160.15	N.E.B.P. JEWEL & BERYL	
0+30	8" X 6" TREE BY CITY	11.7	159.0	155.2	
0+35	G.V. BY CITY	11.6	159.1	155.2	C3 ²
0+50		11.6	159.1	155.5	C3 ⁶
0+62 ⁵		11.7	160.0	155.7	C4 ³
1+00		4.9	165.6	157.2	C8 ¹
1+25		1.6	169.1	160.4	C8 ³
TP	11.47	181.75	0.41	170.28	
1+50		10.5	171.3	164.0	C7 ³
2+00		6.6	175.2	171.1	C4 ^L
2+11	6" X 6" TREE	5.5	176.3	172.3	C4 ²
2+41 ⁵	90° BEND & 22 1/2° BEND	1.8	180.0	176.3	C3 ²
2+41 ^E	..	1.4	180.4		C4 ^L
ERTM		2.72	179.03	= 179.01	F.R. 904-55
	WATER METER				
	170.65				
1+18 W		2.2	168.5	166.5	C2 ^e "1680" (SET 32 ⁵ LT.)

ALLEY CONGRESS HEIGHTS ADD.
 NOB. OF BERYL, E. OF JEWEL
 (5) STKS of GED
 6" A.G. MAIN

121-55
 SHOREY
 MARTELL
 KEMP

F.B. 904-55

TBM	3.62	182.63	179.01	
0+50 BEGIN WORK			6.8 175.8	172.3 C3 ⁵
0+55 G.V.			6.9 175.7	172.5 C3 ²
1+00			5.6 177.0	173.0 C4 ⁰
1+50			4.6 178.0	174.6 C4 ⁰
2+00			5.1 177.5	174.0 C3 ⁵
2+25			5.0 177.6	173.9 C3 ²
2+50			5.6 177.0	173.6 C3 ²
TP	11.03	187.20	6.46 176.17	
3+00			11.6 175.6	172.4 C3 ²
3+50			12.8 174.4	171.2 C3 ²
3+75			13.4 173.8	170.6 C3 ²
4+00			12.9 174.3	170.6 C3 ²
4+25			11.7 175.5	171.4 C4 ¹
4+50			9.5 177.7	172.8 C4 ²
5+00			6.1 181.1	176.4 C4 ²
5+50 (2 ⁵)			3.2 184.0	180.0 C4 ⁰
6+00			3.6 183.6	180.6 C3 ²
6+10 G.V. By City			3.3 183.9	180.6 C3 ³
6+15 6" TEE By City			3.2 184.0	180.6 C3 ⁴ ± NOT MK'D
CK. TBM			8.22 178.98 = 179.01	

ALLEY CONGRESS HIGHTS ADD.
CONT'D

WATER METERS

	182.63					
1+97 N.		4.0	178.6	178.2	0.4	"1715"
2+45 N.		4.0	178.6	177.8	0.8	"1723"
	187.20					
3+40 N.		11.4	175.8	175.3	0.5	"1727"
3+98 N.		11.6	175.6	174.7	0.9	"1729"
4+66 N.		7.2	180.0	177.8	2.2	"1737"
5+28 N.		3.3	183.9	183.1	0.8	"1745"

43RD ST.
 DIVISION TO ETA ST.
 ③ STKS # 680
 6" A.C. MAIN

12-55
 SHOREY
 MARTELL
 KEMP

54

N.W.B.P. 43RD DIVISION

BM.	1.83	35.29	33.46		
0+61 6" TEE BY CITY	2.4	32.9	29.8	C3 ^L	NOT MK'D
1+00	3.2	32.1	28.7	C3 ^L	
1+50	4.4	30.9	29.2	C3 ^L	
2+00	4.8	30.5	27.1	C3 ^L	
2+50	4.9	30.4	27.0	C3 ^L	
3+00	5.1	30.2	26.8	C3 ^L	
3+40 BEGIN CONG. ENCASE	5.2	30.1	27.9	C2 ^B	
3+50	5.1	30.2	27.8	C2 ^L	
3+76 END CONG. ENCASE	4.7	30.6	27.8	C2 ^B	
TP 10.40 40.98	4.71	30.58			
4+00 6" TEE	10.4	30.6	27.3	C3 ^B	
(4+00 5' WEST - G.V.)	10.5	30.5	27.3	C3 ^B	
4+50	8.5	32.5	28.7	C3 ^B	
4+73 APT. 4° 25' LT	7.8	33.2	29.4	C3 ^B	
5+00	7.0	34.0	30.2	C3 ^B	
5+25 APT. 4° 25' RT	6.2	34.8	31.0	C3 ^B	
5+50	5.9	35.1	31.7	C3 ^L	
6+00	3.4	37.6	33.6	C4 ^O	
6+50	1.3	39.7	35.6	C4 ^L	
6+56 FH. TEE	1.6	39.4	35.8	C3 ^B	
⑤ +0.2	0.2	41.2		C1 ^L	C5 ^L

40.98

6+78 END - 2 B.O.

0.7 40.3 36.7

C3⁶

C.K. TBM

0.98 40.00 = 39.98

F.B. 910 - 21

WATER METERS

35.29

37-09 W.

40.98

5.1 30.2 30.2

C0⁰

"2012"

54-25 W.

6.3 34.7 34.7

C0⁰

"1924"

54-84 W.

3.9 37.1 36.9

C0³

"1916"

6+13 W.

2.9 38.1 38.1

C0⁰

"1910"

6+54 W. (2 METERS)

0.9 40.1 40.0

C0⁰

"4251 & 4261"

1.0 40.0 40.0

C0⁰

63RD ST.
EL. CAJON TO CHOCTAW
WATER - METERS & F.H.

BM	3.60	467.04	465.44 465.17
1+58 W.		3.7	465.3 465.00
1+81 E.	1479.84 B.C.	4.2	464.8 465.00
2+23 W.	2436.76 E.C.	4.0	465.0 464.8
2+47 E.		4.1	464.9 464.7
2+93 W.	3+22, 20 B.C.	4.1	464.9 464.5
3+49 E.		4.5	464.5 464.3
3+82 W.	3+93.04 E.C.	4.3	464.7 464.2
4+05 E.	4+53.37 B.C. 5+36.83 E.C.	4.7	464.3 464.1
6+15 F.H.		5.2	463.8 463.5
6+15 F.H. G.V.		5.61	463.43 463.15
		5.73	463.31 = 463.33

N.E. CB. RETURN EL. CAJON
NATH P.P. S.W. COR. 63RD & ROSE

CO ³	
FO ²	SET METERS 20 ⁷⁵ FROM E
CO ²	F.H. 19 ⁷⁵ "
CO ²	
CO ⁴	
CO ³	
CO ⁵	
CO ²	
FO ³	
CO ²⁸	
2. 63 RD	& CHOCTAW

WALNUT ST.
IBIS TO JACKDAW
① STR'S 4' RD. FOR 6" A.C. MAIN

TBM	10.69	246.36	235.67
0+80 BEGIN WORK		2.1	244.3 240.9
1+00		1.6	244.8 241.0
1+25		1.4	245.0 241.0
1+50		2.1	244.3 240.2
2+00		6.2	240.2 235.6
2+50		11.1	235.3 230.8
2+75		12.5	233.9 229.0
2+80 45° BEND		13.9	233.5 228.8
3+00		13.9	233.5 228.4
3+23 45° BEND		13.7	232.7 228.7
3+28 6" G.V. BY CITY		13.8	232.6 229.2
3+33 EXIST. 4" C.I.		13.0	233.4
CK. TBM		10.69	235.67 = 235.67

12-6-55
SHOREY
MARTELL
KEMP

57

N.E. F. H. JACKDAW & WALNUT

C34⁺ NOT MK'D

C3⁸

C4⁰

C4¹

C4⁶

C4⁵

C4²

C4²

C5¹

C3⁸

C3⁶

NOT MK'D

UNION ST.
PALM TO OLIVE
⑤ STR'S & GRD FOR 4 A.C. MAIN

TBM	1.86	198.11		196.25	
0+90 BEGIN WORK			2.3	195.8	191.5
1+00			2.1	196.0	191.0
1+37 ⁵			7.3	190.8	188.6
1+50			9.0	189.1	186.8
TP	0.52	185.53	13.10	185.01	
2+00			4.4	181.1	179.0
2+25			9.2	176.3	174.0
TP	0.67	173.51	13.69	172.84	175.2
2+50			2.8	170.7	168.3
2+62 ⁵			5.5	168.0	165.3
2+75			8.2	165.3	162.2
3+00 TP	0.98	161.35	13.16	160.35	158.1
3+09 BEGIN CONC. ENCASE.			2.2	159.2	156.8
3+20 END	"	"	3.5	157.9	155.0
3+50			4.4	157.0	153.2
3+62 ⁵ END - 2" B.O.			2.1	159.3	152.6
TP	11.57	171.58	1.28	160.07	
TP	13.02	181.28	0.32	171.26	
TP	13.03	196.77	0.54	183.74	
CK. TBM			0.50	196.27	= 196.25

WATER METERS

1+47 W.	198.11	1.8	196.3	190.8	C5 ^E	"2866"
2+27 W.		4.9	193.2	185.8	C7 ^E	"2854"
2+35 W.	184.28	5.2	192.9	185.4	C9 ^E	"2846"
3+36 W.		7.0	177.3	172.2	F12	"2816"

12-7-55
SHOREY
MARTELL
KEMP

60

9 LIT UNION & PALM

C1³ NOT MKD

C5⁰

C2²

C2³

C2¹

C1¹ C2³

C2² C2⁴

C2⁷

C3¹

C2³

C2⁴

C2²

C3²

C6²

SPRUCE ST.
 CURLEW TO DOVE
 ③ STK'S & GRD FOR 6" A.C. MAIN

12-7-55
 SHOREY
 MARTELL
 KEMP

61

BM	0.40	223.52		223.12	
			6x4 REDUCED		
0+80	BEGIN WORK BY CITY	58.1	215.4	212.0	
1+00			11.1	212.4	208.4
TP	0.02	210.80	12.74	210.78	
1+25			2.1	208.7	205.0
1+50			4.6	206.8	202.0
1+75			10.0	200.8	197.0
TP	0.04	197.99	12.85	197.95	
2+00			1.8	196.2	192.7
2+25			6.1	191.9	188.2
2+50			10.0	188.0	183.3
2+62 ⁵			11.8	186.2	180.7
2+75			13.5	184.5	179.0
TP	2.44	187.61	12.82	185.17	
3+00			5.5	182.1	177.3
3+10	EXIST 6" A.C. MAIN	6.2	181.4	176.8	
		2.62	184.99 = 185.00		

S.E. COR. I & T SPRUCE & CURLEW ST.

C3⁴ NOT MK'D

C3⁰

C3²

C4⁰

C3⁸

C3⁵

C3⁷

C4²

C5⁵

C5⁵

C4⁰

C4⁶

C2³

NOT MK'D

SPIKE IN P.B. SPRUCE & DOVE

WATER METER

187.61

2+87.5 3.5 184.1 181.8

C2³

NOT MK'D

MISSOURI ST.
 JEWELL TO INGRAHAM
 @ STR'S #6 RD FOR 6" A.C. MAIN

12-8-55
 SHOREY
 MARTELL
 KEMP

62

BM	123	114.51		113.28	
TP	114	102.74	12.91	101.60	
0450	BEGIN WORK		2.2	100.5	96.6
1400			2.6	100.1	96.3
1450			3.6	99.1	95.4
2400			4.4	98.3	94.8
2450			5.4	97.3	93.7
3400			6.3	96.4	92.8
3450			7.3	95.4	91.8
4400			8.3	94.4	90.8
4450			9.1	93.6	89.8
TP	5.71	99.34	9.11	93.63	
5400			6.8	92.5	88.6
5450			7.9	91.4	87.4
5475			8.5	90.8	86.9
5475 F.H. TEE			8.6	90.7	
6400			9.5	89.8	86.2
6425	G.V. BY CITY		10.1	89.2	85.6
6430	EXIST. 10X6 CROSS		10.0	89.3	85.4
TP	8.44	105.43	2.35	96.99	
TP	2.84	114.94	0.33	105.10	
CK. BM			1.68	113.26	= 113.28

N.E.B.P. CHALCEDONY & JEWELL

C3² (NOT MK'D)

C3²

C3²

C3³

C3⁴

C3⁵

C3⁶

C3⁶

C3⁸

C3²

C4⁰

C3²

C0⁰ C3⁸

C3⁶

C3⁶

C3²

NOT MK'D

(WATER METERS)

0485 S.	3442 N.
0488 N.	3495 S.
1438 N.	3497 N.
1443 S.	4445 S.
1487 S.	4469 N.
2420 N.	4485 S.
2450 N.	4488 N.
2486 N.	5467 N.
3415 S.	5467 S.
3440 S.	

MOVED LINE 1³ FT

BOSTON AVE
 39th TO 40th ST.
 (5) STRIS & GED. FEB 8th A.C. MAIN

12-13-55
 SHOREY
 MARTELL
 KEMP

63

BM	12.75	33.06		20.31	
TP	11.50	43.75	0.81	32.25	
0-55			3.5	40.3	38.0
0-25			4.2	39.6	36.0
0+00 Δ PT. 17° RT. 11/4 BEND			5.0	38.8	35.0
0+51 ²⁹ Δ PT. 17° LT. 11/4 BEND			1.9	41.9	33.2
0+70 F.H. TER			4.6	39.2	32.0
(5)			7.4	36.4	
0+75 G.V.			6.2	37.6	31.8
TP	1.37	32.27	12.85	30.90	
1+00			3.2	29.1	25.3
1+25			10.2	22.1	12.0
1+50			12.2	20.1	17.0
TP	4.06	23.68	12.65	19.62	
2+00			5.0	18.7	15.6
2+50			5.9	17.8	15.0
3+00			5.5	18.2	15.0
3+50			5.4	18.3	15.1
4+00			5.1	18.6	15.2
4+50			5.0	18.7	15.3
5+00			4.6	19.1	15.5
5+50			4.9	18.8	15.6
6+00			4.3	19.4	15.6

SPIKE IN P.P. 39th & 7th ST.

C23

C36

C98

192

C72

C04 C44

C58

C38

C96

C36

C96

C28

C32

C32

C34

C34

C36

C32

C38

BOSTON AVE.
(CONT'D)

23.62

6+50 4.3 19.4 15.7 C3²

7+07 ¹⁶ 8' x 8" CROSS BY CONT. 4.6 19.1 15.8 C3³

CK. TBM 3.63 20.05 = 20.04 NAIL IN P.P. 40th & BOSTON

WATER METERS

43.75

0-31 S. 3.3 40.5 40.4 C0²

0-25 N. 3.1 40.7 40.6 C0¹

1+68 S. 12.9 19.4 26.0 F6⁶

4+25 S. 5.2 18.5 20.4 F1²

"3955"

40th ST.
 BOSTON TO ALLEY NORTH
 @ STK'S CRED. FOR G.A.C. MAIN

BM	1057 HTB	30.61 30.22	11.3 11.0	20.04 19.23		
0+15	BEGIN WORK		11.3 11.2	19.23 19.4	15.8	038 3E
0+20	G.V. & APT. 4 th RT.		11.3 11.0	19.4 19.4	15.9	035
0+50			10.4 9.9	20.2 20.3	16.6	052 3E
0+75			9.4 9.2	21.2 21.0	17.2	052 4E
0+80 ¹²	APT. 4 th 16 th LT.		9.2 9.1	21.4 21.1	17.3	052 4E
1+00			8.5 8.3	22.1 21.9	18.3	056 3E
1+25			7.0 6.6	23.6	19.6	049
1+50			4.5 4.1	26.1	22.5	036
TP	8.08 7.47	37.44 36.82	9.86 9.26	29.36 29.35		
2+00			4.5 4.3	32.7 32.5	28.7	042 3E
2+18	END WK. - EXIST. P.O.		2.0 2.6	34.8	31.4	034 ⁺ - NOT MKD
TP	0.35 7.21	25.17 26.55	12.00 12.10	24.82 25.34		
CK BM			5.12 6.50	20.05 20.05	= 20.04	

12-18-55
 SHOREY
 MARTELL
 REMP

65

SPIKE IN P.P. S.W. COR. BOSTON @ 40th

37th ST.
 BOSTON AVE. TO NEWTON
 @ STKS & 6th A.C. MAIN

12-15-55
 SHREY
 MARTELL
 KEMP

66

BM	10.75	36.99		26.24	
0+30	EXIST. CROSS		2.4	34.6	30.5
0+35	G.V.		2.2	34.8	30.6
0+50			1.8	35.2	31.0
0+75			1.6	35.4	31.6
1+00			1.1	35.9	32.1
TP	9.45	45.56	0.88	36.11	
1+50			8.7	36.9	33.2
2+00			7.7	37.9	34.3
2+50			6.4	39.2	35.3
3+00			5.2	40.4	36.4
3+50			4.1	41.5	37.4
3+74	R.H. TREE		3.5	42.1	38.0
⑤			2.5	43.1	
3+88			3.3	42.3	38.3
4+00			3.0	42.6	38.4
4+08 ⁵⁰	EXIST. CROSS		2.9	42.7	38.4
4+08 ⁵⁰	5' WEST - G.V.		3.2	42.4	38.4
4+08 ⁵⁰	45' WEST - 2" B.O.		4.8	40.8	38.0
TP	1.04	36.46	10.14	35.42	
CK, B.M.			10.23	26.23	= 26.24

LET N.W. COR. "Z" @ 37th ST.

C4¹ NOT MK'D

C4²

C4³

C3²

C3¹

C3²

C3¹

C3²

C4¹

C4¹

C4¹

C0² C5¹

C4¹

C4³

C4³⁺ NOT MK'D

C4¹

C2²

WATER METERS
 BEHIND EXIST. CL.

0+68 W.

0+76⁵⁰ W.

1+08 W.

1+27 W.

1+28 E.

1+65 W.

2+42 W.

3+08 W.

3+22 W.

3+92 W.

QUINCE ST.
5th AVE. TO 6th AVE
@ STR'S & GOD FOR 6" A.C. MAIN

12-20-55
SHOREY
MARTELL
KEMP

67

BM	A.66	283.62	278.96			
0+50	16" X 6" TOP SLEEVE (6" V.)	BY CITY	5.0	278.6	274.7	C3 ² NOT MK'D
0+55	EXIST. 16" C. I. MAIN		5.1	278.5	274.8	C3 ¹
0+75						
1+00			4.6	279.0	275.4	C3 ⁶
1+50			4.4	279.2	275.8	C3 ⁴
2+00			4.2	279.4	276.1	C3 ³
2+25			4.1	279.5	276.2	C3 ³
2+50			4.0	279.6	276.2	C3 ⁴
2+75			3.9	279.7	276.2	C3 ⁵
3+00			4.0	279.6	276.3	C3 ³
3+03	6" X 6" TEE		3.9	279.7	276.3	C3 ⁴ NOT MK'D
	X (7 ²⁵)		4.1	279.5		C3 ² NOT MK'D
3+03	31 ⁵ FT. 50		4.1	279.5	276.3	C3 ² NOT MK'D
CK. BM.			4.66	278.96 = 278.96		

WATER METERS
BEHIND EXIST. CB.

1+35 N.
1+32 S.
2+11 N.

N.W.B.P. REDWOOD 4 5th

7th AVE.

CEDAR TO DATE

© STK'S & GRD. FIR 6" A.C. MAIN

BM	2.92	164.80	161.88		
0+30 8"x6" CROSS BY CITY			3.9	160.9	157.2
0+34 G.V. BY CITY			4.0	160.8	157.2
0+50			4.2	160.6	156.8
1+00			4.9	159.9	155.6
1+50			5.4	159.4	155.0
2+00			6.0	158.8	154.5
2+50 TP	3.10	161.30	6.60	158.20	153.8
3+00			3.7	157.6	153.8
3+50			4.3	157.0	152.4
3+71 F.H. TEE			4.7	156.6	152.1
⑤			3.7	157.6	
3+75 G.V.			4.8	156.5	152.0
4+00			5.3	156.0	152.1
4+20 6"x6" TEE BY CITY			5.0	156.3	152.2
TP	6.15	164.93	2.52	158.78	
CK. BM			3.05	161.88	= 161.88

12-20-55

68

SHOREY
KEMP
MARTELLS.E. B.P. CEDAR & 7th AVEC3² NOT MK'DC3⁶C3⁸C4³C4⁴C4⁸C4⁴C3⁸C4⁶C4⁵C0⁸ C5⁵C4⁵C3⁸C0² NOT MK'DWATER METERS
BEHIND EXIST. CB.

1+06 E. (STIFF)

2+08 E. 1+52 W.

2+16 E. 1+90 W.

2+57 E. 2+65 W.

3+05 E. 2+90 W.

REDWOOD STANDPIPE
DRAIN LINE

TBM	8.45	324.64		316.19	
TP	12.65	337.07	0.22	324.42	
TP	5.90	341.79	1.18	335.89	
6+75 BEGIN WORK			2.62	339.17	329.74
6+77 ²			3.13	338.66	328.89
7+00			7.0	334.8	323.9
7+25 11 1/4° BEND			10.6	331.2	318.0
TP	0.40	330.03	12.16	329.63	
7+50			2.5	327.5	317.9
8+00 5 5/8° BEND			9.2	320.8	317.5
TP	0.63	318.55	12.11	317.92	
8+50			2.9	315.7	312.6
8+60			3.6	315.0	311.5
9+00			4.8	313.8	310.0
9+50			5.2	313.4	307.9
9+60			5.3	313.3	307.5
9+85 5 5/8° BEND			9.0	309.6	304.53
10+00			10.7	307.9	304.5
10+50			12.3	306.3	304.2
TP	7.42	312.81	13.16	305.39	
10+90 END			8.8	304.0	303.6
TP	6.42	317.80	1.43	311.38 = 311.52	
			1.59	316.21 = 316.19	

1221-55
SHOREY
MARTELL
KEMP
SMITH

69

NAIL IN P.P. NE. SIDE ROCK ST.

C9⁴³

C9⁷⁹

C10⁹

C13²

C9⁶

C3³

C3^L

C3⁵

C3⁸

C5⁵

C5⁸

C5^L

C3^A

C2^L

C0⁴

1-4-56 RE-STAKED

TBM

1.07

317.28

316.19

7.4 309.7 304.53 C5⁸

9.1 308.2 304.5 C3^L

10.7 306.6 304.2 C2^L

12.8 304.5 303.6 C0²

1.09 316.19 = 316.19

OZARK ST.
IMPERIAL AVE. NOR
WATER METERS

12-21-55
SHOEY
MARTELL
KEMP

70

TBM 2.24 153.97 151.73

HUB 5' BK. PROP. @ 5+90

0+00 = N/L IMP. AVE.

5+71⁵ E. 2.7 151.3 151.5 F0³

7+02³ E. 10.3 143.7 143.6 C0^L

TP 3.26 144.26 12.97 141.00
8+17 W. 4.7 139.6 139.7 F0^L

8+48 E. 4.3 140.0 140.0 C0⁰

8+80 W. 4.8 139.5 139.5 C0⁰

1.76 142.50

HUB MKD 8+80 5' BK. PROP. E. C5^L (cb. 139.4)

BOSTON AVE.

37th to 36th

⑤ STR'S & GRD. FOR 8" A.C. MAIN

BM	5.46	32.81	27.35	
TP	7.79	38.53	2.07	30.74
0+20			4.2	34.3
0+50			5.1	33.4
0+65 F.H. TEE			5.1	33.4
⑤			4.8	33.7
0+75			5.5	33.0
1+00			6.8	31.7
1+50			8.9	29.6
2+00			10.0	28.5
2+50			11.1	27.4
3+00			12.9	25.6
TP	1.61	27.24	12.90	25.63
3+30 @ 90° BEND			2.7	24.3
" ⑤			3.1	24.1
" ⑤			3.1	24.1
⑤ 3+69 EQ = 8" TEE & FLUG			1.3	25.9
⑤ 3+69				
4+00			3.2	24.0
4+25			5.8	21.4
4+37 ⁵			7.6	19.6
4+62 ⁵			12.3	14.9
4+75			13.7	13.5
4+87 ⁵			13.9	13.3
5+25 1/4° VERT. BEND			12.2	15.0

12-23-55

SHOREY

MARTELL

KEMP

SMITH

S.E.F.H. 37th & 2" ST.

C3¹ NOT MK'D

C3⁶

C4²

C4⁰ C4⁵

C4³

C3²

C3⁶

C4³

C5⁰

C5⁰

C4³

C4⁵

C4⁶

C7⁸

C7⁰

C5⁴

C4⁵

C3³

C3¹

C3³

C4⁰

BOSTON AVE.
(CONT'D)

27.24

5437^E 8.9 18.3 15.6 C2^Z

5450 5.4 21.8 18.0 C3⁸

TP 12.14 38.96 0.52 26.72

6400 3.5 35.4 27.7 C7^Z

6412^E 2.0 36.9 30.1 C6⁸

TP 11.37 48.20 2.03 36.83

6450 5.0 43.2 35.2 C8⁰

6475 4.7 43.5 37.2 C6³

7400 4.4 43.8 38.1 C5^Z

7425 22 1/2 BEND 3.8 44.4 37.7 C6⁵

7440 16" x 8" TOP SLEEVE & 3.5 44.7 37.8 C6² †

G.V.

NET MK'D

TP 2.87 48.20 2.87 45.33

CK. 6.17 42.03 = 42.01

13 CONC. MON. 36th & BOSTON

WATER METER

38.53

6467^E S. 4.7 33.8 33.0 C0⁸

1489 S. 10.8 27.7 28.4 F0^Z

1497 N. 7.8 30.7 28.5 C2^Z

2413 S. 10.9 27.6 27.6 C0⁰

2474 N. 9.0 29.5 25.8 C3^Z

TP 3.89 49.22 45.33

F.H. S.W. COR.

F.H. S.W. COR. BOSTON & 36th

(5)

8.3 40.9

BOSTON AVE.
35th TO WAHASH
⑤ STW'S & GEX. 6" A.C. MAIN

12-27-55
SHOREY
KEMP
SMITH

13

TBM	0.23	34.32		34.09		
0+60 BEGIN WORK			3.6	30.7	26.0	CA ² ± NOT MKD
0+75			3.9	30.5	25.8	CA ²
1+00			4.4	29.9	25.2	CA ²
1+50			5.7	28.6	24.1	CA ⁵
2+00			7.3	27.0	22.7	CA ³
2+50			7.9	26.4	22.0	CA ⁴
3+00			8.7	25.6	21.6	CA ²
3+50			9.3	25.0	20.8	CA ²
3+75			9.6	24.7	20.4	CA ³
4+25			10.7	23.6	19.9	CA ²
TP	2.82	26.16	10.68	23.64		
4+50			3.7	22.8	17.7	CA ²
5+00			6.3	20.2	14.7	CA ⁵
5+50			8.2	18.3	10.7	CA ⁶
6+00 END WORK - 2" B.O.			15.3	11.2	5.5	CA ²
TP	8.84	34.50	0.80	25.66		
CK TBM			0.42	34.08	= 34.09	

S.E.F.H. BOSTON & 35th ST.

WATER METERS

34.32

1+93 N.	6.0	28.3	27.8	CO ⁵	"3478"
2+10 S. ACACIA ST.	8.4	25.9	26.6	FO ²	
2+14 S. ACACIA ST.	8.5	25.8	26.6	FO ²	
2+37 N.	6.4	27.9	26.8	CIL	"3468"
2+72 S.	8.7	25.6	25.8	FO ²	"3441"

(SET METERS!)

12" LT. & 32" RT.

SET 49' LT.
SET 54' LT.

BOSTON AVE,
(CONT'D)

74

WATER METERS

34.32

2+75 N.	7.2	27.1	26.3	C0 ⁸	
3+24 N.	8.1	26.2	25.5	C0 ⁷	"3456"
3+61 S.	9.3	25.0	24.2	C0 ⁸	"3427"
3+78 N.	8.9	25.4	24.5	C0 ²	"3448"
4+18 N.	9.7	24.6	23.2	C1 ⁴	"3440"
4+61 N.	3.5	23.0	21.4	C1 ⁵	"3434"
4+62 S.	3.7	22.8	20.8	C2 ⁰	
4+84 S.	5.2	21.3	19.4	C1 ⁹	
4+87 N.	4.3	22.2	19.5	C2 ²	"3430"
5+36 S.	7.7	18.8	15.5	C3 ³	"3423"
5+43 N.	8.5	18.0	15.4	C2 ⁶	"3418"

(SET METERS!
12⁵ LT. & 32⁵ RT.)

GRADES FOR LOWERING
12" C.I. AT WITHERBY & LINWOOD
0+00 = E. LINWOOD ST. OR
HAYDEN WAY

12-30-53
SHIBBY
KEMPT
SMITH
2" PIPE

BM	11.11	184.37	173.26
0+74 ²⁰		10.1	174.3
0+86 ²⁰	END 12" C.I.	3.5	180.9
0+98 ²⁰		0.5	183.9
TP	11.54	195.42	0.49 183.88
1+11 ²⁰		7.8	187.6
1+23 ²⁰		4.1	191.3
1+36 ²⁰		6.3	194.1
TP	0.62	184.40	11.64 183.78
CK. B.M.		11.10	173.30 = 173.26

0+52 ²⁰	END OF 8" A.C.	16.9.8	160.0	C9 ⁸
0+61 ²⁰		171.2	163.5	C7 ²
0+74 ²⁰		10.1	174.3	C6 ²
0+86 ²⁰	END 12" C.I.	3.5	180.9	C8 ³
0+98 ²⁰		0.5	183.9	C6 ³
TP	11.54	195.42	0.49 183.88	
1+11 ²⁰		7.8	187.6	C5 ²
1+23 ²⁰		4.1	191.3	C4 ⁸
1+36 ²⁰		6.3	194.1	C2 ²
TP	0.62	184.40	11.64 183.78	
CK. B.M.		11.10	173.30 = 173.26	

NOTE: F.D. CONC. MEN.
74.20' E. OF E. HAYDEN WAY -
2" PIPE 30' SE. N/W WITHERBY

NOYES ST.
 REED TO BEYL
 WATER METERS & VALVES
 0+00 = N/L REED

1-3-56
 SHARPEY
 MARTELL
 KEMP
 SMITH

76

NAIL IN P.P. IN ALLEY NGR. REED ST.

BM	2.90	31.49	28.59				
1+74 E.			3.5 28.0	25.6	C2 ⁴	"4277"	(SET METERS 22 ⁵ N.T. & ET.)
1+85 W.			6.4 25.1	25.4	F0 ³	"4276"	
2+43 W.			5.2 26.3	26.4	F0 ²	"2075 & 2077"	THOMAS
3+98 W.			4.1 30.4	28.6	C1 ⁸	"2076"	"
TP	10.10	39.21	2.38 29.11				
4+44 W.			8.1 31.1	30.0	C1 ¹	"4318"	NOYES
5+23 W.			7.8 31.4	31.4	C0 ²	"4322"	"
5+31 E.			6.8 32.4	31.8	C0 ⁶	"4325 & 4327"	"
5+36 W.			7.7 31.5	31.6	F0 ¹	"4334"	"
5+82 W.			6.8 32.4	33.1	F0 ⁷	"2075"	GRAND
6+34 (2 G.V.)			5.1 34.1	35.10	F1 ²		
TP	10.13	48.06	1.28 37.73				
7+31 (2 G.V.)			11.7 36.4	37.30	F0 ⁹		
7+68 E.			8.8 39.3	38.4	C1 ¹	"4403"	
8+00 E.			5.9 42.2	39.6	C2 ⁶	"4409 & 4411"	NOYES
8+14 W.			4.7 43.4	40.4	C3 ⁰	"2065"	BALBOA
8+47 E.			4.4 43.7	41.3	C2 ⁴	"4415 & 4417"	NOYES
TP	11.20	57.58	1.68 46.38				
10+46 G.V.			7.5 50.1	46.3	C3 ²		
11+30 W.			2.3 52.3	50.3	C5 ⁰	"4450"	CK'd OK. AS
11+66 W.			1.0 56.6	52.2	C4 ⁴	"4458"	
TP	6.62	63.47	0.73 56.85				
12+13 W.			5.6 57.9	55.0	C2 ²	"4460"	
12+59 E.			4.8 58.7	58.0	C0 ⁷	"4477"	
TP	6.31	68.25	1.53 61.94				S.W. CL. RETURN GARNET

NOYES ST.
(CONT'D)

77

68.25

16+37 W.			4.1	64.2	62.2	CO ²	"4528"	(SET METERS 22 ⁵ LT. & BT.)
17+28 E.			3.2	65.1	64.8	CO ²	"4535"	SET METER 31 ³ BT.
17+98 G.V. 6 RT. & E (3)			2.5	65.8	66.0	FO ²		
TP	12.53	78.95	1.83	66.42		CO ²		
18+18 E.			11.8	67.2	67.1	FO ²		
18+87 E.			2.3	67.2	67.9	FO ²		
19+76 E.			7.9	71.1	72.2	FO ²	"4625"	
20+97 (2 G.V. 7 RT. & 10 ⁵ RT.) (3)			4.0	75.0	76.0	FO ²		
TP	10.71	88.48	1.38	77.57	75.8	FO ²		
22+11 W.			8.2	80.3	79.0	CO ²	"4662"	
23+20 E.			6.1	82.4	82.7	FO ²	"4675"	
23+82 E.			2.9	85.8	86.0	FO ²	"2105"	DIAMOND
24+34 G.V. 10 RT. & E (3)			1.7	86.8	87.5	FO ²		
24+52 G.V. 10 RT. & E (3)			0.7	87.8	87.8	CO ²		
CK. B.M.	12.34	99.93	0.66	87.82 = 87.59				E LYT DIAMOND ST.
TP	12.64	112.03	0.54	99.39		CO ²		CHURCH
26+90 W.			3.3	108.7	107.8			
27+28 E.			0.6	111.4	109.8	CO ²	"2101"	MISSOURI
TP	12.88	124.76	0.15	111.89				
28+59 W.			6.5	118.3	116.5	CO ²	"4752"	NOYES
29+32 W.			1.0	123.8	122.3	CO ²	"4760"	
TP	12.76	137.37	0.15	124.61				
29+59 W.			11.4	126.0	125.0	CO ²	"4768"	
30+05 W.			6.9	130.5	127.4	CO ²	"4771"	
TP	12.74	149.84	0.27	137.10				
30+98 W.			5.9	143.9	144.5	FO ⁶	"4774"	
31+12 WATER VAULT 10 RT. & E (3)			4.1	145.7	145.2	CO ²		
31+16 ⁵ G.V. 10 RT. & E			3.6	146.2	145.6	CO ²		
31+50 G.V.			+ 1.6	151.4	149.2	CO ²		
TP	0.07	136.93	12.98	136.86				
TP	0.30	124.33	12.90	124.03				
TP	0.52	111.31	13.34	110.99				
TP	0.14	98.51	13.14	98.37				
CK. B.M.			10.88	87.63 = 87.59				E LYT DIAMOND & NOYES

MISSOURI ST.
WATER METERS & VALVES
0+00 = W. LINE OLNEY ST.

TP	8.30	119.70		111.40	
TP	3.13	118.55	4.28	115.42	
0+10 S.F.H.	21 ¹ LT				
⑤			9.1	109.5	110.4
0+10 F.H.G.V.	⑤		8.9	109.7	110.1
0+18 N.			6.2	112.4	112.1
0+91 N.			4.8	113.8	113.2
1+23 N.			3.6	115.0	114.0
1+58 N.			3.0	115.6	114.7
2+21 N.			2.2	116.4	115.2
2+24 S.			5.2	113.4	113.7
2+41 N.			2.2	116.4	115.2
2+75 N.			2.1	116.5	115.0
2+76 S.			4.9	113.7	113.4
3+22 S.			4.7	113.9	113.2
TP	5.26	119.07	4.74	113.81	
3+26 N.			2.9	116.2	114.8
3+57 N.			3.6	115.5	114.6
3+75 S.			6.0	113.1	113.0
4+18 N.			4.5	114.6	114.3
A+25 S.			6.1	113.0	112.7
A+51 N.			4.2	114.9	114.1
CK. TP			7.67	111.40	111.40

1-12-56
SHOREY
KEMP
MARTELL
SMITH

78

WATER METER 27+28 E. NOYES ST.

FO²

FO⁴

CO³

CO⁶

CO⁸

CO⁹

CO²

FO³

CO²

CO⁵

CO³

CO²

CO⁴

CO²

CO¹

CO³

CO³

CO⁸

HORN BLEND + NOYES
EL. TOP EXISTING G.V. STEM.

11964L

B.M.	0.23	54.38	54.15
0+45		9.07	45.31
0+45		4.48	49.90
Check B.M.	0.22	54.16	= 54.15

45.31

West
WILLIAMS T
VARONFAKIS
KellHofer P

4/12/56 79

WINDY + RAINING

N.W.L+T ⊕ HORN BLEND + MORRELL

TOP G.V. STEM.

TOP GROUND

(0+00 IS. W. PROP. NOYES)

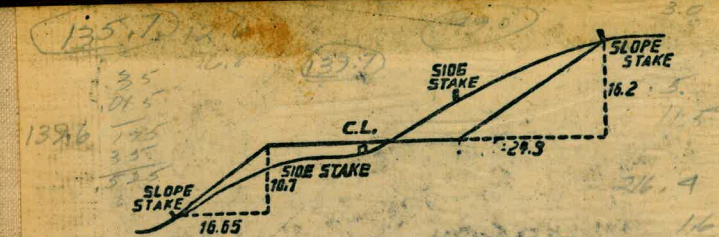
G.V. 15 49' So. OF No. PROP. HORN BLEND

46.55 F 1²⁴ TO FINISH GRADE

.9	
1.35	0
2.85	1
4.35	2
5.85	3
7.35	4
8.85	5
10.35	6
11.85	7
13.35	8
14.85	9
16.35	10
17.85	11
19.35	12
20.85	13
22.35	14
23.85	15
25.35	16
26.85	17
28.35	18
29.85	19
31.35	20
32.85	21
34.35	22
35.85	23
37.35	24
38.85	25
40.35	26
41.85	27
43.35	28
44.85	29
46.35	30
47.85	31
49.35	32
50.85	33
52.35	34
53.85	35
55.35	36
56.85	37
58.35	38
59.85	39
61.35	40
62.85	41
64.35	42
65.85	43
67.35	44
68.85	45
70.35	46
71.85	47
73.35	48
74.85	49
76.35	50

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

Handwritten notes and calculations on the left page, including numbers like 1710 N, 1740 N, 2400 S, and various arithmetic operations.



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.
 SLOPE 1 1/2 TO 1. ROADWAY OF ANY WIDTH.

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

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