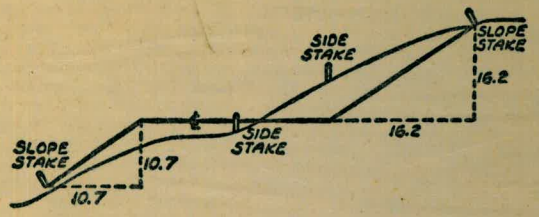

Distances from Side Stakes for Cross-Sectioning

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.

GH2C 14287

1.0142
19
12 7278
14 142
26.8698

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

area Kay Lab

Location of FH Kearny Mesa Industrial ✓ 74
alice

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Row & Prop. Cor.s Flagged for access road ✓ 75
Chesterton P.L & PUMP PLANT

Harbor Front P.L. TIES at SWITZER ✓ 76
CANYON STORM DRAIN
alice

POE ST.

WILLOW ST. TO 200' WLY OF PLUM ST.
& PROFILE PROPOSED 6" A.C. MAIN

6+41.21 △ 30°02' RT

4+39.61 = WLY LINE PLUM ST.

3+69.61 = ELY LINE PLUM ST.

3+23.47 P.O.T.

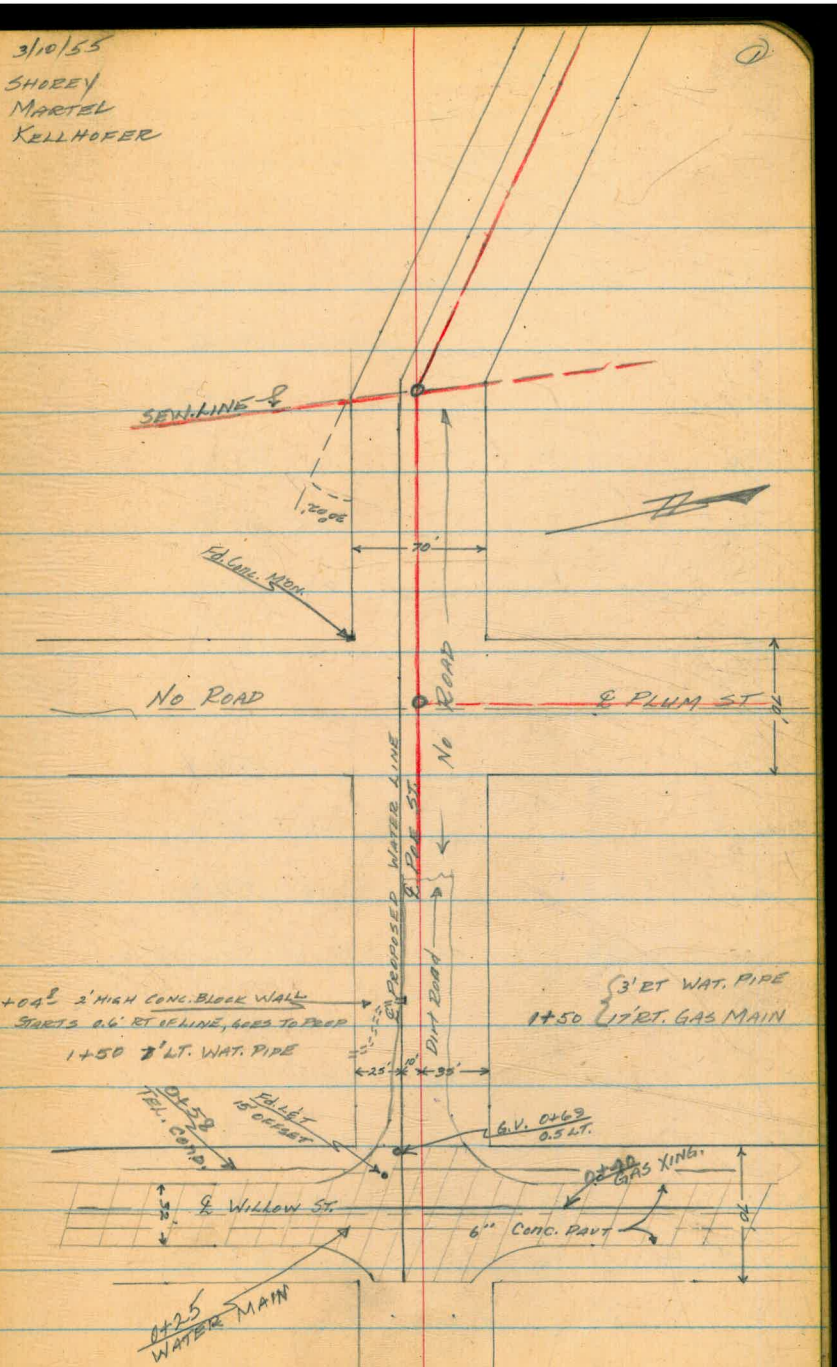
3+20 - END OF DIRT ROAD

1+28.93 P.O.T.

0+70 = WLY LINE OF WILLOW ST.

0+00 = ELY LINE OF WILLOW ST.

3/10/55
SHOREY
MARTEL
KELLHOFER



POE ST.

WILLOW ST. TO 200' WLY OF PLUM ST.
& PROFILE PROPOSED 6" A.C. MAIN

	5.74	183.53 ✓		177.79 ✓	B.P. SWLY COR. POE & WILLOW
0+00			2.7	180.8	TOP OF SPOIL BANK
0+03			4.61	178.92	ON CONC. PAVT.
0+50			5.21	178.32	" " "
0+70			5.55	177.98	EDGE CONC. PAVT
1+00			2.9	180.6	
1+10			2.4	181.1	
1+50			4.8	178.7	
2+00			11.5	172.0	
2+04.8			10.9	172.6	TOP CONC. BLOCK WALL (2' HIGH)
2+05.5			12.9	170.6	GRD BACK OF WALL
TP	0.63	171.01 ✓	13.15	170.38 ✓	
2+50			6.7	164.3	
TP	1.21	159.26 ✓	12.96	158.05 ✓	
3+00			2.3	157.0	
3+21			4.9	154.4	
3+23.47 P.O.T			4.2	155.1	
TP	1.36	157.22 ✓	3.40	155.86 ✓	
3+27			3.1	154.1	

	LT	RT
	5.7 / 10	4.6 / 10
	7.2 / 10	4.6 / 10
	6.8 / 10	2.9 / 10

POE ST.

WILLOW ST. TO 200' WLY PLUM ST.

& PROFILE PROPOSED 6" A.C. MAIN

					LT	RT
		157.22				
TP	1.29	145.91 ✓	12.60	144.62		
3+50			7.7	138.2	9.3/10	6.2/10
TP	0.10	133.45 ✓	12.56	133.35 ✓		
3+63			0.9	134.6		
3+89			9.7	123.8		
TP	0.19	121.35 ✓	12.29	121.16 ✓		
4+00			4.0	117.4	4.4/10	2.4/10
			3.38	117.97 ✓		
			9.9	111.5 ✓		
4+21			8.4	113.0		
TP	0.25	108.55 ✓	13.05	108.30 ✓		
4+50			2.9	105.7	5.1/10	2.6/10
4+70			8.1			
TP	1.90	97.17	13.28	95.27		
5+00			3.5		6.1/10	3.5/10
5+12			6.7			
5+27			11.5			
TP	0.65	85.02	12.80	84.37		
5+50			5.4		7.1/10	5.3/10
5+63			8.4			
5+87			15.4			
TP	0.35	73.07	12.31	72.72		
6+00			2.5		3.9/10	1.1/10

4+07 SEW M.H. 10' RT. WLY EDGE TO FLOW LINE

POE ST

WILLOW ST. TO 200' WLY PLUM. ST.
& PROFILE PROPOSED 6" A.C. MAIN

		73.07			
6+08			2.5		
6+11			0.8		
6+21			4.2		
6+22			4.3		
6+29			7.1		
6+41 21'			9.84 21.84 9.8	63.23 51.23	
TBM	6.33	72.54	6.86	66.21	
CK BM			0.81	71.73	= 71.70

	LT	RT
6+38 SEW M.H. 9.5' RT WLY EDGE TO FLOW LINE	9.8 10	9.2 10

ELY END CONC. BLOCK WALL @ 3506 POE ST.

N.W.B.P. POE & CAPISTRANO

HARTFORD ST.

MILTON ST. SLY

& PROFILE PROPOSED 6" A.C. MAIN.

3/11/55

SHOREY

MARTEL

KELLHOFER

⑤

4+98 66 END OF LINE

1+92 68 E.C.

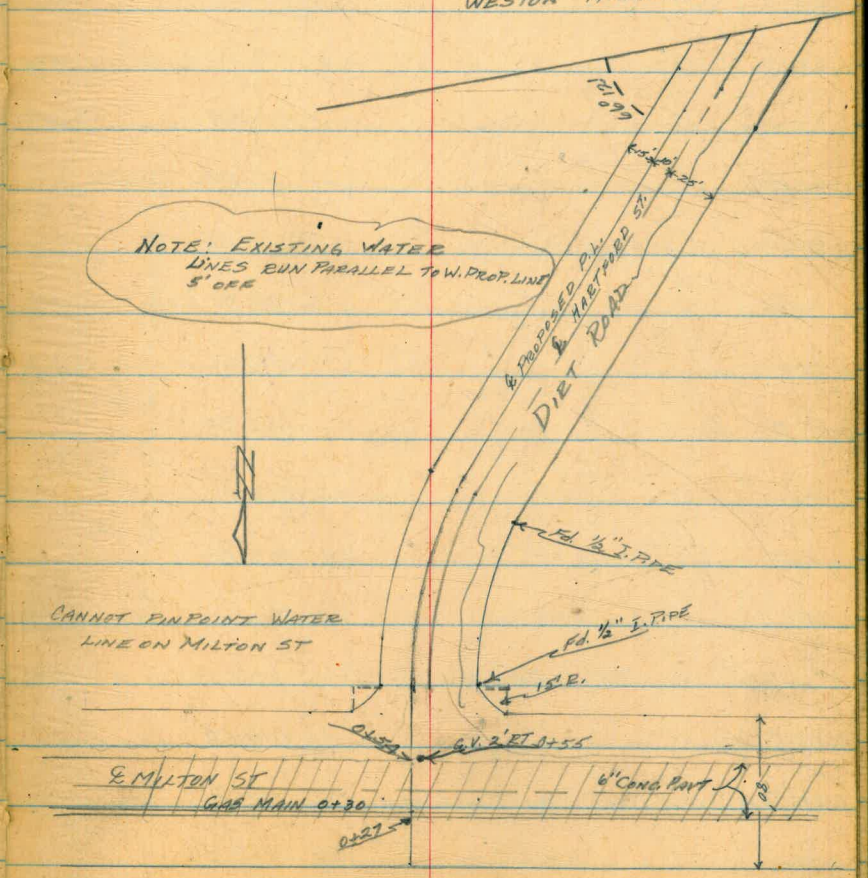
Δ = 23°49'

R.L.R. = 235'

L = 97.68

DEF = 7,3143

0+95 B.C.



HARTFORD ST.

MILTON ST. SLY

& PROFILE PROPOSED 6" A.C. MAIN

				LT	RT
	8.44	143.50	135.06	F.B. 1759 Pg. 8 ON 1/2" PIPE P.C.C. 15'E HARTFORD & MILTON (S.W. COR.)	
0+00			6.3 137.20	5.0/10 X	8.5/10
0+09			7.3 136.20	6.3/10 X	9.3/10
0+14			10.4 133.10	8.9/10 X	11.6/10
0+19			10.0 133.50	A.C. SHOULDER	
0+27			10.43 133.07	EDGE CONC. PAVT.	
0+40			10.22 133.28	& MILTON ST	
0+50			10.26 133.24	8.88/10 X	11.74/10
0+54			10.38 133.12	EDGE CONC. PAVT.	
0+62			9.8 133.70	EDGE A.C. SHOULDER	
0+75	B.C.		8.0 135.50	2.6/10 7.8/2 X	8.9/10
1+00			7.2 136.30	2.7/10 7.1/1 X	8.2/10
1+25			3.6 139.90	+0.8/10 1.5/8 X	4.7/10
1+50			0.9 142.60	+0.2/10 X	2.0/10
PT		8.71 151.30	0.91 142.59		
1+75			7.1 144.20	6.4/10 X	7.7/10
1+92.68	E.C.		6.2 145.10	5.5/10 X	6.5/10
2+00			5.8 145.50	5.3/10 X	6.0/10

REDUCED BY H.C. BREWSTER 3-28-55

HARTFORD ST.
MILTON ST. SLY
& PROFILE PROPOSED 6" A.C. MAIN

REDUCED BY H.C. BREWSTER 3-26-55

					LT		RT
		151.30					
2+50			4.5	146.80	4.4/10	x	4.7/10
3+00			4.9	146.40	4.9/10	x	5.1/10
3+50			5.5	145.80	5.3/10	x	5.7/10
4+00			6.3	145.00	6.1/10	x	6.6/10
4+50			7.4	143.90	7.1/10	x	7.9/10
4+98 44	END OF LINE		8.1	143.20	8.5/10	x	7.9/10
TT		2.00	144.15	9.15	142.15		
CK. BM.				9.10	135.05 = 135.06		

PLUM ST.

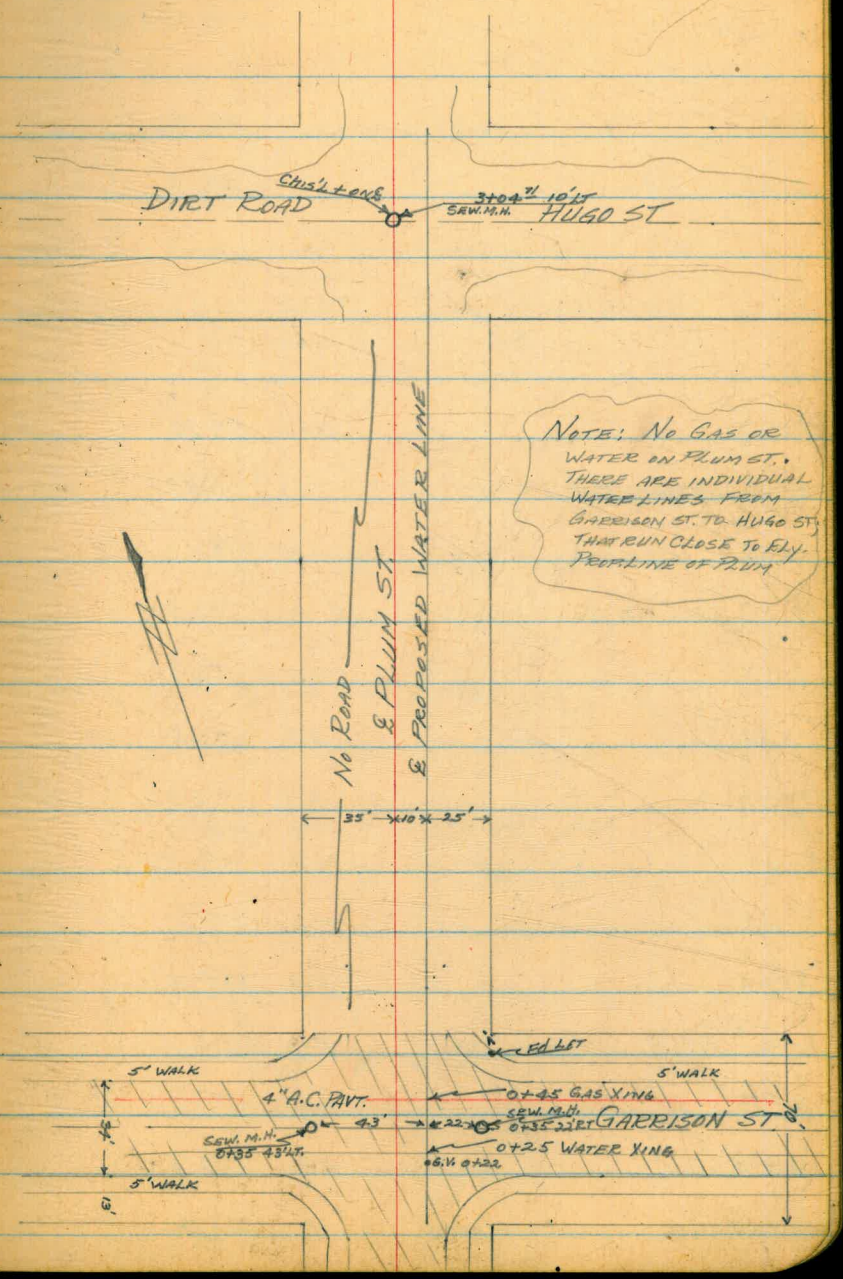
GARRISON ST. TO HUGO ST.
& PROFILE PROPOSED 6" A.C. MAIN

3+39.71 NLy. PROP. LINE HUGO ST.

0+00 = SLy. PROP. LINE GARRISON ST.

SHOREY
MARTEL
KELLHOFER

(8)



PLUM ST.

GARRISON ST. TO HUGO ST.

& PROFILE PROPOSED 6" A.C. MAIN

B.M.	10.59	93.01		82.42
0+00	ON A.C. PAVT		6.71	86.3
	SEW. M.H.	ON TOP	6.00	
	" "	F.L	12.20	
	SEW. M.H.	ON TOP	8.26	
	" "	F.L.	13.60	
0+50			7.65	85.36
0+70	EDGE A.C. PAVT.		7.53	85.48
1+00			2.5	90.51
TP	11.63	104.50	0.14	92.87
1+13			11.1	93.4
1+32			8.3	96.2
1+50			6.7	97.8
TP	9.72	114.09	0.13	104.37
2+00			10.4	103.7
2+03			10.0	104.1
2+14			5.4	108.7
2+16 8'	P.O.T		5.4	108.7
2+50			4.4	109.7
2+60			4.4	109.7
2+87			6.7	107.4

3/22/55

SHOREY
MARTEL
KELLHOFER

N.E.B.P. PLUM & GARRISON

43' WLY 0+35

22' ELY. 0+35

LT				RT		
0.4 / 10	1.7 / 2		3.7 / 6	2.9 / 10		
9.5 / 10	10.1 / 7	11.3 / 3		12.5 / 7	10.9 / 10	11.0 / 13
6.5 / 10	6.2 / 9		6.9 / 10			
10.3 / 10			9.6 / 5	8.8 / 10		
4.1 / 10	5.2 / 5		5.8 / 8	6.4 / 10		
3.9 / 10			4.6 / 10			

PLUM ST.

GARRISON ST. TO HUGO ST. (CONT'D)

					LT		RT
		114.09					
3+00			6.6	107.5	6.4/10	X	6.8/10
	SEW. M.H. ON TOP		6.19	107.90			
	" " F.L.		14.20	99.89			
3+39 71	NLy. PROP. HUGO ST.		6.1	108.0.	5.8/10	Y	6.3/10
TP		1.21	105.26	10.04	104.05		
TP		0.65	92.73	13.18	92.08		
CK. B.M.				10.30	82.43 = 82.42.		

HUGO ST.

CLOVE ST. TO CANYON SLY. OF PLUM ST.
& PROFILE PROPOSED 6" A.C. MAIN.

6+00 - END OF LINE

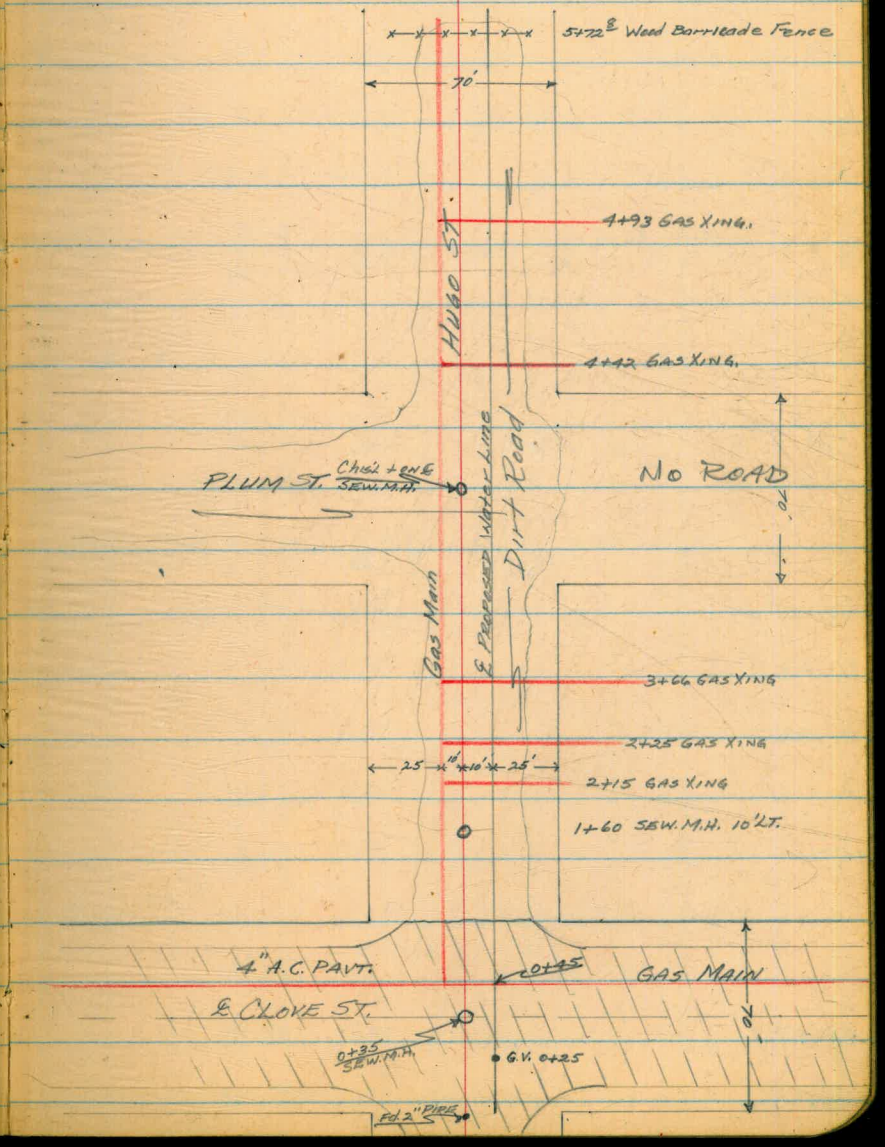
NOTE: Sta 0+00 on pipe line dwg. (No) was set at the East line of Clove St. therefore Sta 0+70 this survey = 0+00 on plan. 3/28/55

4+04 20 = ℄ PLUM ST.

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

3/25/55
SHOREY
MARTEL
KELLHOFER

(11)



HUGO ST.

CLOVE ST. TO CANYON ELY PLUM ST.

TBM	11.27	119.17		107.90
TP	12.82	130.38	1.61	117.56
TP	3.77	132.05	2.10	128.28
0+00	ON A.C. PAVT.		1.59	130.46
	SEW. M.H. 10'LT. F.L.		{3.77 6.96	128.28 125.58
TP	2.10	130.38	3.77	128.28
0+50	ON A.C. PAVT.		2.74	127.64
0+74			4.37	126.01
1+00			8.9	121.48
TP	1.71	119.17	12.92	117.46
1+50			3.7	115.47
	SEW. M.H. 10'LT. F.L.		{4.82 10.80	
2+00			6.8	112.4
2+50			8.6	110.6
3+00			9.9	109.3
3+50			10.9	108.3
4+00			11.5	107.7
	SEW. M.H. 10'LT. F.L.		{11.27 19.27	107.90
TP	2.91	110.75	11.33	107.84
4+50			4.8	105.95
5+00			8.5	102.25

TBM ON RIM OF SEW. M.H. ON ℄ PLUM & HUGO (SEE Pg. 10)

0+35 10'LT.

EDGE A.C. PAVT.

TOP RIM - 1+60

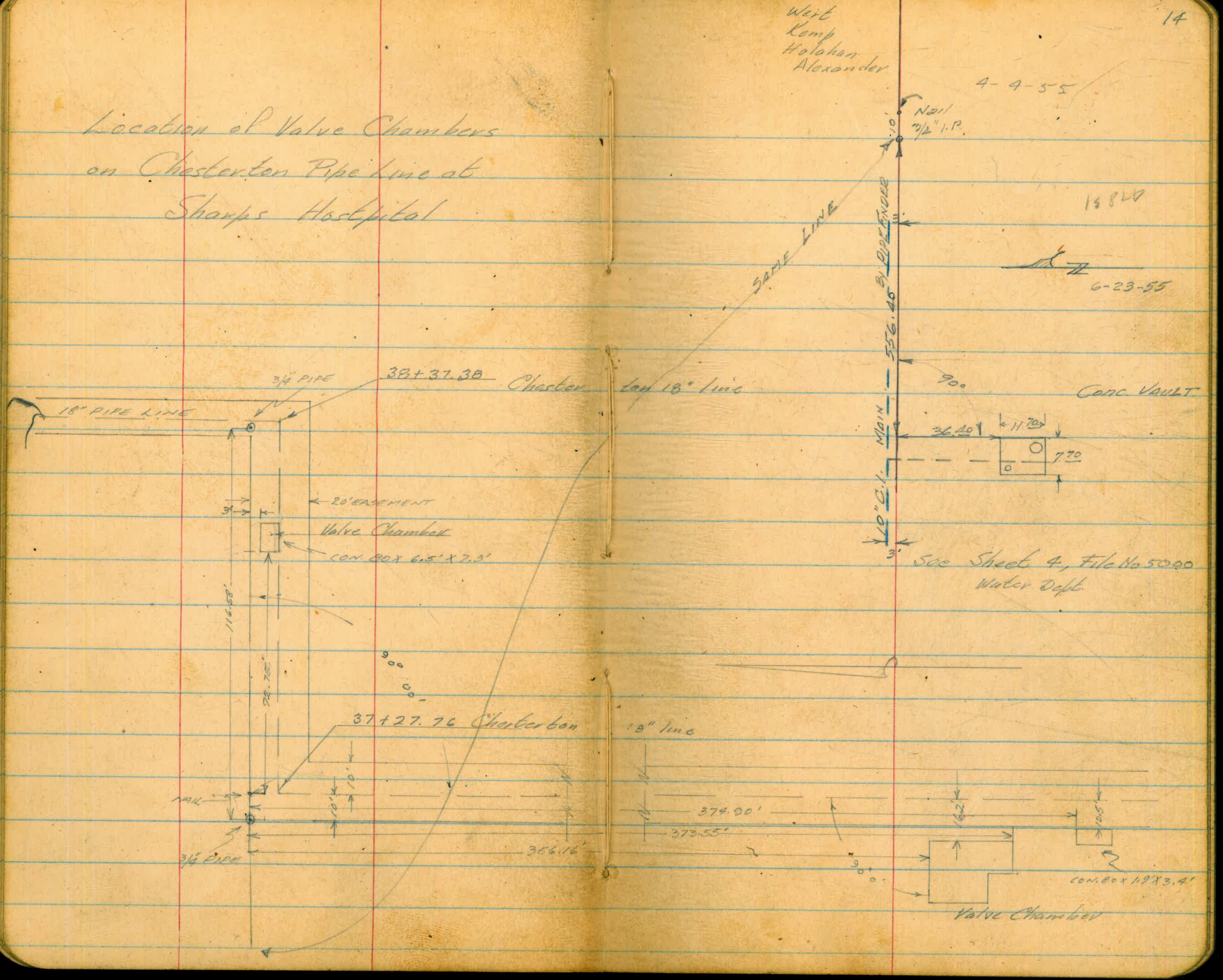
4+04.20

		110.75			
5+50			12.2		
TP	1.18	99.72	12.21	98.54	
5+75			2.5		
5+80			1.8		
6+00			9.7		
TP	10.28	109.41	0.59	99.13	
CK. TBM			1.51	107.90	SEW. M.H. @ PLUM & HUGO

Weir
Kemp
Hotchkin
Alexander

4-4-55

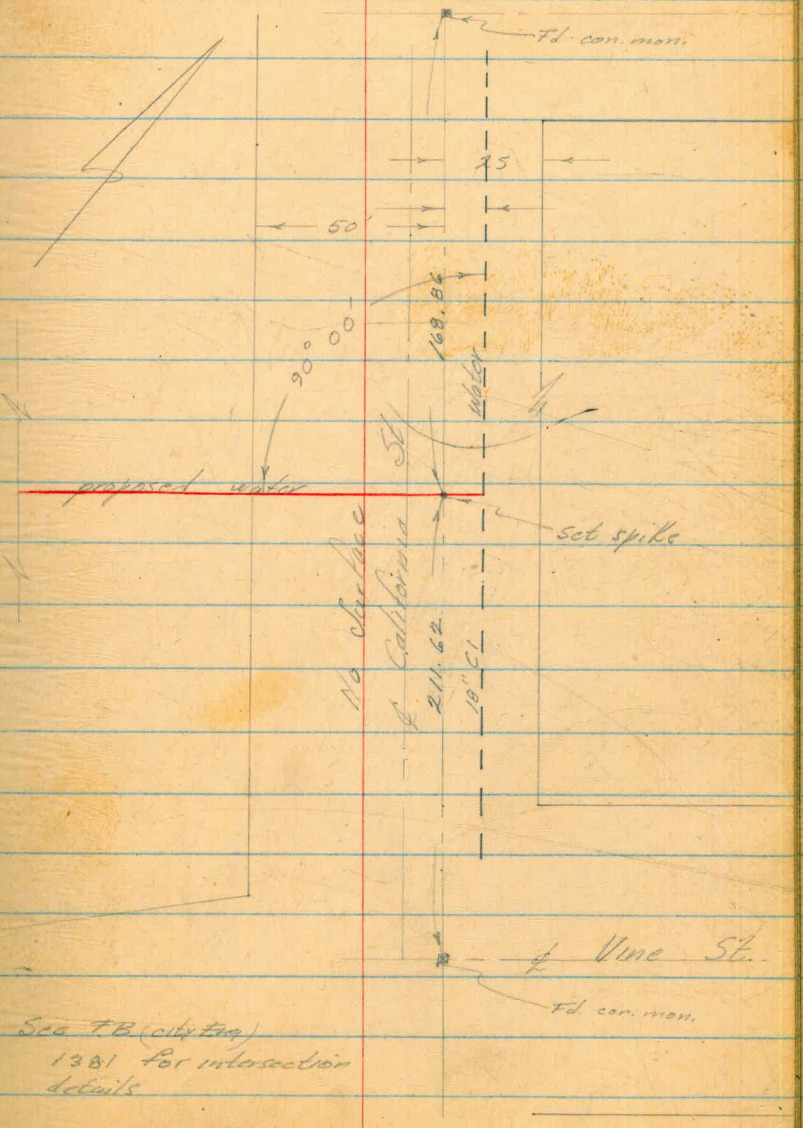
Location of Valve Chambers on Chesterton Pipe Line at Sharps Hospital



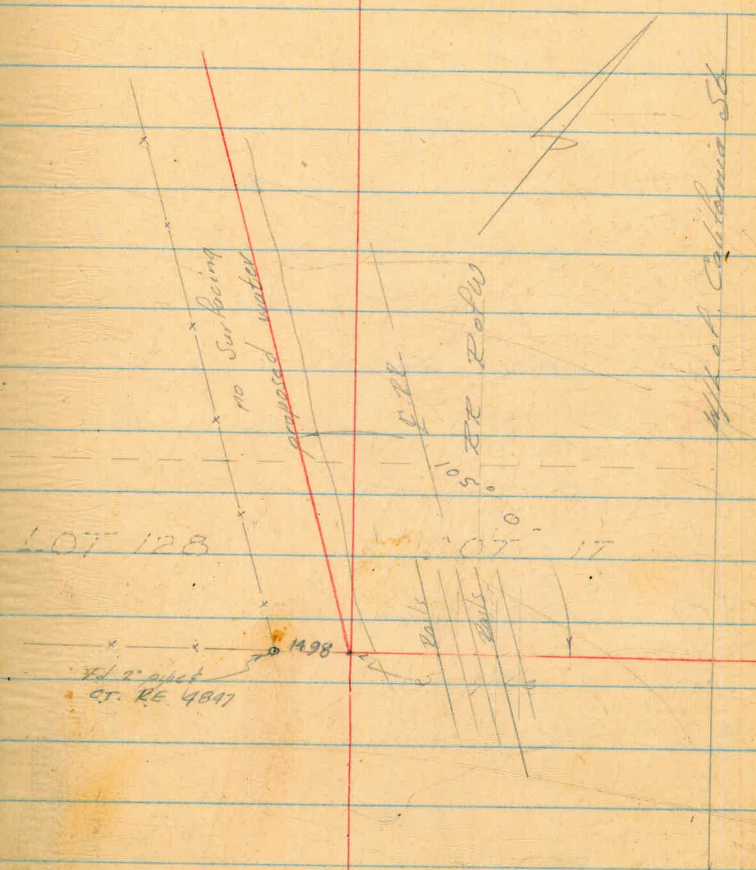
Profile & Proposed Water Line
From 18" line on California St, 200 Ft
No. of Vine St, to 200' West.
(City Force Work)

Work
Kemp
Holahan
Alexander

4-5-55



See F.B. (city Eng)
1381 for intersection
details


no Surfacing
proposed water
LOT 128
14.98
Fd 2" pipe
C.T. RE 4847
LOT 17
RR Row
W. l. of California St.

		39.58	SE. BP. Vine & Kettner
	3.16	42.74 ✓	
	12.45	30.29 ✓	
	0.00	30.29 ✓	
	4.52	25.77 ✓	
	4.59	30.36 ✓	
0+00	5.0	25.4	18" Cl. water line
0+10	5.2	25.2	
0+40	5.4	25.0	
0+50	4.2	26.2	
0+56	3.0	27.4	
0+65	3.8	26.6	
0+82	5.7	24.7	
0+91	8.4	22.0	
1+00	7.2	23.2	
1+09	7.9	22.5	E. side of RR bed
1+11.60			Rail
1+16.72			Rail

	30.36		
1+26.05			Rail
1+31.15			Rail
1+35		9.0	21.4 West side RR bed
1+42		9.9	20.5
1+50		13.2	16.2
T.P.		13.21	17.15 ✓
	5.62	22.77 ✓	
1+55	A point 105° Lt.	5.8	17.0
2+00		5.0	17.8
2+50		4.2	18.6
3+00		4.4	18.4
3+25		4.1	18.7
T.P.		4.74	18.03 ✓

	Left	Right
17.1	5.7 / 5'	5.6 / 5'
	5.0 / 5'	5.0 / 5'
	4.2 / 5'	4.2 / 5'
	4.4 / 5'	4.2 / 5
	4.1 / 5'	4.1 / 5'

TBM 2" pipe So. line lot 128 & 17

43RD ST.
DIVISION ST. TO ETA ST.
℄ PROFILE PROPOSED WATER MAIN

SHOREY
MARTEL
KELLHOFER

4/22/55

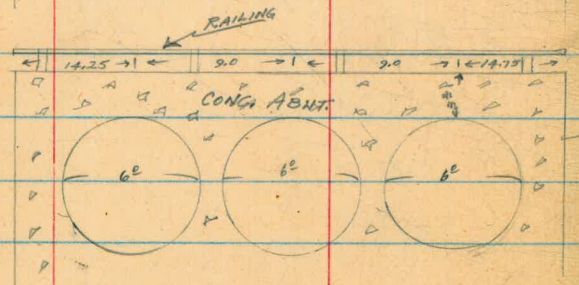
19

6+88 65

3+70

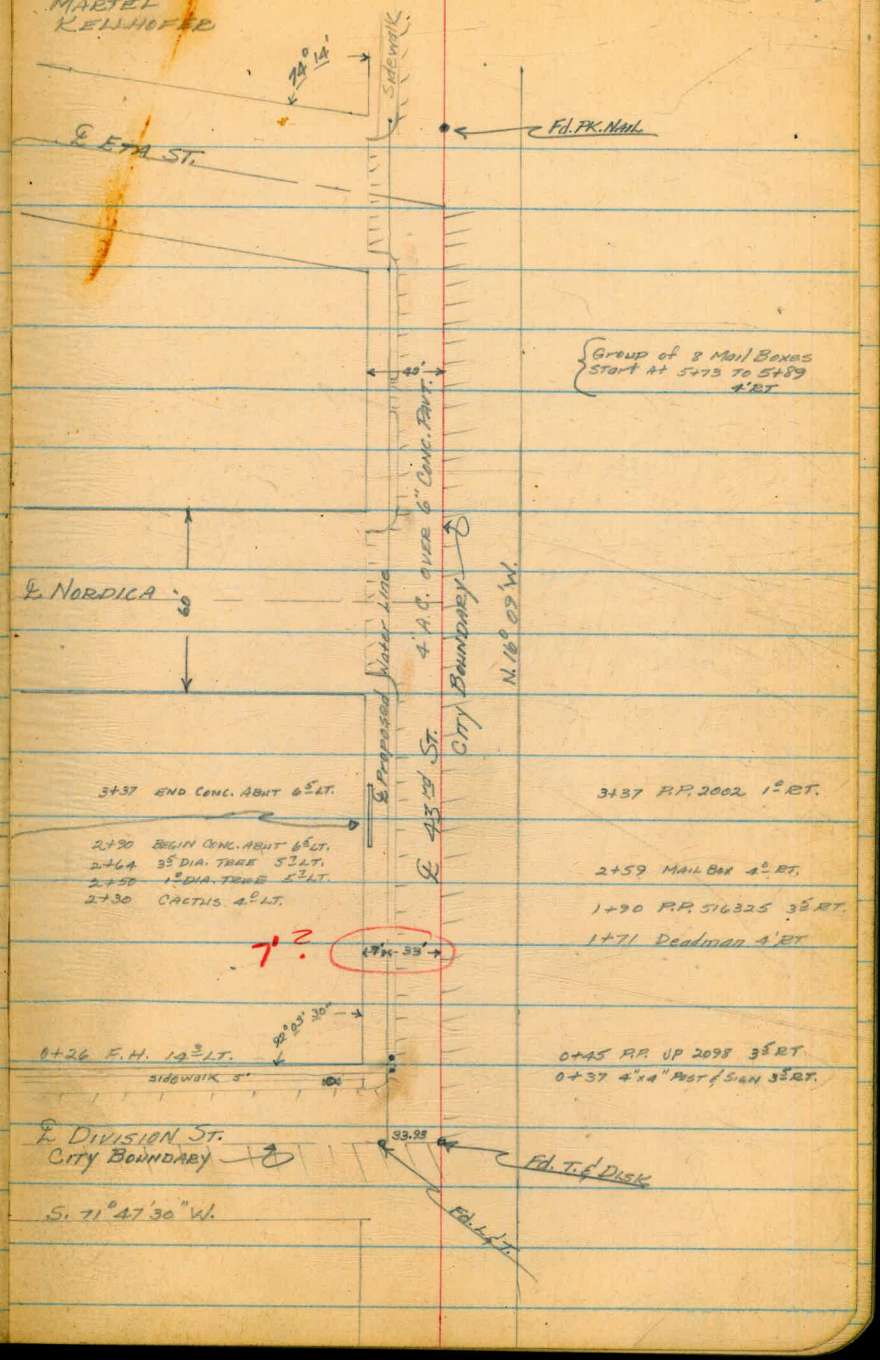
3+37

2+90



0+40 = PROP. LINE

0+00 = CITY BOUNDARY = 0+40 on Drwg.



43rd ST. (CONT'D)

B.M.	1.87	35.33 ✓		33.46
0+00			1.17	34.16
0+25	GUTTER		2.64	32.69
0+25	TOP OF CURB		2.00	33.33
0+37	EDGE OF SIDEWALK		2.37	32.96
0+50			2.5	32.8
1+00			4.4	30.9
1+50			4.9	30.4
2+00			4.9	30.4
2+50			5.2	30.1
2+90			4.9	30.4
3+00			5.1	30.2
3+37			4.7	30.6
TP	13.33	43.80 ✓	4.86	30.47 ✓
3+43	TOP CURB ON ℄		13.05	30.75
3+43	A.C. PAVT.		13.65	30.15
3+50			13.50	30.30
3+96.5	A.C. PAVT.		12.32	31.48
3+96.5	TOP OF CURB		11.79	32.01

0+60 ± Main ℄ 47½° Rt.

N.W.B.P. 43rd St. & DIVISION St.

	LT.	RT.
	0.98 /	1.32 /
	2.2± /	2.65 / 5.5 Cb / 3.25 5.5 GUTTER
	2.7 /	2.99 / 5.5 Cb / 3.70 5.5 GUTTER
	4.3 /	4.24 / 5' Cb. / 4.96 5' GUTTER
	6.1 /	4.77 / 4.8 Cb. / 5.49 4.8 GUTTER
	7.4 5.1 / .3	4.97 / 5 Cb. / 5.67 5' GUTTER
	6.1 /	5.11 / 4.9 Cb. / 5.79 4.9 GUTTER
30.5	4.80 6.5 Top Conc. Abut.	
	4.8 /	5.28 / 5.1 Cb. / 6.20 5.1 GUTTER
30.3	4.96 / Top Conc. Abut.	5.9 /
	13.46 /	13.35 /

43rd ST. (CONT'D)

		43.80			
4+00			11.7	32.1	4+46 ± 0+60 ± (main) 1' right
4+50			10.5	33.3	
5+00			8.6	35.2	
5+02			8.8	35.0	4+60 - 4+90 4' JOG
5+22			8.1	35.7	
5+50			6.6	37.2	
6+00			4.5	39.3	
6+10	TOP OF CURB ON ℄		4.17	39.63	
6+10	GUTTER ℄ A.C. PAVT.		4.67	39.13	
6+50			2.97	40.83	4+90 ± End main 3' left
6+87	GUTTER		1.27	41.53	
6+87	TOP OF CURB		0.81	42.99	
7+00	ON CONC. SIDEWALK.		0.30	43.50	
TBM	2.30	42.28 ✓	3.82	39.98 ✓	
TP	4.39	35.28 ✓	11.39	30.89 ✓	
CK. B.M.			1.82	33.46 ✓	= 33.46

	LT.			RT.	
		12.3 / 7	X	11.68 2.5 Cb	12.20 2.5 GUTTER
		11.2 / 7	X	10.13 5 Cb.	10.77 5 GUTTER
		8.9 / 7	X	8.52 4 Cb.	9.07 4 GUTTER
			X	8.40 0.6 TOP Cb.	
			X	7.56 1' TOP Cb.	
37.6	6.2 / 7		X	6.62 4.9 Cb	7.18 4.9 GUTTER
39.3	4.5 / 7		X	4.52 4 Cb.	5.17 4 GUTTER
41.2	2.6 / 7		X	2.6 / 7	

TBM ON SWLY END CURB ETA. ST.

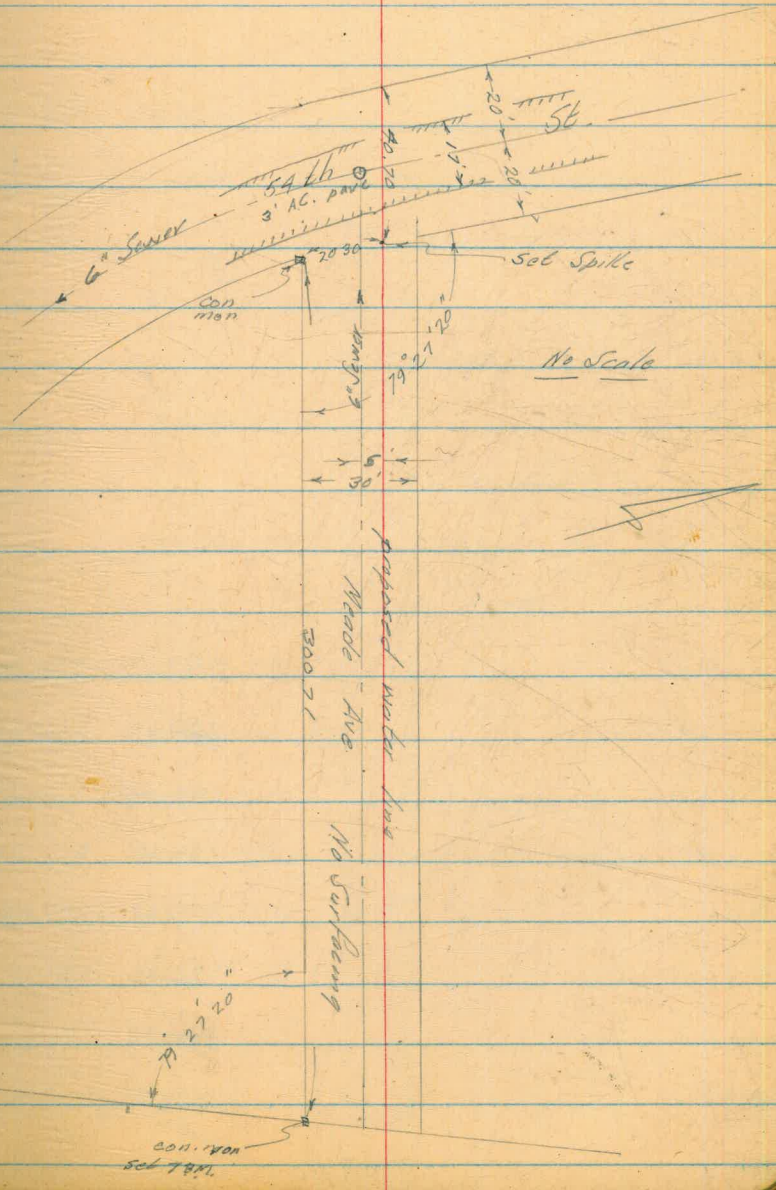
Wert
Kemp
Holahan
Alexander

5-2-55

Profile & Proposed Water Line

Meade Ave. 53rd St 300' East to Term.

0+00	W/L of 53rd
0+40.70	E/L of 53rd
3+01.41	con. man end of work



Meade Ave Cont.

			393.88	
			~~383.80~~ 385.66	
	16.20	396.56 ~~394.70~~		
T.P.			2.95 ~~392.25~~ 394.11	
	9.02	403.63 ~~401.27~~		
T.P.			10.25 ~~391.02~~ 393.38	
	6.34	399.72 ~~397.36~~		
T.P.			9.77 ~~387.59~~ 389.35	
	11.84	401.79 ~~399.43~~		
0+00			11.7 ~~387.73~~ 390.09	
0+14			10.9 ~~388.53~~ 390.89	
0+20			10.3 ~~389.13~~ 391.49	
0+20			10.65 ~~388.8~~ 391.14	
0+31			9.9 ~~389.53~~ 391.89	
0+50			8.8 ~~390.63~~ 392.99	
1+00			5.5 ~~393.93~~ 396.29	
1+50			4.0 ~~395.43~~ 397.79	

SW Copper Disk El Cajon & Dawson El 382.09
NW Copper Disk El Cajon & Dawson El.383.80

SW. RP. El Cajon & 53rd. (OUT) 393.87

NE COPPER DISK EL CAJON & DAWSON

Corr. elev. shown 5/13/53

Corr. B.M. Elev.

T.B.M.

CON MON SE COR 53RD & MEADE

WEST FACE 52ND ST.

" EDGE A.C. PAVE 53RD

SEWER CROSSING

" M.H. 5' RT. CUT 10.6 TO FLOW.

EAST EDGE A.C. PAVE 53RD

MEADE AVE CONT.

401.77
~~399.43~~

2+00	3.8	~~395.63~~ 398.0	
2+50	4.1	~~395.33~~ 397.69	
3+00	4.5	~~394.93~~ 397.29	
3+41.40	5.5	~~393.93~~ 396.29	
T.P.	5.96	~~393.47~~ 395.83	T.B.M. CON MON. east & South line of Mead

400.23
~~397.07~~ 4.90

T.P.	4.07	~~393.80~~	

~~396.76~~ 2.96

T.P.	12.96	~~383.80~~ = ~~383.80~~	NE COPPER DISK EL (A)ON & DAWSON

Wert
Kemp
Alexander
Holahan

5-2-55

Profile & Proposed Water Line
Holly St, Ozark St to Terminus

		164.10 ✓	NE FH OZARK & IMPERIAL
	4.22	168.32 ✓	
T. P.		1.24 167.08 ✓	
	7.95	175.03 ✓	
0+00		9.6 165.4	WEST PROP OZARK
0+30		8.9 166.1	
0+40		8.9 166.1	
0+50		7.8 167.2	
1+00		6.9 168.1	
1+50		5.9 169.1	
2+00		5.5 169.5	
2+50		5.4 169.6	
3+00		4.3 170.7	
3+40		2.9 172.1	
T. P.		2.16 172.87 ✓	T.B.M. PROP PIPE EE 1534 30' LT STA 4+00
	0.97	173.84 ✓	

HOLLY DR. CONT.

173.84

T. P. 8.16 / 165.68 ✓

2.59 / 168.27 ✓

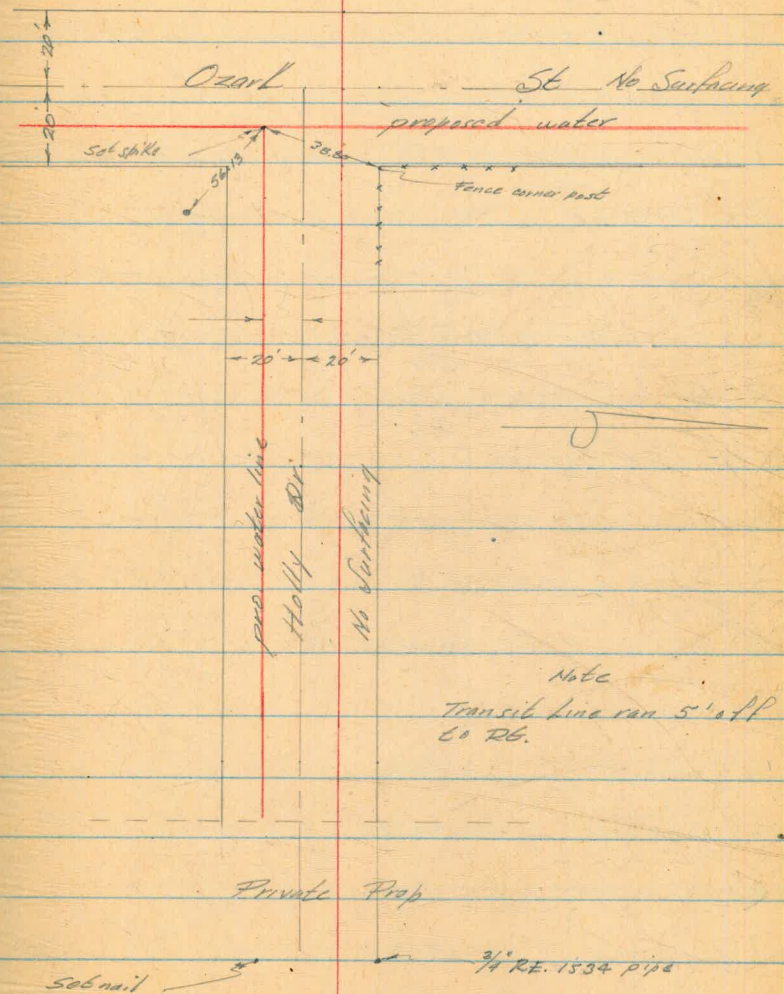
T. P. 9.15 / 169.12 = 169.10 NEEH OZARK & IMPERIAL
V

Holly Dr Court

0+00 w/p of Ozark

3+40 End work

4+00 +- 3/4" pipe

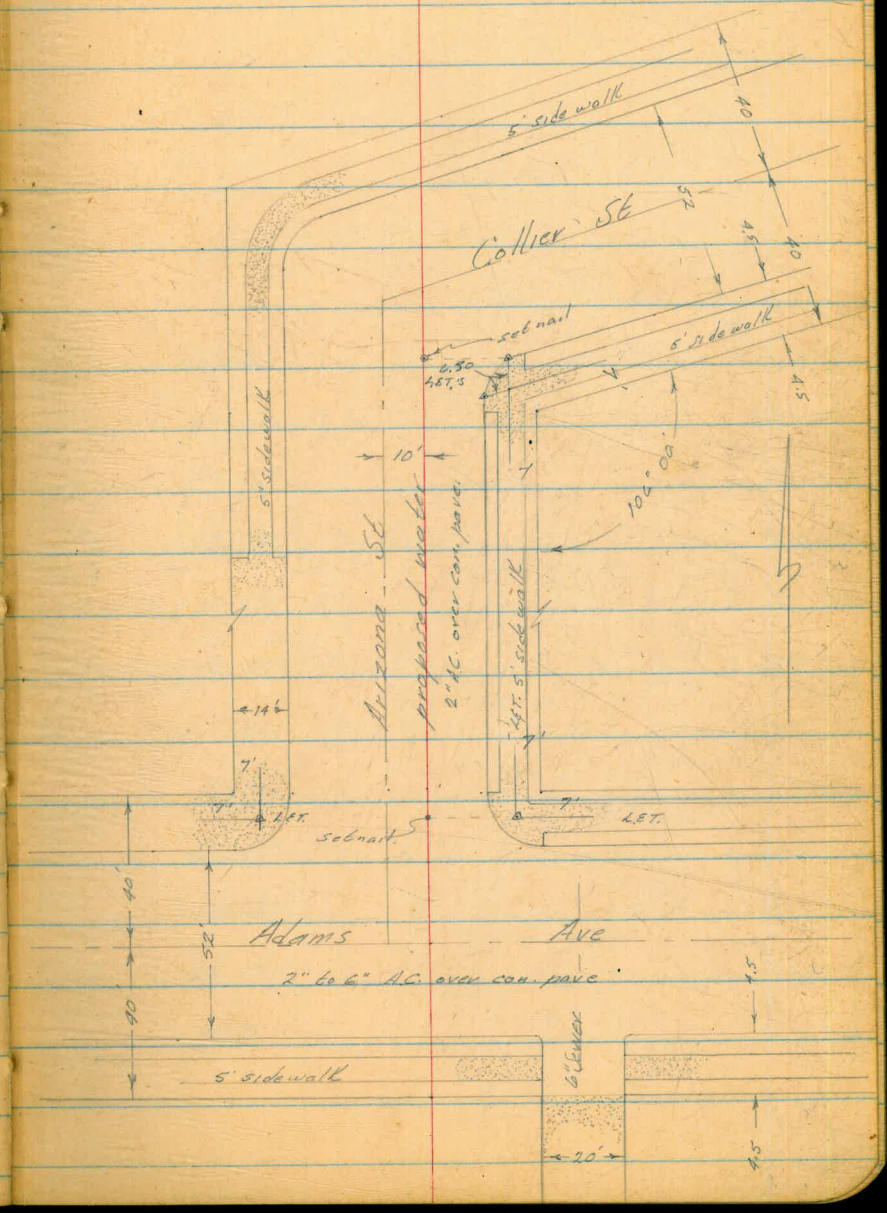


Wert
Holahan
Alexander

5-27-55

Profile of Proposed Water Line
Arizona St Adams to Collier

7+00	P.I. & water & No. curb Collier
6+51.37 (rec.)	Set nail (chained 6+52.12)
0+80	N/L of Adams
0+73 (rec.)	Set nail
0+00	S/L of Adams



Red. by H. Wada 10-3-56

Arizona St Cont

			383.95	
	2.44	381.39		
		9.19	377.20	
	3.16	380.36		
0+00		3.4	376.96	S/L of Adams
0+04.5		3.9	376.46	back sidewalk
0+9.5		4.0	376.36	Front "
0+14		4.0	376.36	Top & face curb Adams
0+14		4.6	375.76	gutter
0+40		3.9	376.46	℄ Adams
0+50		4.0	376.36	
0+66		4.7	375.66	gutter & curb face
1+00		4.0	376.36	
1+50		3.5	376.86	
2+00		3.0	377.36	
2+50		2.4	377.96	

Arizona Cont

	380.36		
3+00		1.9	378.46
P		0.73	379.63
	8.13 387.76		
3+50		8.8	378.96
4+00		8.2	379.56
4+50		7.6	380.16
5+00		7.0	380.76
5+50		6.4	381.36
5+51.37			
6+00		5.8	381.96
6+36			
6+46.5			
6+50		5.2	382.56
7+00		5.5	382.26
7+00		4.9	382.86
		4.66	38310

L.E.T center sidewalk 5.5 Rt Sta. 4+10

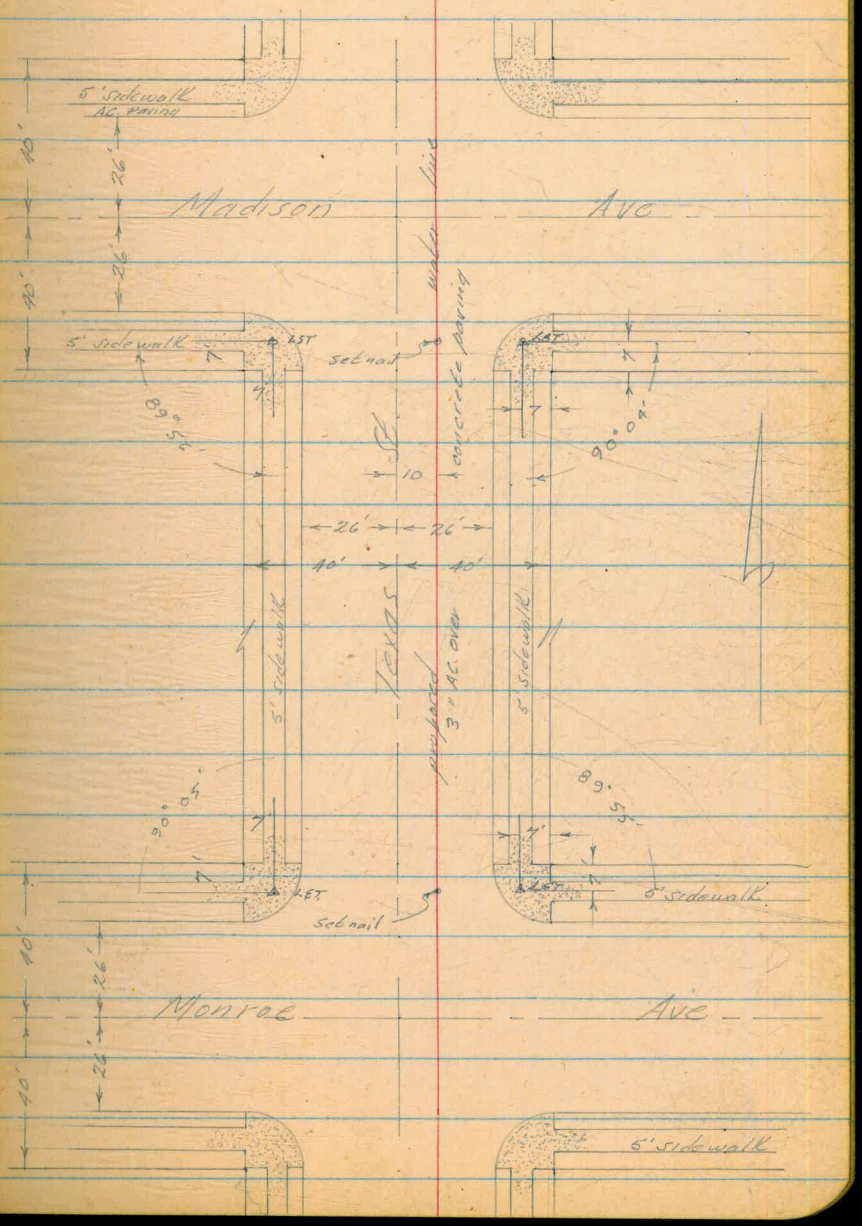
5-27-55

Profile & Proposed Water Line
Texas St. Monroe to Madison

7+60.29 N/L of Madison

6+86.29 S/L of Madison

0+00 S/L of Monroe



Texas St. Cont

		338.96	
	6.48	345.44	
0+00		6.8	
0+14		6.7	
0+27			
0+50		6.1	
0+66		6.0	
0+80			
1+00		5.5	
1+50		4.8	
2+00		4.4	
2+50		3.9	
3+00		3.4	
3+50		2.9	
4+00		2.3	
T.P.		3.09	342.35
	6.72	349.07	

S.E.B.P. Texas & Monroe

S/L of Monroe

So. curb line

Water GV. on line

No. curb line

N/L of Monroe & GV. 2" Rt.

Texas St. Cont

	349.07		
4+50	5.5		
5+00	4.9		
5+50	4.5		
6+00	4.0		
6+50	3.6		
6+74			F.H. 17' Rt
6+75			Water GV. 4' Rt.
6+78.5			Water GV. on line
6+93	3.9		So. curb line Madison
7+00	3.8		
7+31	3.7		Gas crossing
7+45	3.9		No. curb line
7+59.99	3.7		N/L of Madison & GV. on line
20 77	3.07	346.00	S.W.L.P. Madison & Texas 346.03

Wert
Kemp
Alexander

5-31-55

Profile & Proposed Water Line

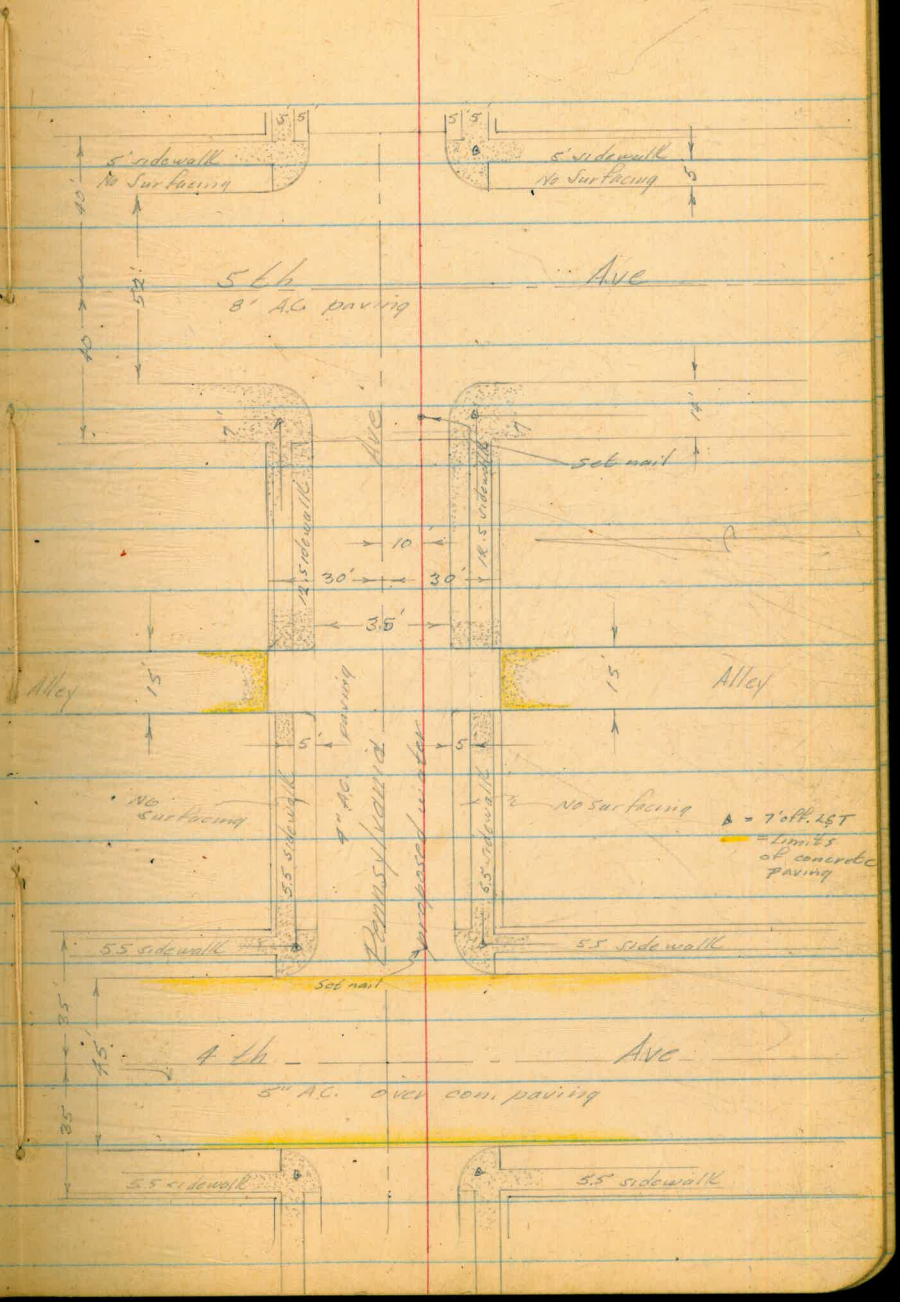
Pennsylvania Ave. 4th to 5th

4+35.25 — ℄ of 5th Ave

3+55.25 — W/L at 5th Ave

0+60 — ℄ of 4th Ave

0+00 — W/L at 4th Ave



Pennsylvania Ave.

		288.87	N.W.B.P. - Robinson & 4th
4.24	293.11		
		6.23 286.88	
4.09	290.97		
		5.67 285.30	
4.30	289.60		
0+00		4.5 285.1	w/L of 4th Ave
0+12.50		4.3 285.3	W. gutter
0+35		3.8 285.8	& 4th
0+48			Water G.V. 21' RT
0+50		4.1 285.5	
0+57.5		4.3 285.3	E Gutter
0+59			F.H. 21' RT
0+70			
1+00		4.8 284.8	
1+50		5.4 284.2	
2+00		6.0 283.6	
2+16		6.1 283.5	Tele. M.H. 22' Lt. 3.8 to top cables

Redraw BY A. Mathison

Pennsylvania Cont

	289.60			
2+50		6.5	283.1	
3+00		7.1	282.5	
3+50		7.8	281.8	
T.P.		7.84	281.76 V	S.W. Lt. Pennsylvania & 5th
	8.31	290.07		
3+69.25		8.6	281.5	W gutter at 5th
3+95		7.7	282.4	℄ 5th
3+95		7.86	282.2	Sewer M.H. 19' Rt. 4.1 to flowline
4+00		7.7	282.4	
4+13				C.L. 19' Rt
4+21.25		8.6	281.5	W gutter
4+23.25				F.H. 19' Rt.
4+35.25		8.4	281.7	F/L at 5th
		2.59	287.48 V	S.E. Lt. Pennsylvania & 6th = 287.63 (broken sidewalk)

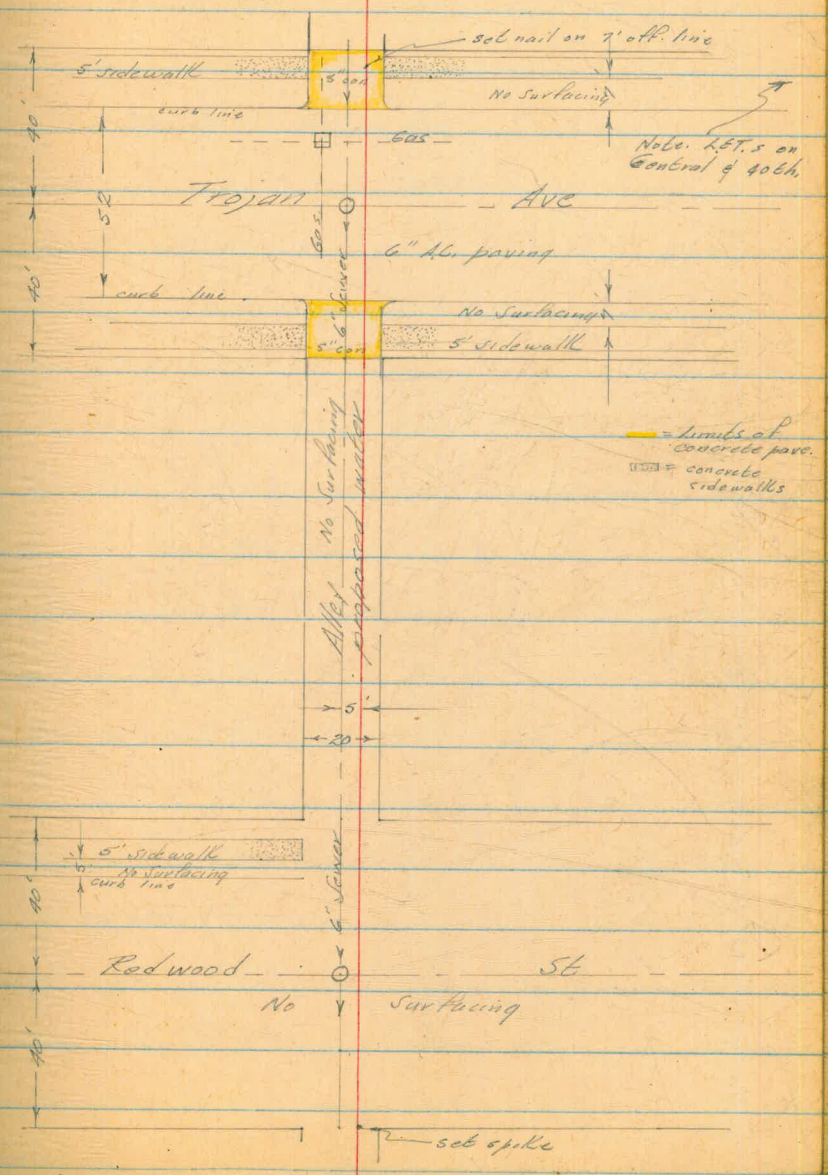
Reduced by A. Mathison

Wert
Kemp
Alexander

5-31-55

Profile & Proposed Water Line
Alley Blk 124, No. Redwood, East 40ft.

0+00	N/L of Trojan Ave.
0+80	S/L of Trojan Ave.
6+79.94	N/L of Redwood
7+39.94	S/L of Redwood



Alley Blk 124 Cont.

		302.97	NEBR 40 lb & Redwood
	6.67	309.64	
		8.71	300.93
	5.03	305.96	
		1.44	304.52
	1.37	305.89	
0+00		3.3	N'ly of Trojan & edge of 5" con pave.
0+14		3.8	N gutter
0+15.5		3.7	edge of con pave, begin 6" A.C.
0+27		3.4	Gas crossing & M.H. 7' Rt
0+40		3.53	& Trojan & Sewer MH. 5' Rt. 5.5 Lo Rt.
0+50		3.7	
0+64.5		4.4	edge of 6" A.C. begin 5" con.
0+66		4.5	So. gutter
0+67.5			T.H. 7' Lt.
0+80		4.1	S'ly of Trojan & end 6" con pave
1+00		5.4	

Alley Blk 104 Cont.

	305.89		
1+50		4.3	
2+00		5.3	
2+50		6.7	
3+00		7.1	
3+50		6.6	
4+00		4.97	
4+50		1.3	
T.P.		1.36	304.53
	5.04	309.57	
5+00		1.6	
5+50		3.6	
6+00		3.4	
6+50		3.8	
7+00		4.7	
7+20		4.60	
7+47			
7+59.94		5.2	
		6.60	302.97

Sewer M.H. 5' Dt 5.3 to flow

Sewer M.H. 5' Dt 14.5 to flow

F.H. 7' Lt

S/L of Redwood

N.W. B.P. Redwood & 40th

Werb
Kemp
Holahan
Alexander

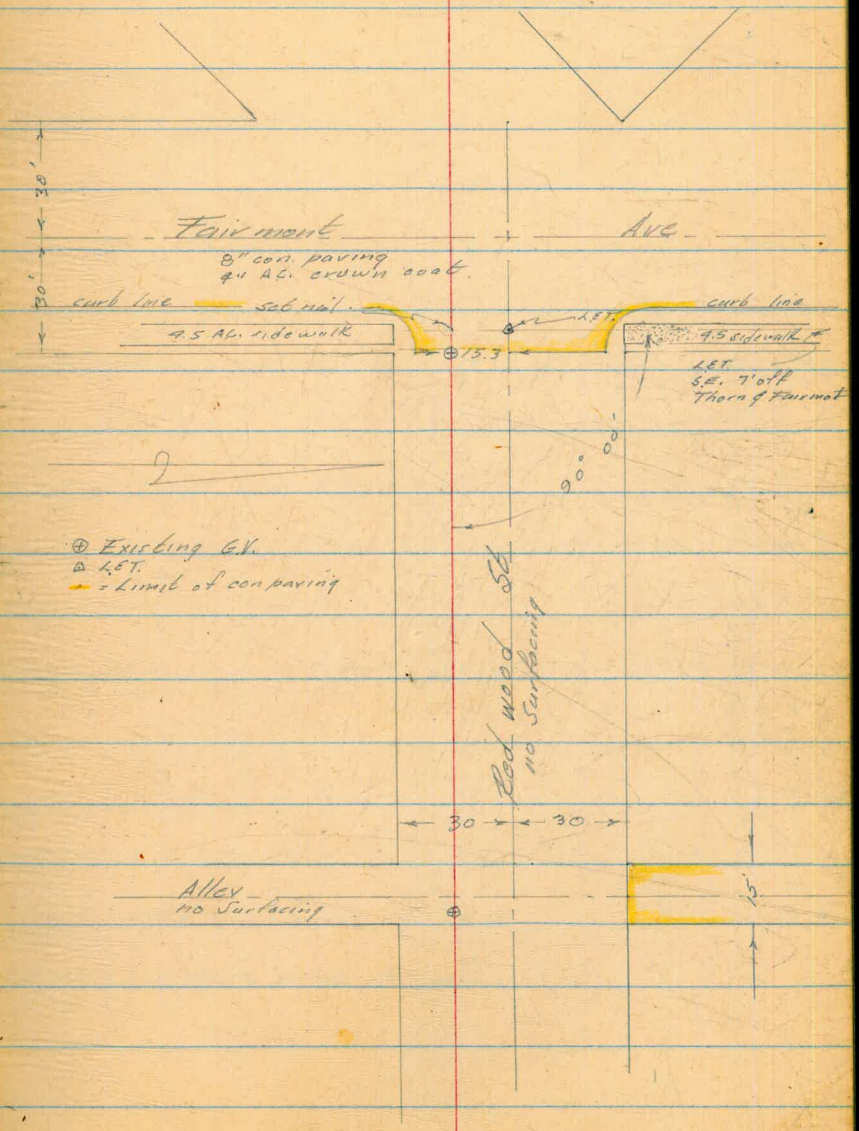
6-1-55

Profile & Proposed Water Line
Redwood, Fairmont to 200' East

0+00 — W/L of Fairmont

0+60 — E/L of Fairmont

2+01.62 — E/L of Alley



Redwood Cont.

		318.02	SEBP FAIRMONT & THORN
	0.33	318.35	
T.P.		8.96 309.39	
	0.64	310.03	
0+00		7.2	WEST PROP LINE FAIRMONT & W. EDGE CON. STRIP
0+10		7.3	" GUTTER & E. EDGE CON. STRIP
0+30		6.9	℄ & CROWN FAIRMONT
0+50		6.8	EAST GUTTER LINE & W. EDGE CON. STRIP
0+59.5			WATER G.V. ℄
0+60		6.8	EAST PROP LINE & E. EDGE CON STRIP
0+62			POWER POLE 7' ET
1+00		6.7	
1+50		7.0	
1+85			POWER POLE 7' RT.
1+97.7			WATER G.V. 90 RT.
2+01.62		7.3	EAST PROP. LINE ALLEY
			T.B.M.
T.P.		3.94 306.09 = 306.07	SEFH FAIRMONT & REDWOOD

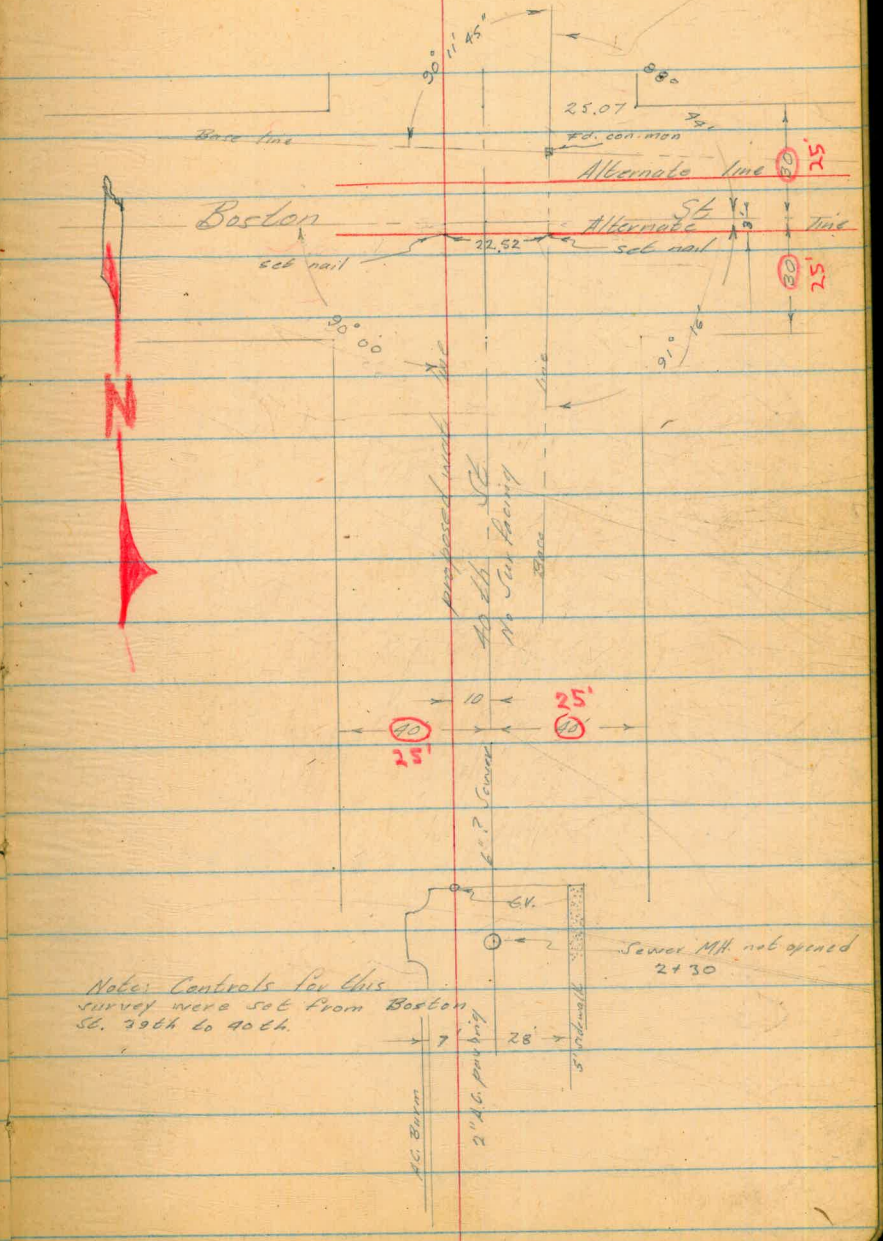
Profile & Proposed Water Line
40th St, Boston to Alley N'ly

0+00 — S/L of Boston St

0+60 — N/L of Boston St

Werb
Kemp
Holahan
Alexander

6-1-55



40th St. Cont

		20.04	Spk in PP SW. cor. 40th & Easton
	10.77 30.81		
0+00		12.3 18.5	
0+53		10.6 20.2	
1+03		8.9 21.9	
1+28		7.3 23.5	
1+53		4.6 26.2	
T.P.		2.11 28.70	
	8.91 37.61		
2+03		4.5 33.1	
2+20.8			Existing water GV. on line
2+21.5		2.3 35.3	Begin 2" A.C. paving
2+38		1.5	End.
T.P.		11.51 26.10	
	1.64 27.74		
		7.68 20.06 = 20.04	

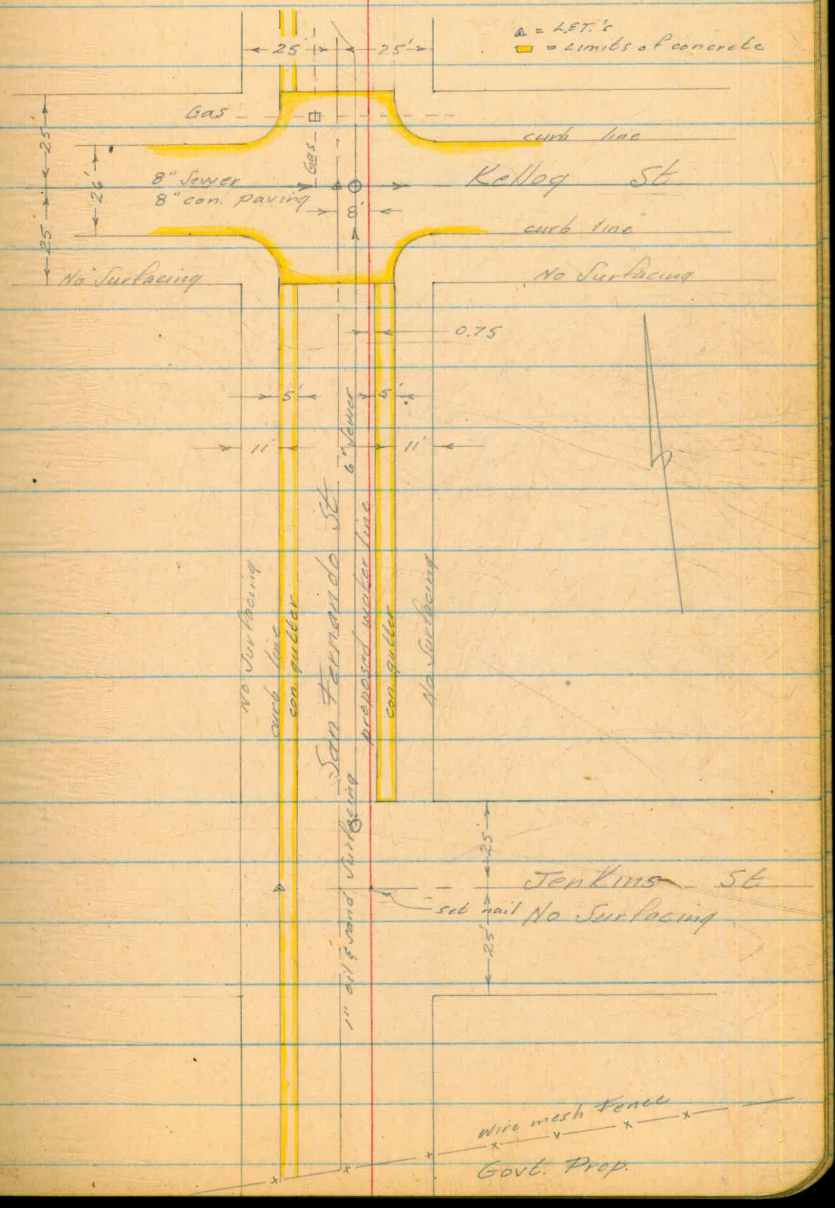
Wert
Kemp
Holahan
Alexander

6 - 1 - 55

Profile of Proposed Water Line
San Fernando, Kellog to Jenkins

0+00 N/L of Kellog St

0+50 S/L of Kellog St



San Fernando Cont

		88.96	
	0.37	89.27	
0+00		8.9	N/L of Kellog
0+08			Gas MH. 13' Rt
0+12.5		9.3	
0+25		8.5	℄ ℄ Sewer cross
0+25		8.45	8" Sewer MH 3' Rt 6.0 to flow
0+33.5			GV. 3' Lt.
0+37.5		9.3	
0+50		9.0	End 8" con paving, begin 1" oil & sand surface
1+00		8.8	
T.P		8.30	80.97
	5.22	86.17	
1+50		5.4	
2+00		5.2	
2+50		4.8	
3+00		4.5	

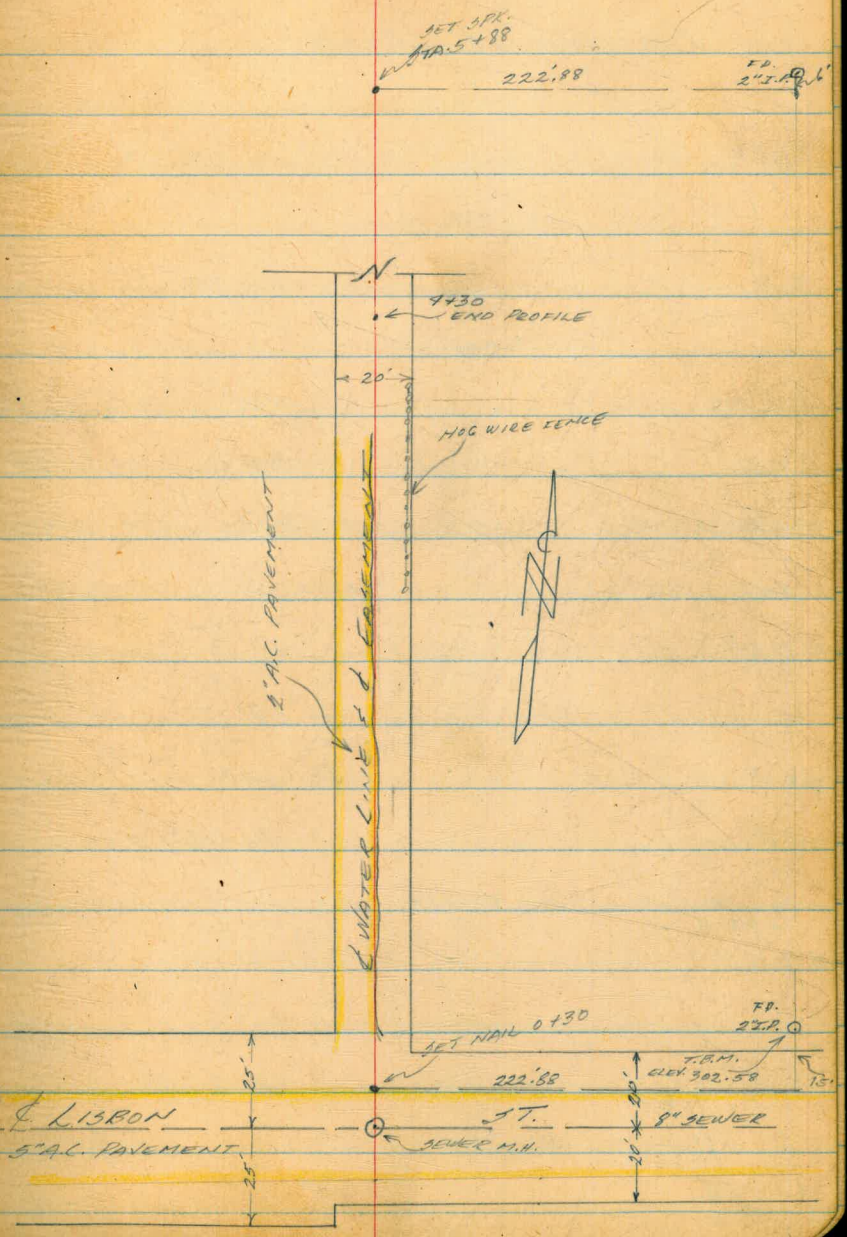
San Fernando Cont

	86.17		
3+50	4.0		
3+51	4.0		
3+51	3.77		6" Sewer MH. 4' Lt. 5.0 Ea Flow (no cross)
4+00	3.1		
4+50	2.2		
4+58			3 12" gum trees on line
4+62			G.V. 7' Lt.
4+65.5			Wire Fence
T.P.	3.57	82.62	T.B.M. End east curb San Fernando & Jenkins

WERT
KEMP
HOLAHAN &
ALEXANDER

6-13-55 47

PROFILE & PROPOSED WATER EASEMENT, N. LISBON ST., E. RIDGEON ST.



0+40 N/L LISBON

0+00 S/L LISBON

EASEMENT CONT.

	H.I.		
			302.58
	.40	302.98	
T.P.		9.35	293.63
	10.72	304.35	
0+00		13.6	
0+06		12.8	
0+20		11.94	
0+30		12.1	
0+50		11.1	
1+00		7.8	
1+50		3.4	
T.P.		0.04	304.31
	13.11	317.42	
1+92.5			
2+00		10.9	
2+50		1.0	
2+75			
T.P.		0.04	317.38
	12.81	330.19	
3+00		9.3	

	RT.		LT.
T.B.M. 2" PIPE 222.88' RT. STA. 0+95 (SEE DRAWING)			
℄ LISBON ST.			
S. EDGE A.C. PAVEMENT LISBON			
SEWER M.H., & PROPOSED WATER			6.5 CUT TO FLOW
N. EDGE A.C. PAVEMENT			
	2.7 / 10'	10.7 / 8'	11.1 / 5'	11.1 / 0
	7.3 / 10'	7.7 / 5'	7.8 / 0	
	3.0 / 10'	3.4 / 5'	3.4 / 0	
GUY POLE 11' RT				
	2.7 / 10'	10.3 / 5'	10.9 / 0	
	3.8 / 10'	3.7 / 5'	4.0 / 0	
BEGIN HOG WIRE FENCE 8.5' RT				
	2.0 / 10'	2.0 / 5'	9.3 / 0	

EASEMENT CONT.

	330.19		
3+50		3.0	
T.P.		0.07	330.12
	6.99	337.11	
4+00		3.4	
4+05			
4+30		0.4	
T.P.		12.62	324.49
	0.31	324.80	
T.P.		13.07	311.73
	0.12	311.85	
T.P.		9.31	302.54 = 302.58

1.5 / 10' 2.3 / 5' 3.0 / 0

3.6 / 10' 3.6 / 5' 3.4 / 0

END HOGWIRE FENCE 8.5' RT

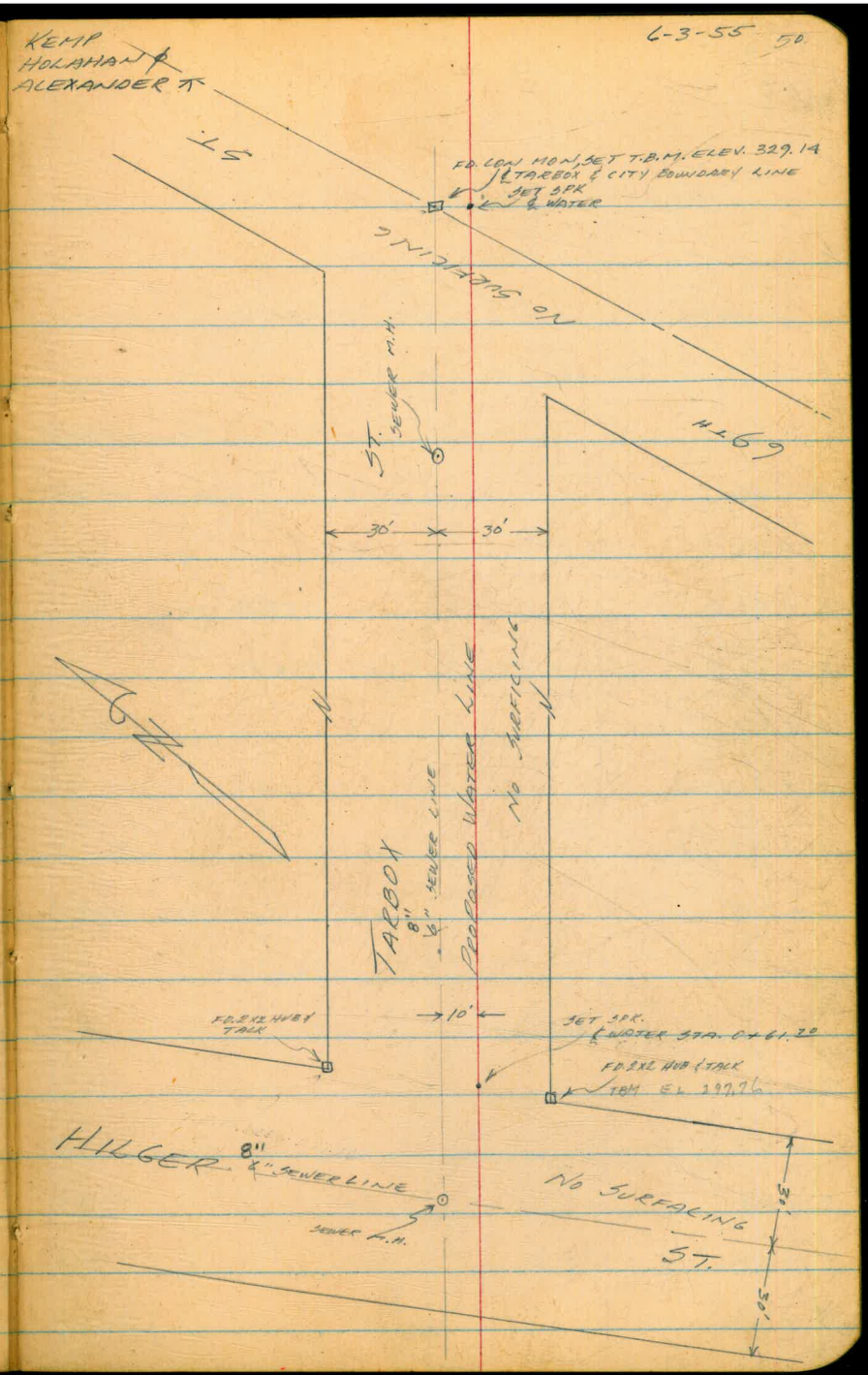
0.0 / 10' 0.4 / 5' 0.4 / 0

END OF PROFILE

T.B.M. 2" PIPE 222.88' RT STA. 0+45

C-3-55 50

PROFILE ℄ PROPOSED WATER
TARBOX ST., HILGER ST. TO 95' SW 69TH ST.



TARBOX ST. CONT.

			297.76	NE 2x2 HUB & TACK HILGER & TARBOX (SEE DRAWING)
	8.28	306.04		
0+00		12.7	293.3	S/L HILGER
0+10		12.3	293.7	GROUND BREAK
0+20		10.8	295.2	" "
0+30.8		10.6	295.4	SEWER CROSSING
0+30.8		10.30	295.7	" M.H. 10' LT CUT 8.6 TO FLOW
0+50		9.4	296.6	
0+61.70				SET SPK.
1+00		4.5	301.5	
1+50		1.5	304.5	
T.P.		0.27	305.77	
	9.32	315.09		
2+00		8.5	306.6	
2+50		7.1	308.0	
3+00		6.3	308.8	
3+50		5.8	309.3	
4+00		5.2	309.9	

TARBOX ST. CONT

	315.09			
4+50		4.7	310.4	
5+00		4.2	310.9	
5+50		3.8	311.3	
6+00		3.3	311.8	
6+50		2.8	312.3	
7+00		2.2	312.9	
T.P.		1.74	313.35	
	10.03 323.38			
7+50		9.3	314.1	
8+00		8.2	315.2	
8+50		7.7	315.7	
9+00		7.4	316.0	
9+50		7.1	316.3	
10+00		6.5	316.9	
10+50		5.5	317.9	
10+52		5.36	318.0	SEWER M.H. 10'LT CUT 6.6 TO FLOW
11+00		4.7	318.7	
11+50		3.6	319.8	

TARBOX ST. CONT.

323.38

12+00	2.4	321.0
12+50	1.3	322.1
T.P.	0.45 322.93	
8.93 331.86		
13+00	8.6	323.3
13+50	6.7	325.2
14+00	6.0	325.9
14+21.01	6.2	325.7 · END OF PROFILE

CONT ON PAGE 69

T.P. 2.72 329.14

TBM CON MON ℄ TARBOX ℄ 64 69TH ST

2.55 331.69

T.P. 0.05 331.64

12.37 344.01

T.P. 0.17 343.84

12.58 356.42

T.P. 1.07 355.35

9.54 364.89

1.84 363.05 = 363.04 SW 2X2 HUB ℄ TACK GIBSON ℄ ZELLER

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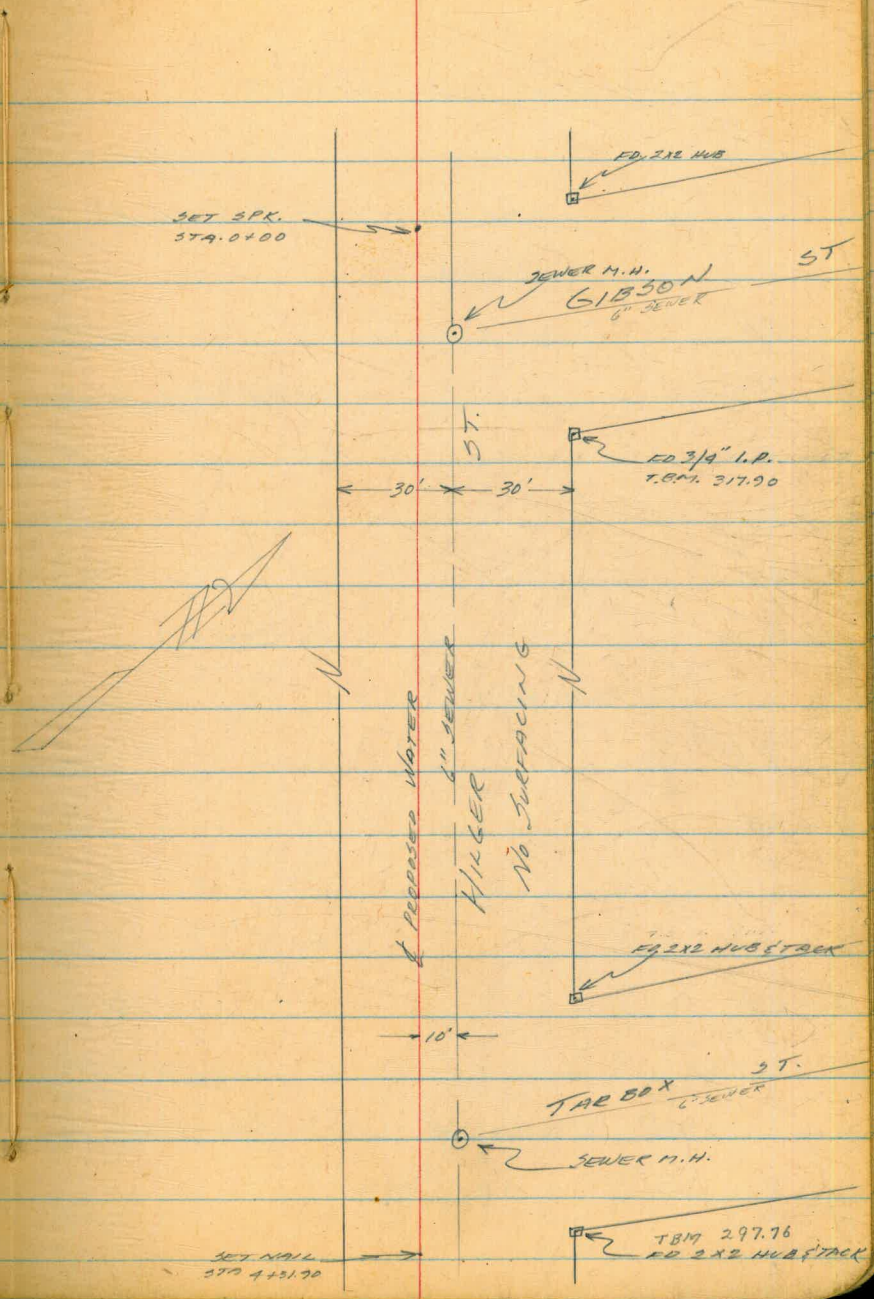
HOLAHAN &
ALEXANDER T

6-3-55 57

PROFILE ℄ PROPOSED WATER LINE
HILGER ST. GIBSON TO TARBOX

0+00 W/L GIBSON ST.



4+31.90 E/L TARBOX ST.

HILGER ST. CONT

			317.90	SE 3/4" I.P., GIBSON & HILGER
	0.43	318.33		
0+00		1.9	316.4	W/L GIBSON
0+30.8		1.90	316.4	SEWER M.H. 10' LT
0+50		4.0	314.3	
1+00		6.7	311.6	
1+50		9.2	309.1	
T.P.		11.61	306.72	
	1.04	307.76		
2+00		1.5	306.3	
2+50		4.2	303.6	
3+00		6.7	301.1	
3+50		9.8	298.0	
4+00		12.1	295.7	
4+31.90		13.3	294.5	E/L TABBOX
				T.B.M.
		10.00	297.76 =297.76	NE 2x2 HUB & TACK HILGER & TABBOX

CONT ON PAGE 70

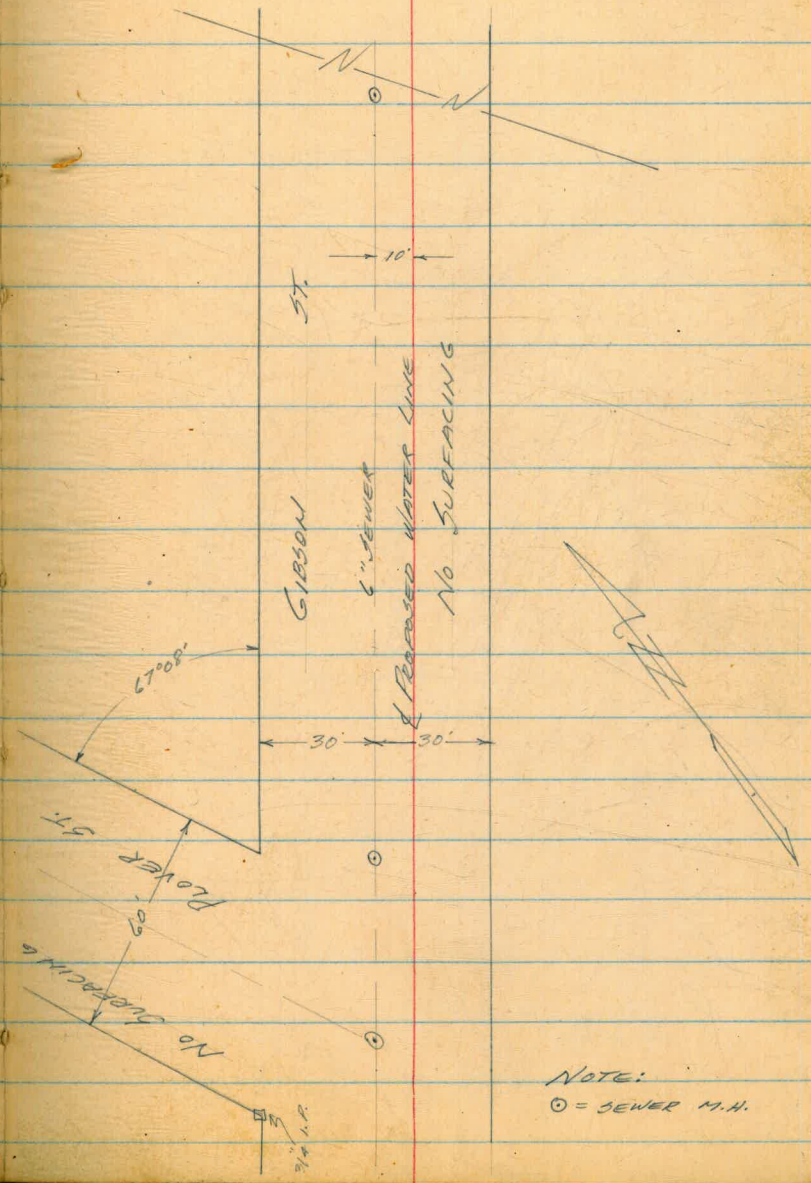
KEMP
HOLAHAN &
ALEXANDER

6-2-55

TL

Profile of Proposed Water Line

Gibson St. Plover to Ito & NE Zeller St.



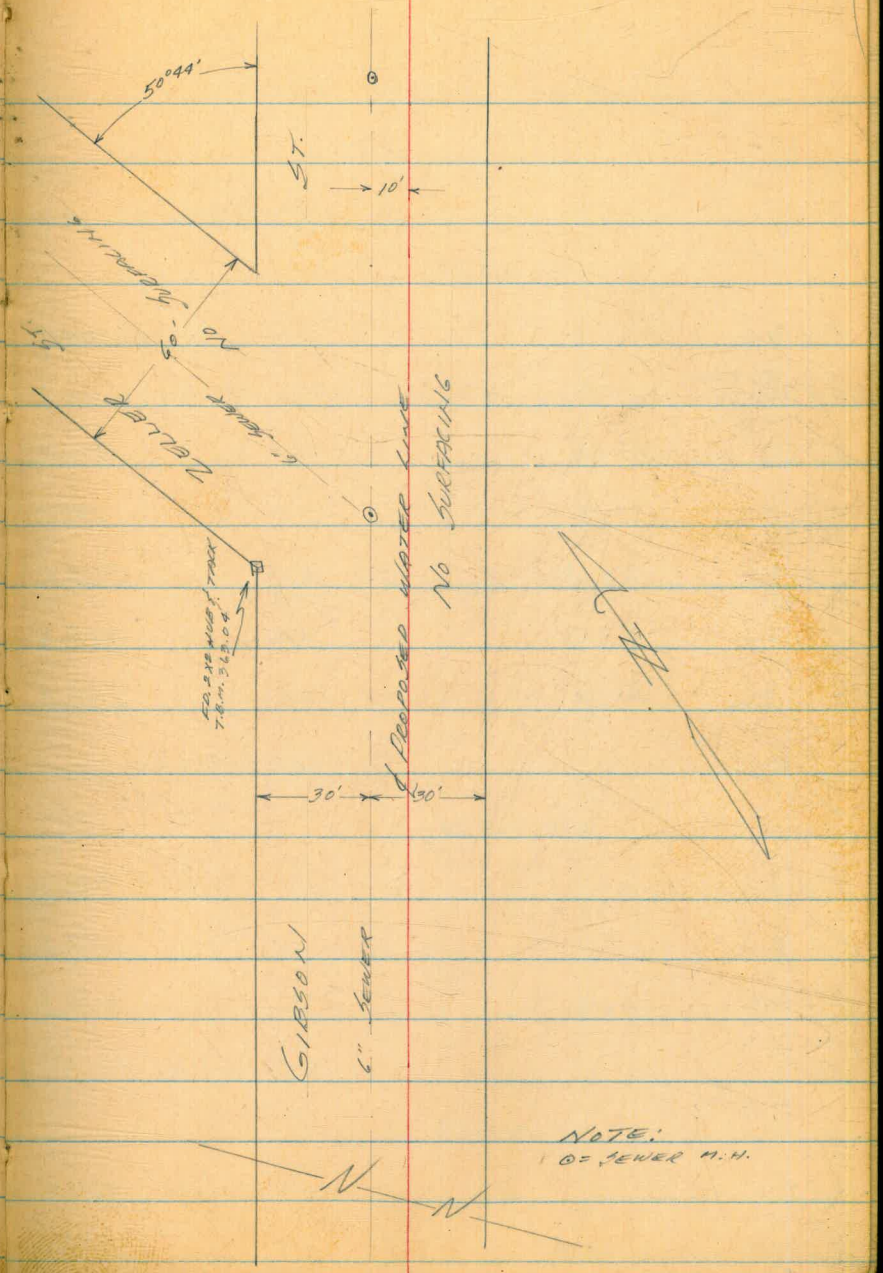
NOTE:
⊙ = SEWER M.H.

0+00 S/L PLOVER ST.

6+18.85
-8 52.66
14+71.51 N/L ZELLER

GIBSON ST. CONT.

8+52.66 N/L ZELLER ST



GIBSON ST. CONT.

			350.67	
		2.15	352.82	
0+00		2.9		349.9
0+34	6+52	3.35	349.47	
0+50	6+68	4.9		347.9
1+00	7+18	7.1		345.7
1+50	7+68	6.73		346.1
1+97		3.35		
2+00	8+18	4.2		348.6
2+50	8+68	0.6		352.2
T.P.		0.20	352.62	
		12.72	365.34	
3+00	9+18	2.5		355.8
3+50		5.7		359.6
4+00	10+18	1.6		363.7
T.P.		0.43	364.91	
		7.89	372.80	
4+50		5.8		367.0
5+00	11+18	4.1		368.7

T.B.M.

NAIL IN P.P. 7628 GIBSON & PLOVER

$\mathcal{L}$ PLOVER ST.

SEWER M.H. 10' LT. CUT 2.3 TO FLOW { =6+52 on final drawing

" " " " 7.8 " "

GIBSON ST. CONT.

		372.80		
	5+50		3.8	369.0
	5+97		3.24	
	6+00	12+18	4.7	368.1
	6+50		6.6	366.2
	7+00	13+18	5.3	367.5
	T.P.		12.05	360.75
		0.23	360.98	
	7+50		1.1	359.9
	8+00	14+18	4.7	356.3
	9+22		5.14	
	8+50		9.3	351.7
	8+52.66			
	9+00	15+18	14.2	346.8
	9+50		17.1	343.9
	10+00	16+18	16.7	344.3
	10+05		16.6	344.4
	10+05		16.30	
	10+26	16+44	16.21	344.8

SEWER M.H. 10'LT. CUT 6.2 TO FLOW

" " " " 7.9 " "

N/L ZELLER

SEWER CROSSING

" M.H. 10' LT CUT 9.5 TO FLOW

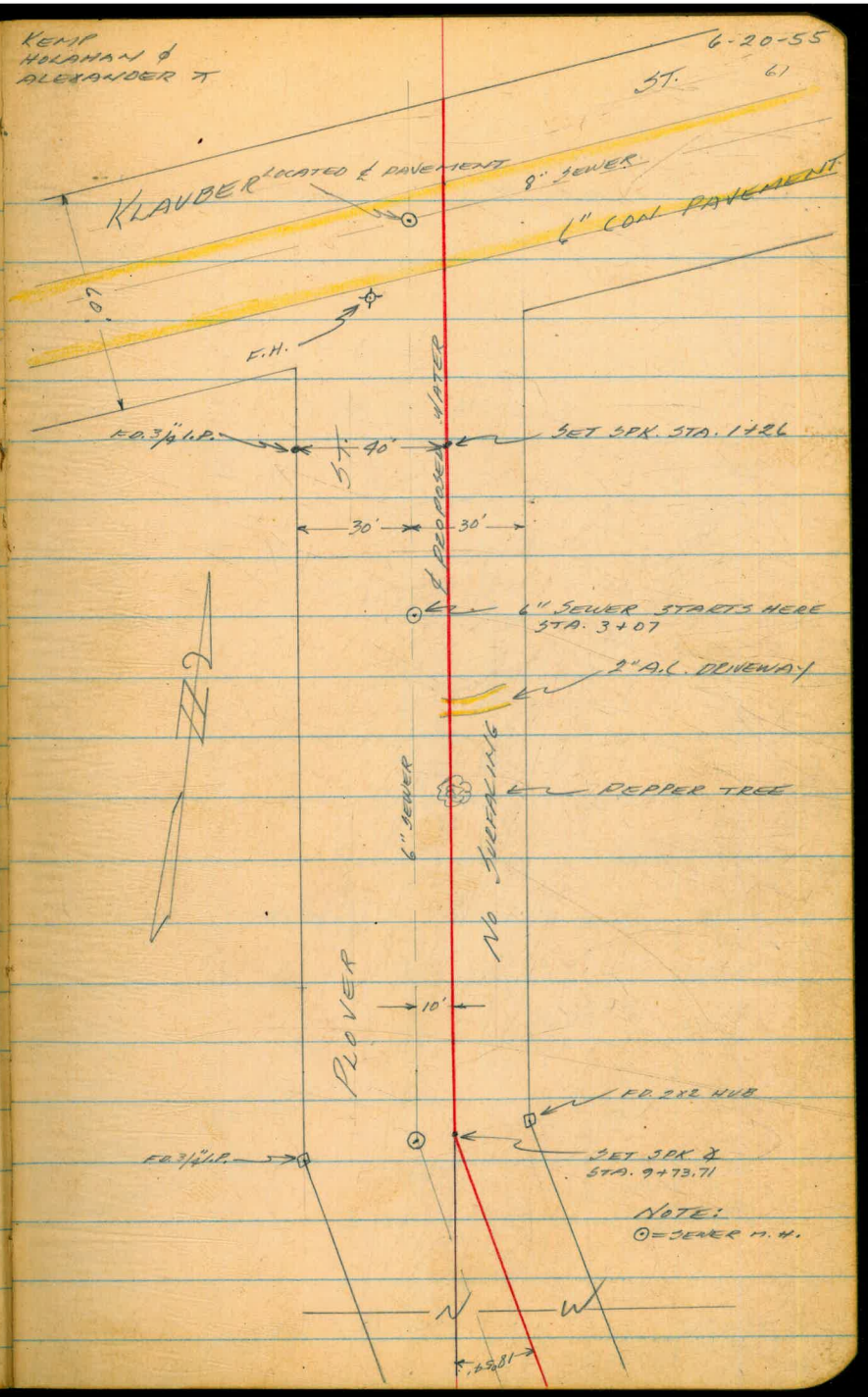
GIBSON ST. CONT.

		360.98			
T.P.			3.17	357.81	
		5.88	363.69		
			0.66	363.03 = 363.04	SE 2X2 HUB & TACK GIBSON & ZELLER (SEE DRAWING)
		0.38	363.42		
TP		2.35	352.74	13.03	350.39
10+50	(16+68)			7.4	345.3
11+00	(17+18)			4.1	348.6
TP		13.36	365.91	0.13	352.61
11+50	(17+68)			11.4	354.5
12+00	(18+18)			4.9	361.0
TP		12.70	378.40	0.21	365.70
12+50	18+68			9.1	369.3
13+00	19+18			0.9	377.5
13+18	19+36			+ 1.7	380.1
TP		0.99	366.58	12.81	365.59
				3.52	363.06 = 363.04

Profile & Proposed Water

Plover St, Klauber to Gibson St.

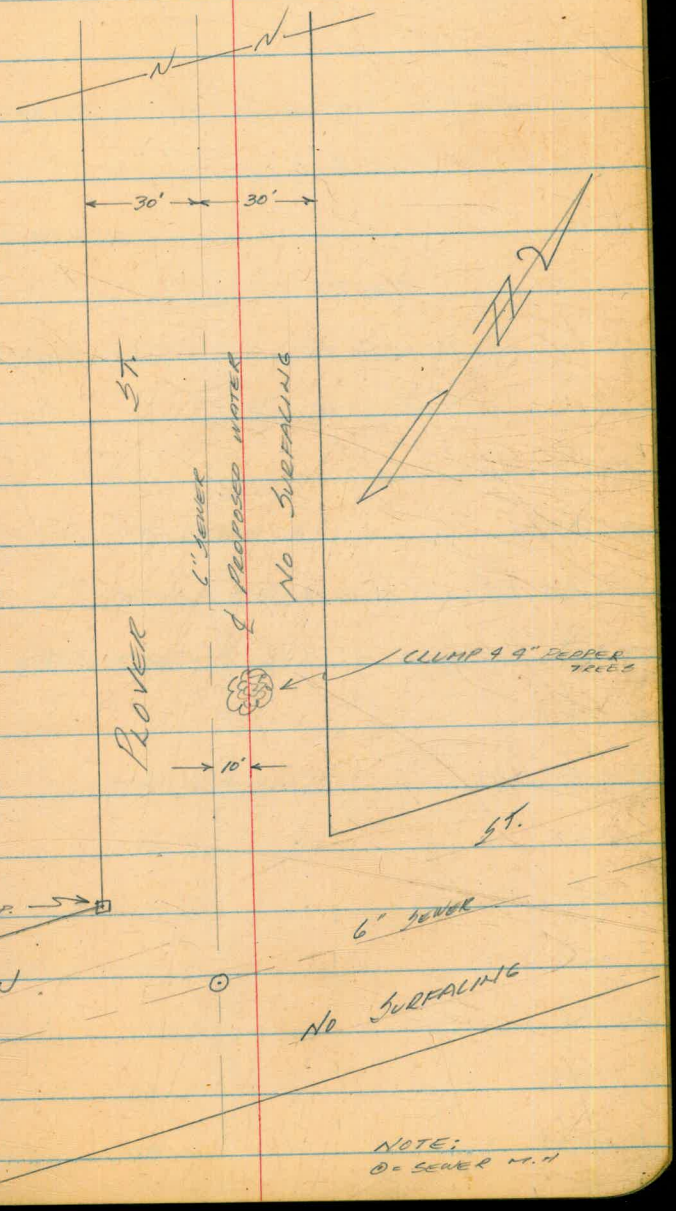
0+00	N/L Klauber St
4+82	A.C. Pave Drive
5+39	6" Pepper Tree
9+73.71	℄



PLOVER ST. CONT.

13+25 CLUMP 9" PEPPER TREES

19+99.67 S/L GIBSON ST.



PLOVER ST.

		436.90		CHISLED CROSS 12' NW ℄ KLAUBER ℄ ZELLER
	10.66	447.56		
T.P.		0.27	447.29	
	4.05	451.34		T.B.M.
T.P.		7.57	443.77	SE F.H. KLAUBER ℄ PLOVER (SEE DRAWING)
	4.12	447.89		
0+00		10.6	437.3	
0+23.20		9.7	438.2	NO. EDGE. 6" CON. PAVEMENT
0+34.20		9.9	438.0	℄ KLAUBER ℄ SEWER CROSSING
0+40.5		10.38	437.5	SEWER MH. 10' RT. CUT 13.5' TO FLOW
0+45				F.H. 20' LT.
0+46.20		10.3	437.6	SO. EDGE 6" CON. PAVEMENT
0+50		10.5	437.4	
1+00		6.6	441.3	
1+26				SET SPK ℄ WATER
1+50		4.9	443.0	
2+00		3.6	444.3	
2+50		3.0	444.9	

PLOVER ST. CONT.

	447.89		
3+00		2.3	445.6
T.P.		2.65	445.24
	0.25	445.49	
3+07		0.54	445.0
3+50		1.2	444.3
4+00		4.1	441.4
4+50		6.2	439.3
4+82		9.6	435.9
4+99		9.9	435.6
5+00		9.8	435.7
5+39			
5+50		11.5	434.0
6+00		12.1	433.4
6+50		10.5	435.0
T.P.		10.05	435.44
	6.65	442.09	

SEWER M.H. 10' RT. CUT 12.7 TO FLOW

BEGIN A.C. PAVE DRIVEWAY

END " " "

6" PEPPER TREE ON LINE

RT.			LT.
11.9	11.8	10.6	10.5
10'	5'	4'	0

PLOVER ST. CONT.

442.09

7+00	3.3	438.8
7+50	2.7	439.4
8+00	1.3	440.8
8+50	3.8	438.3
9+00	6.7	435.4
9+50	10.0	432.1
T.P.	12.94	429.15
	0.85	430.00
9+73.71	1.3	428.7
9+73.7	2.64	427.4
10+00	3.7	426.3

RT. LT.

6.0/10' 6.0/4' 3.5/3' 3.3/0

3.3/10' 2.7/0

2.8/10' 2.5/2' 1.3/0

11.4/10' 11.3/4' 10.0/0

T.B.M.

5X2 HUB E/L AT X

X 2.5/10' 2.5/3' 1.3/0

SEWER M.H. 10:RT CUT 7.8 TO FLOW.

7.0/10' 6.8/2 3.7/1' 3.7/0

PLOVER ST. CONT.

	430.00		
10+29		9.2	420.8
10+33		13.1	416.9
T.P.		12.94	417.06
	0.27	417.33	
10+50		2.6	414.7
11+00		12.5	404.8
T.P.		13.20	404.13
	0.15	404.28	
11+44		9.2	395.1
11+50		9.3	395.0
T.P.		13.35	390.93
	0.30	391.23	
11+75		2.3	388.9
12+00		8.4	382.8

RT. LT.

12.2/10' 11.8/3' 9.8/2' 2.2/0

13.3/10' 13.1/0

2.1/10' 2.0/4' 2.3/0 4.8/10'

6.3/10' 6.5/4' 8.4/0 11.4/10'

PLOVER ST. CONT.

391.23

T.P.		12.54	378.69
	0.10	378.79	
12+47		3.6	375.2
12+50		7.6	371.2
12+57		5.6	373.2
13+00		11.5	367.3
T.P.		13.14	365.65
	0.17	365.82	
13+25			
13+50		6.0	359.8
T.P.		11.15	359.67
	1.54	356.21	
14+00		4.1	352.1
14+17.12			
14+21		6.74	349.47

1.4 / 10' | 1.9 / 8' | 7.6 / 0 | 7.2 / 10'

2.1 / 10' | 2.1 / 8' | 11.5 / 0 | 19.9 / 10'

CLUMP 4, 4" PEPPER TREES

4.2 / 10' | 4.1 / 6' | 6.0 / 0 | 8.6 / 10'

3.3 / 10' | 3.5 / 5' | 4.1 / 0 | 5.7 / 10'

SEWER CROSSING

SEWER M.H. 10' LT CUT 9.3 TO FLOW

PLOVER ST. CONT

	356.21			
19+39		8.3	347.9	
19+49.67		11.3	344.9	S/L GIBSON ST. T.B.M.
		5.50	350.71=350.67	NAIL IN P.P. 76628 GIBSON & PLOVER

Red'd by Rocky

TARBOX ST

CONT FROM PAGE 53

6.2	331.86	
14+50	6.3	325.6
15+00	5.6	326.3
15+50	3.8	328.1
15+64.06	3.9	328.5

CONT TO PAGE 53

Red'ed by Rocky

WERT
ALEXANDER
HOLAHAN.

HILGER ST CONT. FROM PAGE 55

FROM TARBOX TO MADERA

BM			297.76
	4.03	301.79	
4+00		6.1	295.7
4+01			
4+50		8.2	293.6
5+00		9.6	292.2
5+50		12.7	289.1
TP		12.47	289.32
	0.84	290.16	
6+00		3.2	287.0
6+50		5.9	284.3
7+00		7.9	282.3
7+41			
7+42		11.7	278.5
7+45		12.5	277.7
7+50		12.6	277.6
7+51		12.6	277.6
7+65		12.09	

IBM 2x2" HUB HILGER & TARBOX SEE PAGE 55

SEWER MH 10' LT 8.6 TO FLOW

GV - 1' RT

BEGIN 10" PCC MADERA ST

RIM SEWER MH 10' LT 6.9' TO FLOW

	290.16			
7+71		12.2	278.0	SEWER CROSSING
7+92		12.7	277.5	EDGE 10" PCC MADERA ST
8+03		11.7	278.5	FH 20' RT
TP		10.09	280.07	TBM TOP FH 20' RT ST 8+03
	9.84	289.91		
TP		0.20	289.71	
	10.18	299.89		
		2.17	297.72 = 297.76	

FROST ST.
HWY 395 — ELY
GRD. S FOR RELOCATION 10" C.I. MAIN

8/10/55

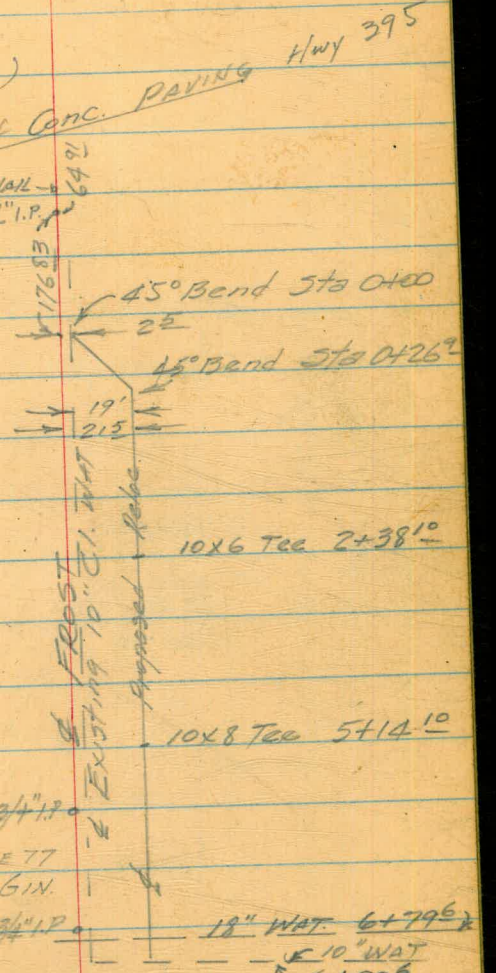
WILLIAMS &
ALEXANDER
VARONFAKIS
KELLHOFER

72

B.M.	12.31	394.14		382.13	
0+00	(= 45° BEND 1+76.83 ℄ Rd)		3.6	390.8	CONN. TO EXIST.
0+26.9	(= 45° BEND 1+95.33 ℄ Rd.)		2.7	391.7	387.6
0+50			1.8	392.6	388.4
TP 1+00	11.40	405.57	0.27	394.17	389.8
1+50			9.2	396.4	391.1
2+00			6.9	398.7	392.3
2+38.10		10"x6" TEE	5.8	399.8	393.3
2+50			5.5	400.1	393.6
3+00			4.9	400.7	394.9
3+50			3.7	401.9	396.4
4+00			2.1	403.5	398.7
TP	11.74	417.08	0.23	405.34	
4+50			11.3	405.8	402.4
5+00			5.8	411.3	406.6
5+14.10		10"x8" TEE	4.4	412.7	407.8
5+50			2.1	415.0	410.8
TP 6+00	12.07	427.12	2.03	415.05	415.0
6+50			8.4	418.7	417.2
6+79.6	(℄ 18" Chesterton Rd.		4.5	422.6	418.0
6+90.6	90° Bend (CONN. TO EXISTING PIPE)		1.8	425.8	38+68.8
			0.7	426.4	

12.07 415.05 =

Cuiv. Hdwll (FB 2341 pg. 36)



C41	Ely.	
C42		
C44		
C53		
C64		
C65		
C65		
C58		
C55		
C48		
C34		
C47		
C49	SEE PAGE 77 REPLACED GIN.	
C46		
C37	SEE PAGE 77 REPLACED GIN.	
C54		
C73	130 ft 18" = 419.8	

FROST ST. CONT.

8/10/55

T.P.	13.32	428.37		415.05
T.P	12.32	440.49	0.20	428.17
T.P	12.15	452.38	0.26	440.23
CHECK B.M.			0.39	451.99 = 451.89
TP (Head)	2.76	396.93		394.17
NE COR	Conc WATER VAULT. 556' W/L of 3/4" I.P. 266 pg. 14.		6.82	390.11
NW COR			6.77	390.16
SW. COR			6.87	390.06
SE COR			6.84	390.09

EL. TAKEN FROM WATER DEPT. SHEET W.D. 1003
CHIS-□ ON CON PIER OF CHESTERTON PED TANK

12/5/55 BEATTY

BM on CUN.	382.13
	5.10
	387.23
	5.40
Top 10" C.I. Pipe E'ly from edge of pavt	381.83
EXISTING A.C SURFACING	3.10
	383.93

CHECK ON TOP of PIPE

9/7/55 SHOREY

	6.23	428.83		422.6
			7.30	421.53
			5.11	423.72
			9.7	419.1
TP	10.16	425.21		415.05
CK 6+00 (S)			6.48	418.73 = 418.7
28' RT 6+66	NW COR Conc Vault		1.80	423.41 — — —
29' RT 6+40	— STEM GV.		5.43	419.78
CK 6+50 (S)	— STEM GV.		7.14	418.07
			2.53	422.68 = 422.6

Top ⊙ 6+50

Top 18" CHESTERTON PIPE 6+79.6

Top 10" C.I. PIPE 6+90.6

" " " " 6+42 18' RT.

24.6 } RT. { 6+62
31.1 } RT. { 6+69.4

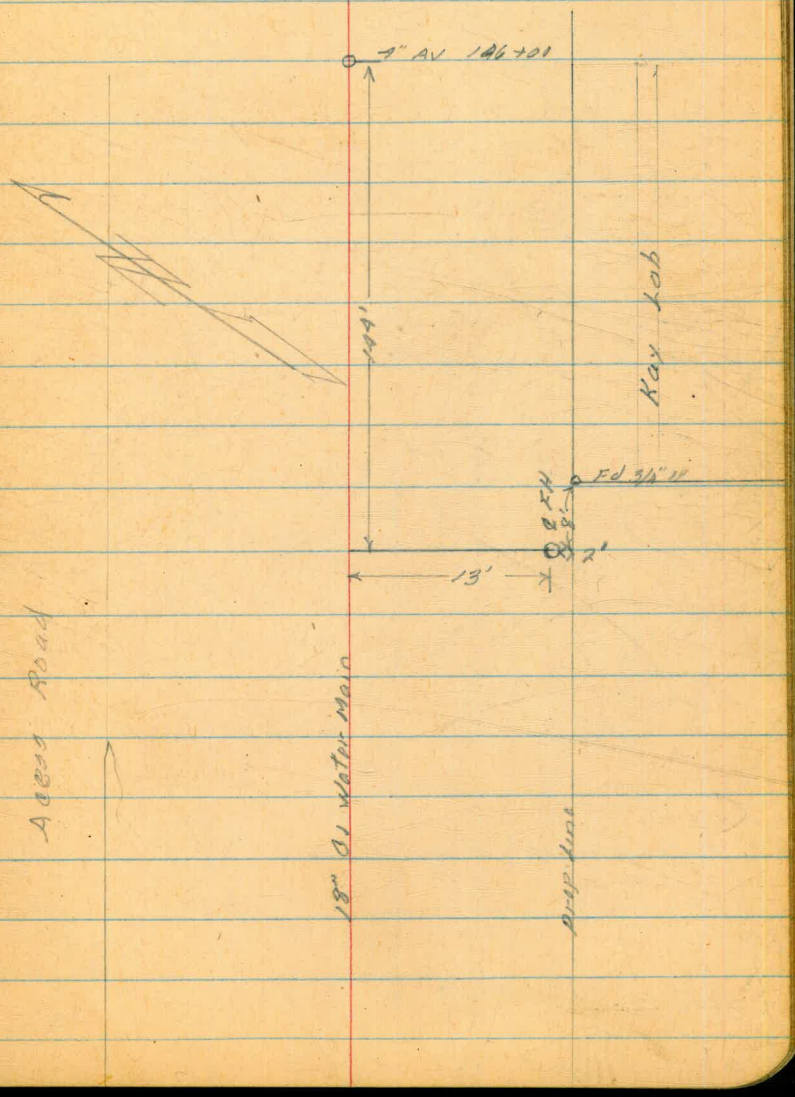
CONTINUED PAGE 77

Location of FH
By Kay Lab Kearney Mesa

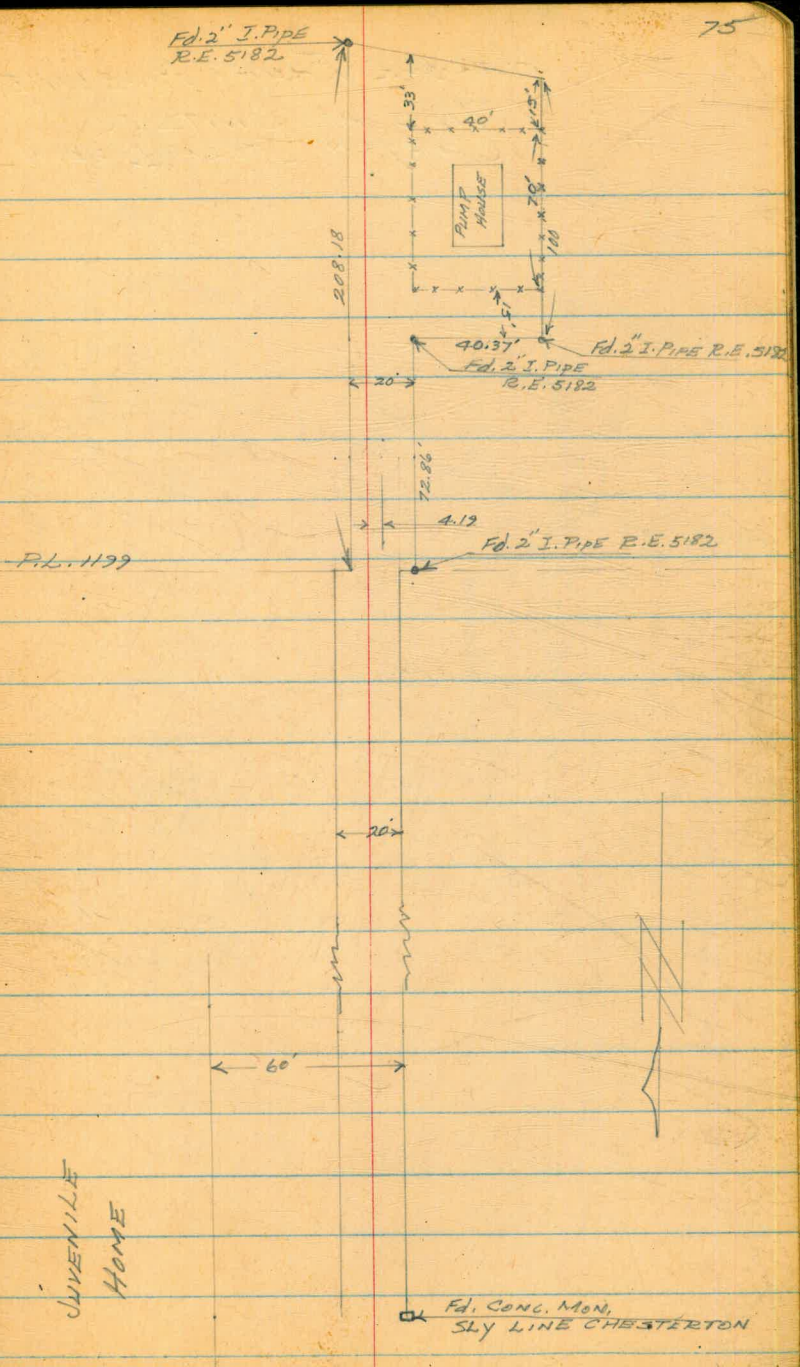
West
Williams
Voran Fokos
Kellhofer

8-15-55

3.54	429.04	425.50	BM PP 537139
(5) L FH	4.1	424.9	C.O.
R Access Road	4.6	424.4	
	3.53	425.51	



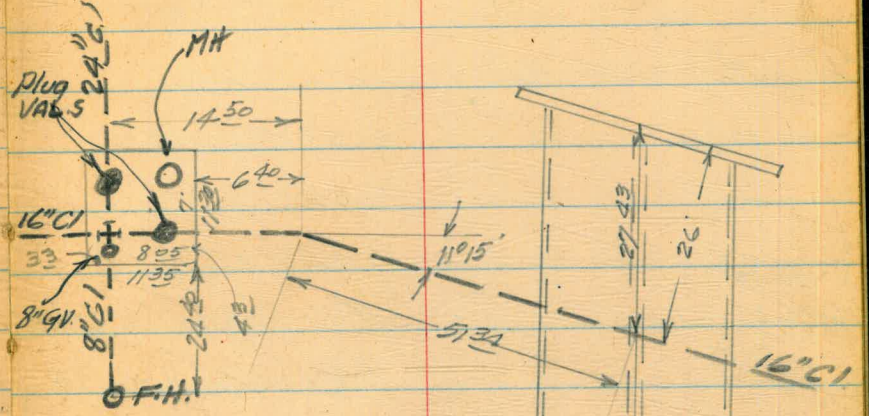
~~PROPERTY & FENCE~~
~~LOCATION KEARNY MESA PUMP HOUSE~~
R.o.w. & Prop. Corners Flagged
FOR Access Road
Along Chesterton P.L. &
PUMP PLANT

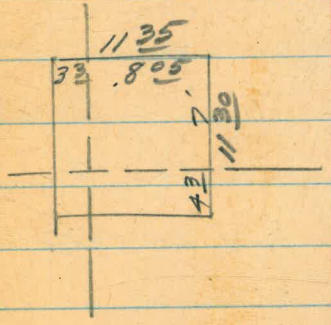


HARBOR FRONT PIPELINE
TIES AT SWITZER CANYON STORM DRAIN

9/8/55

SHOREY
KEMP
MARTELL
HOLAHAN





FROST ST. CONT.

WEST
WILLIAMS
VARONFAKIS †
KELLHOFER †

9/13/55 CLOUDY

T.B.M.	5.36	428.77		423.41	
			5.28	423.49	
			5.20	423.57	
			5.32	423.45	
(24½ RT) 6+62			5.11	423.66	422.3
			4.39	424.38	422.4
			4.62	424.15	422.4
			5.71	423.06	422.3
T.P.	11.44	427.29	12.92	415.85	
5+50			12.5	414.8	410.8
6+79 6			1.9	425.4	418.0
6+90 6			1.0	426.3	
CHECK B.M.			3.87	423.42=423.41	
TBM	8.93	391.06		382.13 (#72)	
			2.30	388.76	
4"	5.12	395.29	0.89	390.17	
			5.70	389.59	
			2.31	392.98	391.8
			3.81	391.48	

N.W. COR. CON. VAULT 6+62 24½ RT (PAGE 73)
N.E. COR. VAULT
S.E COR VAULT
S.W COR. VAULT

C1 4 N.W. (4')
C2 0 N.E. (4')
C1 8 S.E. (4')
C0 8 S.W. (4')

C4 0
C7 4

90° BEND CONN. TO EXISTING PIPE

Top 10" C.I.

Top 10" A.C. 0.30 ±

2+90 C/L 5' BK of GU. 1+97

395.29
7.90
387.39
2.30
389.69
7.54
382.15

Frost St

ELEVATIONS Top of Pipe

Sta on ℄ Sheet			
11.39	394.48		383.09
1+97		2.22	392.26
2+04		4.94	389.54
2+60		3.16	391.32
3+00		2.83	391.65
7.17	401.38	0.27	394.21
3+40		9.39	391.99
7.24	401.66	6.96	394.42
3+80		8.09	392.57
4+20		6.69	394.97
4+60		6.85	394.81
5+00		4.87	396.79
11.95	411.51	2.10	399.56
5+40		15.13	396.38
5+80		13.09	398.42
6+20		10.68	400.83
6+78		3.60	407.91
9.99	420.49	1.01	410.50
7+80		4.77	415.72
T.P. 9.00	429.05	0.44	420.05

12/15/55

West Liberty

6.46
3.93
9

℄ pipe 9' From North pr top Ave

TBM State Hwy Marker

Top Stem GV

Top 10" AC Main Dug 1.17 1.13 1.93

6.46
3.93
4.39

TP on ℄

Top 10" AC Pug

" " " Dug 3.85 1.02

" " " 4.87

" " "

Top 10" AC Pipe

" " "

	129.05		
8+60±		6.28	422.77 ~~428.77~~
	11.37	440.00	0.42 428.63
	10.35	449.85	0.50 439.50
	7.75	454.40	3.20 446.65
			2.64 451.76 =

Top CV @ closed Position

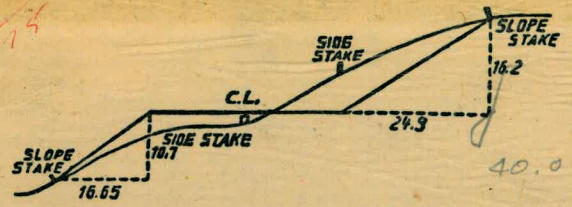
5.3
3.5
1.8

151.82 Chlorination Obstruction Tank
292.0

5.1416
12561.70
60
17
12
50
48
20
12
80

5.1416
7
35.9912

0+00
6+18
41.1328



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

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