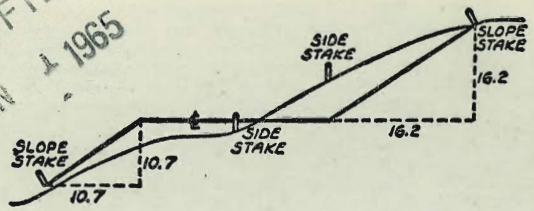
2180

MICROFILMED
JAN 1 1965



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.

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

Bay Park Village

notes on Drain - Lister & Frankfort Sts — Pgs 1-4

Alley - Drain Milton & Frankfort to Lister & Galveston — 5-10

X-Sec. Alley Blk 87 " " " — 12-14

Bay Park Village Drain Milton St & Illion St — 15-25

Drain survey - Lot P. Mt View Manor — 26.

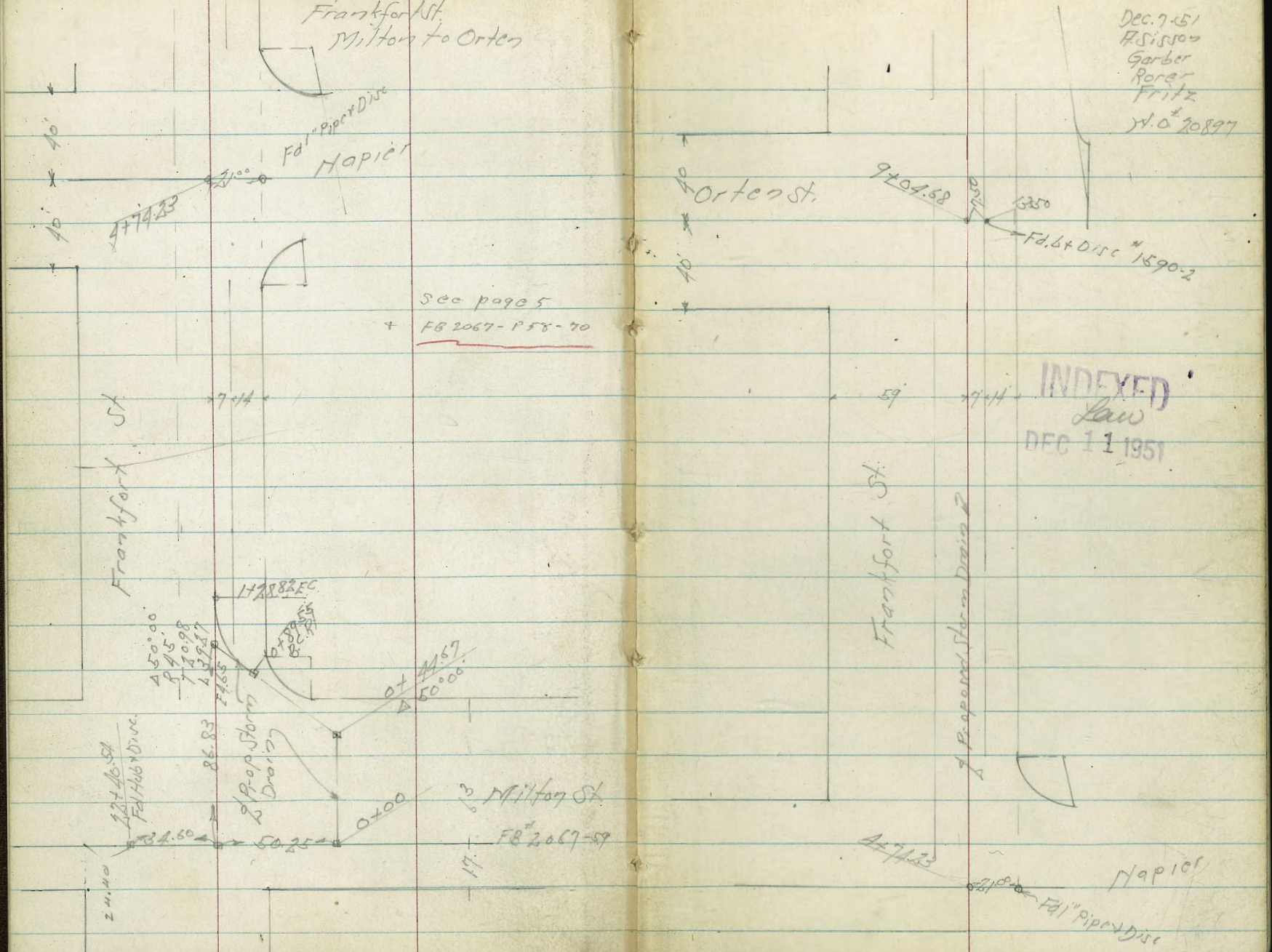
"P" Line - "ELECTRIC" - Rosemont to Westbourne — 28

Alley Blk J, Balboa Vista — 43

" " I " — 48

Proposed Storm Drain
Frankfort St.
Milton to Orten

Dec. 7-51
R. Sisson
Garber
Roret
Fritz
W.O. # 20897



Levels Proposed Storm Drain
Frankfort St. Milton to Orten.

BM	2.55	57.59 ✓		55.04	on ℄ Hub 2067-69 22+40.54
0+0			8.5	49.1	
+06			9.4	48.2	
+17			6.5	51.1	
+30			6.2	51.4	
+44.67	△ 50° 00' Lt.		7.0	50.6	
+50			6.5	51.1	
+55	2.7' Lt of ℄ = End Cb		6.45	51.14	
+56	1.0' Lt of ℄ = ℄ Power Pole			#4249	
+89.55 = BC Rt.			5.5	52.1	
1+01	1.0' Rt of ℄ = ℄ Power Pole			#2998	
+03.5	Top Curb		5.16	52.43	
"	Gutter		5.77	51.82	
+09.18 = Mid Point			5.58	52.01	
+28.82 = EC			5.39	52.20	
+50			5.19	52.40	
2+0			4.75	52.84	
"	7' Rt = Gut		5.07	52.52	
"	7' Rt = Cb		4.44	53.15	

		57.59 ✓			
2+50			4.36	53.23	
3+0			3.92	53.67	
"	7' Rt = Gutter		4.22	53.37	
"	7' Rt = Curb		3.60	53.99	
+50			3.39	54.20	
4+0			2.99	54.60	
"	7' Rt = Gut		3.24	54.35	
"	7' Rt = Cb.		2.64	54.95	
+50			2.54	55.05	
TP	6.36	61.40 ✓	2.55	55.04 ✓	N.W. B.P. Frankfort & Napier 55.13
+74.23			6.14	55.26	
5+0			6.12	55.28	
+27			6.17	55.23	
"	7' Rt = Gutter		6.48	54.92	
"	7' Rt = Curb EC		5.93	55.47	
+50			6.10	55.30	
6+0			5.93	55.47	
"	7' Rt = Gut		6.28	55.12	
"	7' Rt		5.65	55.75	

		61.40 ✓		
6+50			5.71	55.69
7+0			5.57	55.83
"	7' Rt = Gutter		5.88	55.52
"	7' Rt = Curb		5.28	56.12
+50			5.46	55.94
8+0			5.18	56.22
"	7' Rt = Gutter in Drive		5.50	55.90
+50			4.95	56.45
+74			4.84	56.56
"	7' Rt = Gutter = ℄ 14.5 Conc Drive		5.12	56.28
9+0 4.68 = ℄			4.71	56.69
"	7' Rt = Gutter		5.08	56.32
"	7' Rt = Cb		4.42	56.98
+34			4.58	56.82
"	7' Rt = Gutter = ℄ 9' Conc Dr.		4.84	56.56
9+55			4.52	56.88
"	7' Rt = Gutter = ℄ 10.5 Conc Dr.		4.87	56.53
BM			4.45	56.95 ✓ B.P. 7 Cb Frankfort Mt Orton 57.06

Reduced By CRL 12-11-51

Proposed Storm Drain Lister St.
Morena Blvd. to Chicago St.

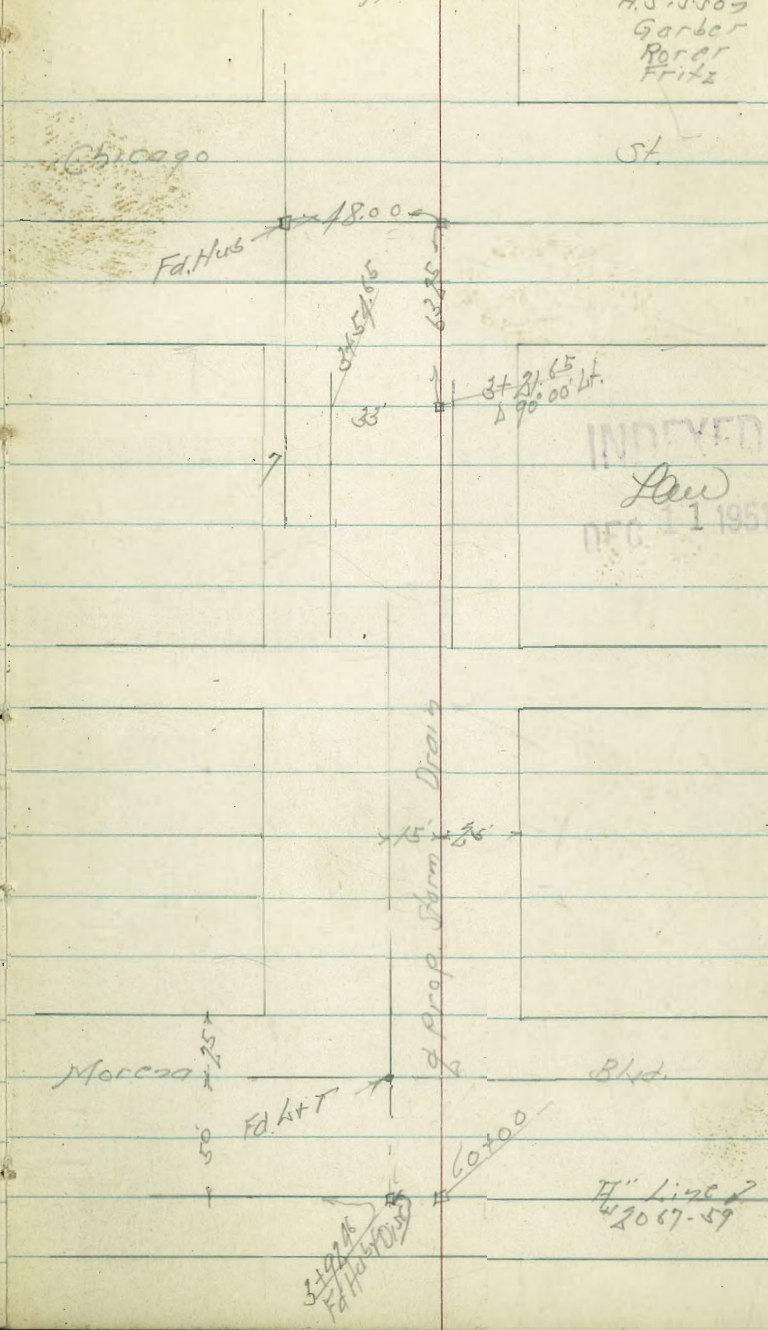
N.O. 20897

Dec. 10-51
A. Sisson
Garber
Rorer
Fritz

4

BM	8.19	15.71 ✓		7.52	on Hub 1+59.10 #2067-62
0+0 = 1+07.46 "A"			5.78	9.93	on Hub
+05			6.3	9.41	
+12			9.0	6.7	
+24			9.4	6.3	
+32			6.2	9.5	
+39.6 = Wly A.C.			6.13	9.58	
+49.6			5.86	9.85	
+59.2 = Ely A.C.			6.11	9.60	
1+0			5.7	10.0	
+50			4.9	10.8	
2+0			3.9	11.8	
+50			2.1	13.6	
TP	7.74	22.27 ✓	11.8	14.53 ✓	
3+0			6.3	16.0	
+21.65 Δ 90°00' Lt.			5.2	17.1	
+26			6.3	16.0	
+40			5.6	16.7	
+54.65			5.8	16.5	

Reduced By CRL 12-11-51



INDEXED
DEC 11 1951

Proposed Storm Drain
From Frankfort + Milton
To Lister + Galveston

~~Bay Park Village~~
Alley Blk 87

W.O. 20897
1-3-52

Milton to Lister
Bet. Frankfort & Galveston.

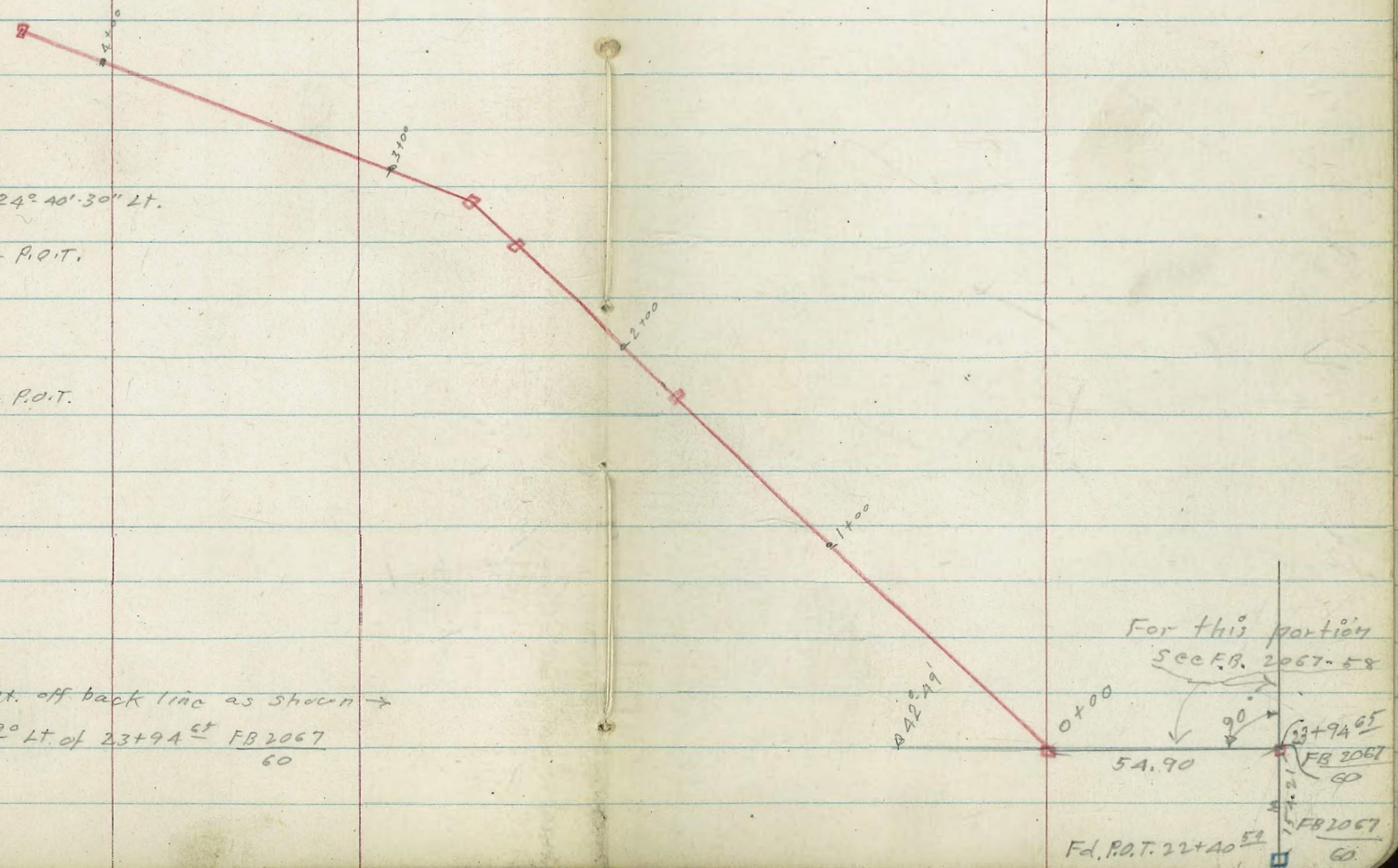
Sommermeyer
Begg
R. Sisson
W. Ottman

FB 2067-P58-70
FB 2180-P-1

INDEXED
JAN 4 1952

□ denotes Fd. 1/2 hub
□ denotes set 1/2 + disk

= End.
4+36.70



2+74.40 = Δ 24° 40' 30" Lt.

2+45.85 = 1/2 P.O.T.

1+73.00 = 1/2 P.O.T.

Δ 42° 49' Rt. off back line as shown →

0+00 = 54.90 Lt. of 23+94.65 FB 2067/60

For this portion
See F.B. 2067-58

Station				
0+60				
0+40				
0+16				
0+03				
0+00	4' Lt. = ℄ 24" corr. iron culvert			

W = in wash
B = Top of main bank

T.P.	6.39	65.41 ✓	1.87	59.02 ✓
B.M. #1			8.43	52.46 ✓
	5.85	60.89 ✓	—	55.04

B.L.

0+60: 58.8 / 6.6 / 10 — 58.5 / 6.9 / B — 56.4 / 9.0 / 2 w — 57.2 / 8.2 / 19 w — 59.4 / 6.0 / 23 B

0+40: 58.4 / 7.0 / 10 — 58.1 / 7.3 — 58.2 / 7.2 / 6 B — 56.7 / 8.7 / .7 w — 56.1 / 9.3 / 20 w — 59.0 / 6.4 / 23 B

0+16: 58.3 / 7.1 / 25 — 56.9 / 8.5 / 10 B — 55.7 / 9.7 / 2 w — 54.7 / 10.7 / Gnd. w — 52.7 / 12.7 / I.E. pipe ℄ — 56.1 / 9.3 / 2 w — 56.7 / 8.7 / 10 B — 59.0 / 6.4 / 25

0+03: 57.4 / 8.0 / 25 — 56.1 / 9.3 / 10 w — 55.6 / 9.8 / w — 56.7 / 8.7 / 10 w — 57.8 / 7.6 / 20

0+00: 55.7 / 9.7 / 10 B. — 50.7 / 14.7 / 9 w — 52.0 / 13.4 / 4 I.E. — 52.27 / 13.14 / w — 52.7 / 12.7 / 1 w — 54.9 / 10.5 / 2 B — 56.4 / 9.0 / 14

65.41

Also = 23+94.65 F.B. 2067 p 60
½ - 54.90 south of 0+00 (see sketch) -

Set B.M. = S.W. B.P. Milton + Frankfort.

B.M. = ½ P.O.T. sta 22+40.54 FB 2067 - p 69

4

2+00					
	62.5	57.0	57.0	62.5	
	6.2	11.7	11.7	6.2	
	10	8	W	A	
	B	W		B	
1+95					
	62.5	56.9	57.1	61.7	62.1
	6.2	11.8	11.6	7.0	6.0
	13	11	3	B	10
	B.	W	W		
T.P.	7.79	68.74 ✓	4.46	60.95 ✓	T.P. 2/2 1+73.00
1+35					
	61.1	60.8	56.8	56.6	59.6	60.1	60.6
	4.3	4.6	8.6	8.8	5.8	5.3	4.8
	40	29	28	15	14		10
		B	W	W	B		
0+90							
	59.8	56.2	56.2	59.0	59.4		
	5.6	9.2	9.2	6.4	6.0		
	15	12	2	B	5		
	B	W	W				
0+88							
	59.7	56.2	56.4	58.9			
	5.7	9.2	9.0	6.5			
	13	10	W	2			
	B.	W		B			
0+61							
	58.6	56.4	57.2	57.4			
	6.8	9.0	8.2	6.0			
	1	W	19	23			
	B		W	B.			

65.41 ✓

2+52

2+51

2+40

2+20

2+11

2+05 = Aprox. wly line Galveston

64.0 63.6 57.3 57.5 63.4
4.7 5.1 11.4 11.2 5.3
10 1 W 12 16
B W B

63.6 57.3 57.4 63.4
5.1 11.4 11.3 5.3
B 1 13 17
W W B

63.9 63.3 63.0 57.5 57.1 63.7
4.8 5.4 5.7 11.2 11.6 5.0
10 12 13 22 29
B W W B

63.1 63.3 60.7 57.7 57.2 64.1
5.0 5.4 8.0 11.0 11.5 4.6
10 B 5 7 16 18
W W B

57.6
11.1
W

62.9 57.2 57.0 54.8 62.5
5.8 11.5 11.7 11.8 6.2
7 5 W 5 8
B; W W B

68.74

3+45

65.0 59.7 58.0 64.3 65.3 65.5
3.7 9.0 10.7 4.4 3.4 3.2
26 24 9 5 15
B W W B

3+40

65.0 59.7 57.4 58.3 65.1
3.7 9.0 10.8 10.4 3.6
26 24 15 W 7
B W W B

3+37

65.0 64.7 59.1 58.3 58.5 65.0
3.7 4.1 9.0 10.4 10.2 3.7
30 28 23 W 4 9
B W W

3+35

64.9 63.9 58.0 58.0 58.1 59.7 64.3
3.8 4.8 10.7 10.7 10.6 9.0 2.4
30 6 4 W 5 7 35
B W W B1

3+15

63.8 62.7 57.9 57.8 57.7 64.0
4.9 6.0 10.8 10.8 11.0 3.9
20 6 3 4 9
B W W B

Section on split of Δ
2+74 40 = Δ 24°-40'-30" Lt.

64.1 62.5 57.4 57.45 57.2 62.6
4.6 6.2 11.3 11.29 11.5 5.1
20 9 6 Hub 5 8
B W W B

68.74

℄

Orig. B.M. – P6 Reduced By CRL 1-8-52

B.M. #1 – Page 6

	Check			5.32	55.04 ✓ 55.04
	Check			7.90	52.46 ✓
	T.P.	1.33	60.36 ✓	6.40	59.03 ✓
3	T.P.	4.48	65.43 ✓	7.79	60.95 ✓
	4+73 = { also = Aprox. ℄ ditch from N.E. intersect fence. = Aprox Lister Nly. line				
3					
	4+50				
3+	4+47				
3+	4+36.70			3.97 Hub	64.77 ✓
3	4+25				
2	3+95				

	67.7	60.2	60.2	61.2	66.9		
	1.0	8.5	8.5	7.5	1.8		
	6	4	w	9	13		
	B	w		w	B		
			60.0				
			8.7				
			w				
			65.2				
			3.5				
			B				
63.8	59.4	59.3	64.3	65.0	67.1		
4.9	9.3	9.4	4.4	3.7	1.6		
18	16	7	6	Grd.	15		
B	w	w	B				
64.1	63.9	60.9	59.3	64.1	64.7	66.7	
4.6	4.8	7.8	9.4	4.6	4.0	2.0	
35	30	28	11	10		15	
	B	w	w	B			
66.7	66.7	61.6	58.7	58.6	66.8	67.1	
2.0	2.0	7.1	10.0	10.1	1.9	1.6	
25	23	19		7	9	15	
	B	w		w	B		

68.74 ✓

Channel Cross Section

see $\frac{FB\,2067}{69}$ + $\frac{2180}{5}$ 1-17-52 C.H.S.

21+10 see below

7.61 60.07 — 52.46

= 0 — 54.90 P-5 this book,
22+40.54 FB 2067 P69

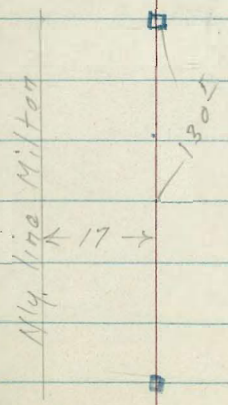
sta 21+10 (see F.B. 2067 P.69)

B.L.

56.1	56.0	52.6
4.0	4.1	7.5
50	45	43

51.2	51.4	55.3	55.3	
8.9	8.7	4.8	4.8	
38	30	28	25	60.07

S.E. B.P. Milton + Frankfort (Page 6)



Cross Sec. for grade Est.

Alley Blk 87 Bay Park Village
~~Mitton to Lister~~
between Frankfort & Galveston

1-17-51

C.H.S.
B.99
R. Sissan
W. Oltman.

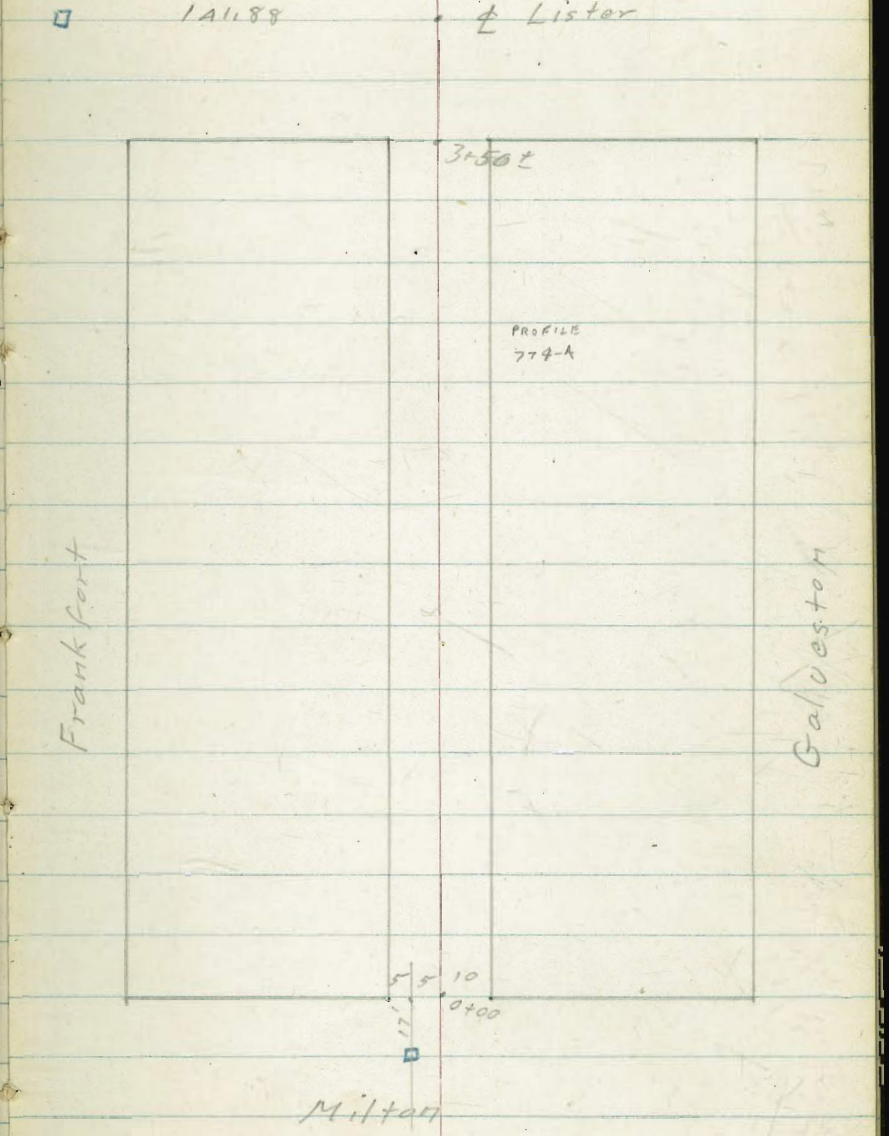
FB. 1502
48

0+00 = Nly line Milton St.

General drainage of block is to S.S.W.

INDEXED
JAN 2 1952

0-54.90 - P5



0+65				57.8 7.1 10	58.8 6.1	58.7 6.2 10	
0+47				53.4 11.5 10 in wash	55.4 9.5 ~~in wash~~	53.6 11.3 10 in wash	
0+43	page 5 change profile of drain see washed out last night. This was road over + thru. wash in wash			52.9 12.0 10	53.2 11.7	53.2 11.7 10	
0+38				53.0 11.9 10 in wash	55.8 9.1 3	55.9 9.0	56.6 8.3 10
0+20				57.1 7.8 10	57.9 7.0	58.6 6.3 10	
0+00	Nly. line Milton			58.6 6.3 10	59.0 5.9	59.3 5.6 10	
					64.91		
0+00=							
	5.89	64.91	—	59.02	(= 0-54.90 - P. 5) 2/2 5' Lt of 0-17		

see orig x-sec. for Lister St.

3+50 = Approx. 51' line Lister

T.P.	10.47	85.87	0.15	75.40
3+00				
T.P	12.38	75.55	1.74	63.17
2+50				
2+00				
1+50				
1+00				

79.3	76.1	75.8	74.7	70.0
6.6	9.8	10.1	11.2	15.9
50	10	85.87 ✓	10	50

69.2	65.2	64.8	64.2	69.4
6.4	10.3	10.8	11.3	7.2
50	10		10	50

75.55 ✓

	62.2	62.2	62.2	
	2.7	2.7	2.7	
	10		10	

58.6	60.1	60.2	60.1	61.4
5.3	4.8	4.7	4.8	3.5
50	10		10	50

58.7	59.0	59.2	
6.2	5.9	5.7	
10		10	

57.3	58.4	58.8	58.8	59.1	
7.6	6.5	6.1	6.1	5.8	
50	10		10	45	

64.91 ✓

Bay Park Village Storm Drain

Milton - Frankfort to Illion St.

Illion Milton to Orten 1-17-52

WO 20897

□ = Fd ¾" hub & tack or disk

● = Fd. disk & tack

□ = set ¾" + disk

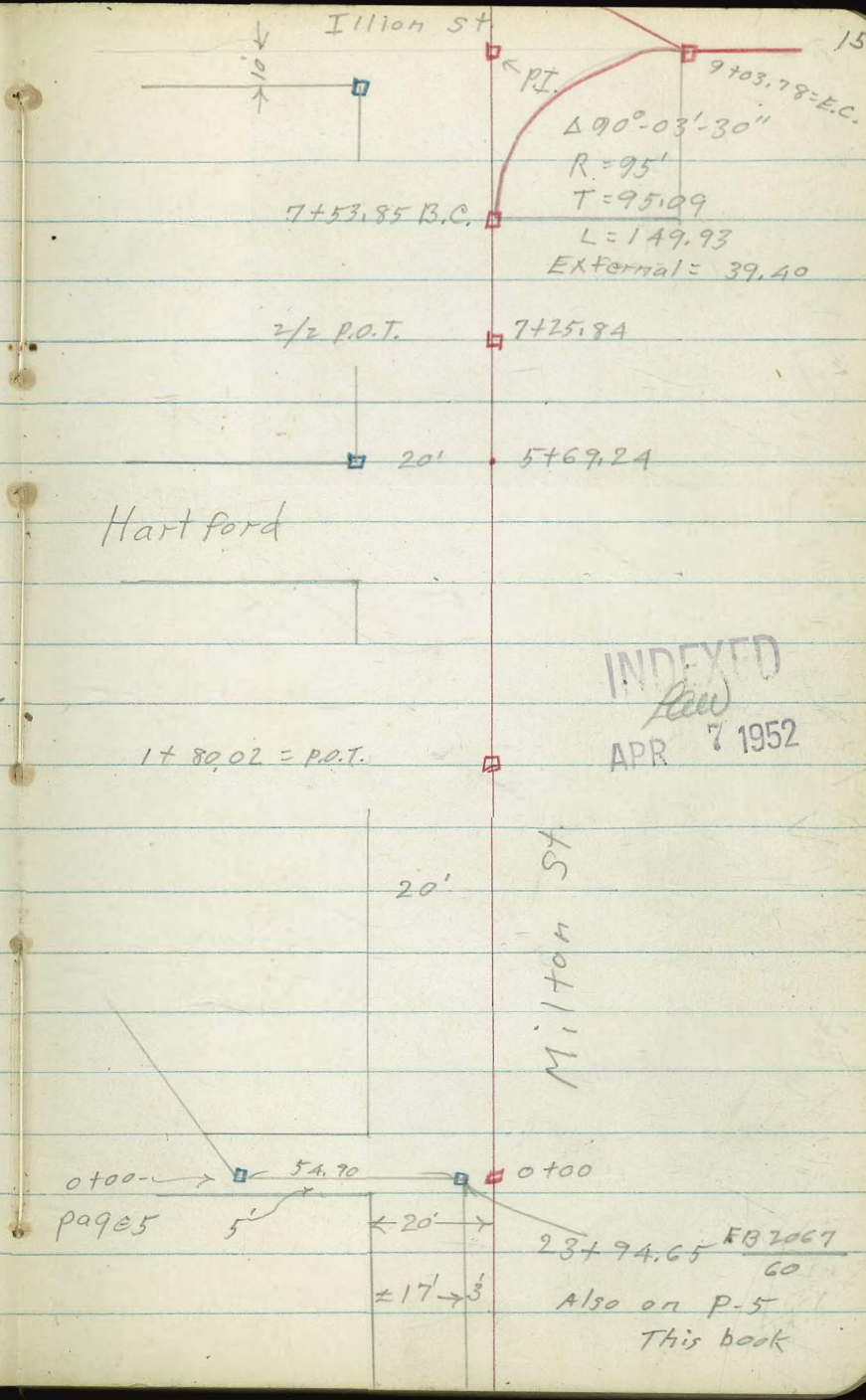
× = cut cross } in conc.

↓ = cut arrow }

cuts taken to near side of poles,

" " " " " " " trees

" " " Ctr. of deadman



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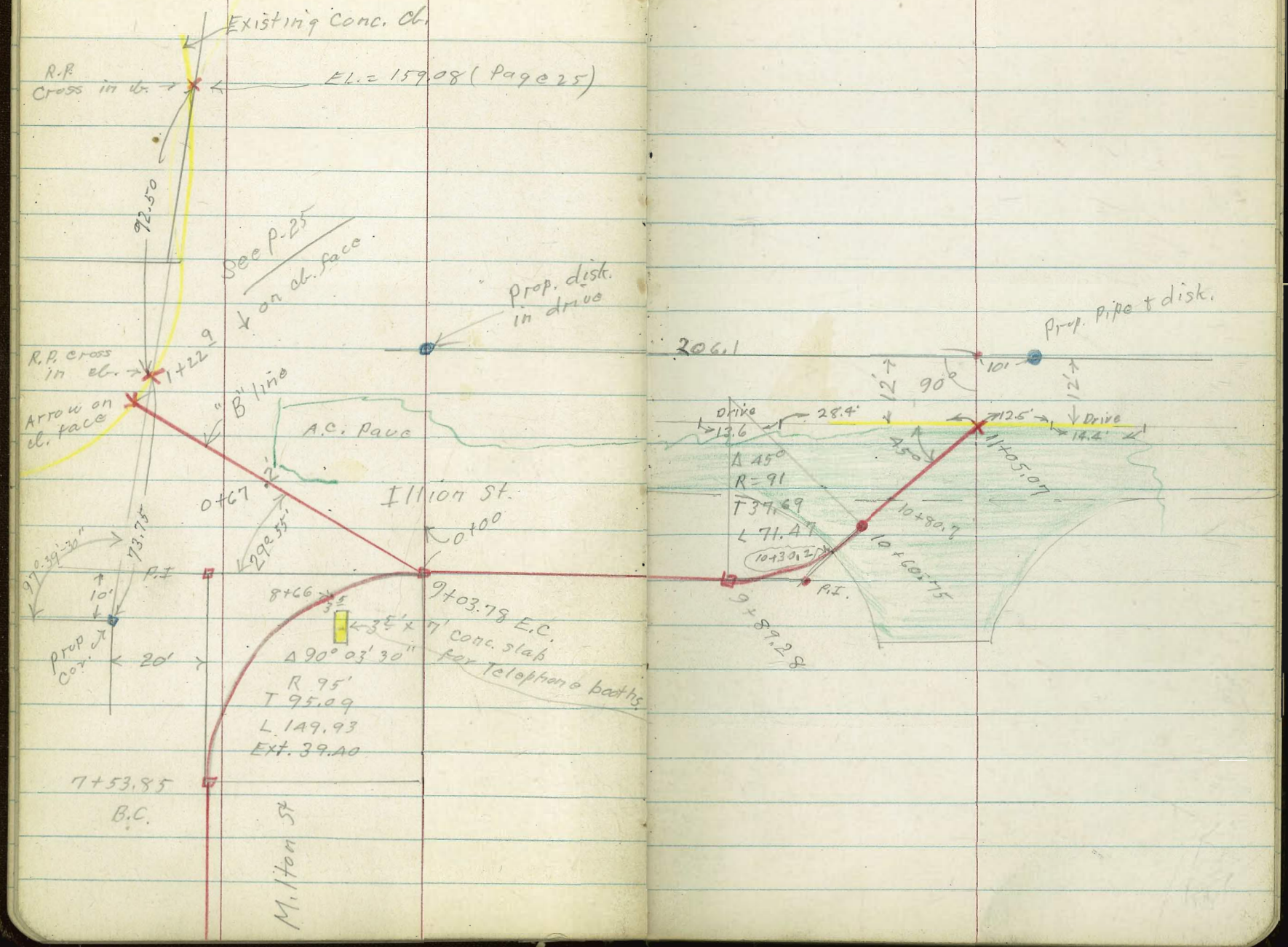
law
APR 7 1952


Existing Conc. Cb.
R.P. Cross in cb.
EL. = 159.08 (Page 25)
92.50
See P-25
on cb. face
prop. disk. in drive
R.P. cross in cb.
1+22.9
Arrow on cb. face
"B" line
A.C. Pave
0+67
Illion St.
0+00
73.75
97°39'30"
29°55'
P.I.
10'
prop. cor.
20'
8+66
3.5
3.5' x 7' conc. slab for Telephone booths
9+03.78 E.C.
Δ 90° 03' 30"
R 95'
T 95.09
L 149.93
Ext. 39.40
7+53.85
B.C.
Milton St.
206.1
Prop. pipe & disk.
10'
12'
90°
Drive
13.6
28.4'
12.5'
Drive
14.4'
45°
Δ 45°
R = 91
T 37.69
L 71.47
11+05.07
10+80.7
10+30.2
10+60.75
P.I.
9+89.28

T.P.	13.21	83.56	0.15	70.35
1+47	10^5 Lt. = 2^5'			
1+43	10^5 Lt = 3'			Eucalyptus.
1+39	10^5 Lt = 2^5'		Diam.	
1+25	8^5 Lt. = 3'			
1+17	10^5 Lt. = 2.6"			
1+09	7^5 Lt. = 4'			
1+00				
0+98	11^5 Lt. = 16" diam			
0+90	11^5 Lt. = 16" diam			Eucalyptus
0+85	7^5 Lt. = 2' diam.			
0+77	11' Lt. = 2' diam.			Eucalyptus
0+65	12' Lt. = 18" diam.			Eucalyptus
0+50	7^5 Lt. = 2' diam			Eucalyptus
	out taken to near side of trees			
0+21	- 12' Lt. - 2' diam			Eucalyptus
0+00				
	11.48	70.50	—	59.02

65.6	66.4	66.7
4.9	4.1	3.8
15		15
	62.9	
	7.6	
58.9	59.3	59.5
11.6	11.2	11.0
15	70.50	15

EL. = 59.02 page 6

B.M. = 2/2 - 3' Lt. 0+00 = 0-54.90 page 5

4+40				
T.P.	13.35	122.25	0.51	108.90
4+00				
3+50				
T.P.	13.06	109.41	0.19	96.35
3+00				
T.P.	13.14	96.54	0.16	83.40
2+50				
2+00				
1+80 ± = ½ P.O.T.			8.84	74.72
1+50				

107.0
15.2
20

107.4
14.8
15

112.6
9.6
6

112.6
9.6
122.25

113.6
8.6
15

102.2
7.2
15

106.2
3.2

107.2
2.2
15

98.3
11.1
109.41

87.9
8.6
15

90.0
6.6
96.54

90.1
6.4
15

88.0
1.6

76.3
7.3
15

76.7
6.9

77.0
6.6
15

72.0
11.6
83.56

T.P.	12.58	159.17	0.66	146.59					159.17	
6+50									141.2 6.0	15
6+00						136.2 11.0 15	136.2 11.0 13	132.4 14.8 7	132.2 15.0	132.6 14.6 15
T.P.	12.85	147.25	0.25	134.40					147.25	
5+69.24	20' Ltr. N.E. Prop 2/2			Hartford Milton +	129.76 4.89 20 on Hub.	130.4 4.2 15	130.0 4.6 10	127.8 6.8 7	128.0 6.6	128.6 6.1 15
5+50							125.6 9.0 15		126.0 8.7 134.65	126.4 8.3 15
T.P.	12.58	134.65	0.18	122.07						
5+00					118.4 3.8 15	118.6 3.7 12	121.6 0.7 6		121.6 0.6	122.2 0.1 15
4+75					113.8 8.5 15	113.8 8.5 13	118.2 4.0 6		118.2 4.0	119.0 3.3 15
									122.25	

it is Set at 90° to Illion St.
Conc. base for 2 telephone booths

8+66 - 3^{5} Rt. = N.E. Cor. 3^{5} wide (N+S) × 7' long. (E+W)

156.49
5.19
3^{5}
N.E. Cor.

8+56 3^{7} Lt. = Pole # 4599

6

39.40 Lt. = P.I. 2/2

8+28.81 = Mid curve

157.28 157.3 157.2 156.9
4.40 4.4 4.5 4.8
39.40 15 15
P.I. 2/2

T.

156.8 157.0 157.0
4.9 4.7 4.7
15 15

5+ 7+91.33 1/4 curve

(Δ = 90°-03'-30" Rt.)

161.7 161.5 155.6 155.3 155.6
0.0 0.2 6.1 6.4 6.1
20 15 6 15

5 7+53.85 = B.C. 95' Rad. Curve

T

161.68

P.I. 2/2 4.40 157.28

5 T.P. 8.82 161.68 — 152.86

157.0
7+25.84 = 2/2 P.O.T. 6.31 152.86 6.2

4

154.1 154.0 149.6 149.5 150.3
5.1 5.2 9.6 9.7 8.9
15 13 7 15

7+00

159.17

T.P. on B.C.	4.02	152.24 ✓	10.58	148.22 ✓
9+89.28 = ℄ = B.C. Lt.				
9+58				
9+45				
	3.30	158.80 ✓	—	155.50 ✓
9+03.78 = E.C.			6.18 Hub	155.50 ✓
8+74 3' Rt. = deadman				
8+73 9 3 Rt. = pole # 573952				
8+66.29 = 3/4 curve				

148.4 / 148.22 / 147.8
10.4 / 15 — 10.58 Hub — 11.0 / 15

148.8 / 148.8 / 148.0
10.0 / 15 — 10.0 — 10.8 / 15

154.1 / 154.7 / 154.9
4.7 / 15 — A.1 — 3.9 / 15

158.80 ✓

155.4 / 155.6 / 155.5
6.3 / 15 — 6.1 — 6.2 / 15

156.5 / 156.4 / 154.47 / 156.1
5.2 / 15 — 5.3 — 5.21 / 35 on Conc. — 5.6 / 15 Gnd.

161.68

						℄			
			147.37	145.50	144.60	144.26	144.20	144.38	144.63	144.99
10+80^{7}	Δ 45° Rt. of ℄ drain along line of pave		4.87 100	6.74 65	7.64 40	7.98 20	8.04	7.86 30	7.61 60	7.25 100
	(Sec. at 90° to ℄) wly edge pave produced from south				144.42		144.20		143.85	
10+80^{7} =	cross wly line of general				7.82 15		8.04		8.39 15	
					144.28		143.74		142.94	
10+65^{75} =	E.C. Radial				7.96 15		8.50		9.30 15	
	Irreg. curve Aprox. 40-Rad. along edge of A.C. Pave				144.09		142.59		140.89	
10+30^{25}	Not at 90° to ℄ but is				8.15 15		9.65		11.35 15	
							142.59			
10+30^{2} =	start A.C. Pave						9.65			
					144.1		144.1		143.2	
10+25					8.1 15		8.1		9.0 15	
					145.9		145.3		144.5	
10+00					6.3 15		6.9		7.7 15	

152.24 ✓

Illion (B line - P16)

See P. 24 for levels across

3.74 157.62

5.85 155.51 (155.59)

T.P. 10.32 1.61.36 1.20 151.04

Sec. along curb

11+05.1 = top of curb

64' Lt. = Δ in ch. (Δ to west)

Sec. in gutter

11+05.07 = X on Ch. face = end of line

Sec. Along Gutter edge

11+03.8 = wly. edge Conc. Gutter

Marked. El. 157.74

Fd Nail in pole #4599 (Swly Cor Milton + Illion)

Check B.C. 9+03.78

161.36

14+00	13+00	12+00	11+00	10+00	9+00	8+00	7+00	6+00	5+00
14.54	13.54	12.54	11.54	10.54	9.54	8.54	7.54	6.54	5.54
5.70	6.93	7.11	7.32	7.35	7.40	7.42	7.36	6.95	6.79
100	64	50	28	20		27	45	84	102
14.01	13.01	12.01	11.01	10.01	9.01	8.01	7.01	6.01	5.01
6.18	7.40	7.57	7.74	7.75	7.72	7.70	7.67	7.39	7.22
100	64	50	28	20		27	45	84	102
14.00	13.00	12.00	11.00	10.00	9.00	8.00	7.00	6.00	5.00
6.04	7.35	7.56	7.77	7.74	7.73	7.72	7.66	7.26	7.10
98±	62±	50	26±	18±		28±	46±	88±	103±

152.24

Cont. P-25 "B" line
see sketch P-16

1+23	=	top of curb		157.15 ℄ 4.21		
122.9	=	gutter at curb		156.67 4.69		
1+21.4	=	edge conc. gutter		156.78 4.58		
0+90			156.4 5.0 10	156.5 4.9	156.6 4.8 10	
0+82 - 0.5' Lt =		Cap over water valve				
0+67	2' Rt. =	N. wly. cor A.C. Pave	156.7 4.7 10	156.0 5.4	156.02 5.34 2 Edge pave	155.82 5.54 10 on Pave
0+40	Rt. =	wly edge existing A.C. Pave	156.6 4.8 10	156.0 5.4	154.61 6.75 15 E. Pave	
0+25			156.4 5.0 10	156.4 5.0	154.5 6.9 10	
= 0+00 - 9+03.78 }		See P.16		155.51 5.85		

161.36 From P-23

N. Ely. Return
Milton & Illion

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Paid
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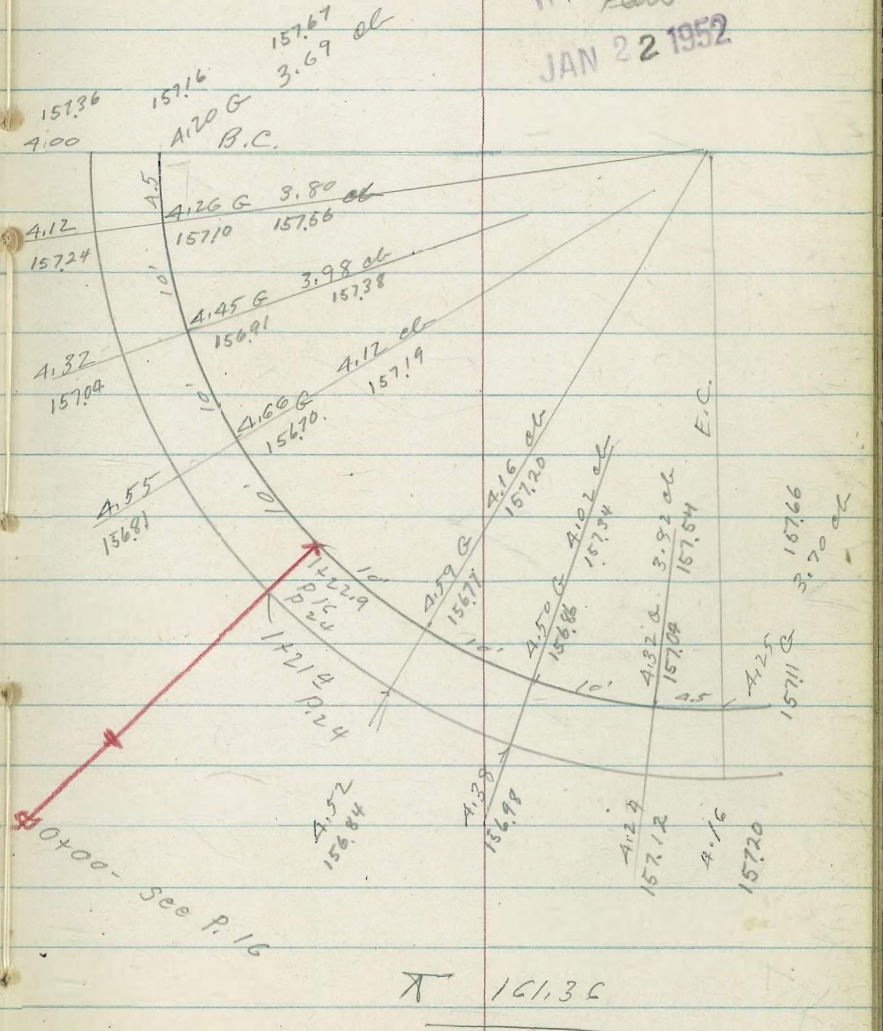


See P.16

166.25 R.P. Cross Mty. ob. 2.28 159.08

Set B.M.

T 161.3 C

Clark
Shephard
Bruner

W.O. 20766
9-29-52

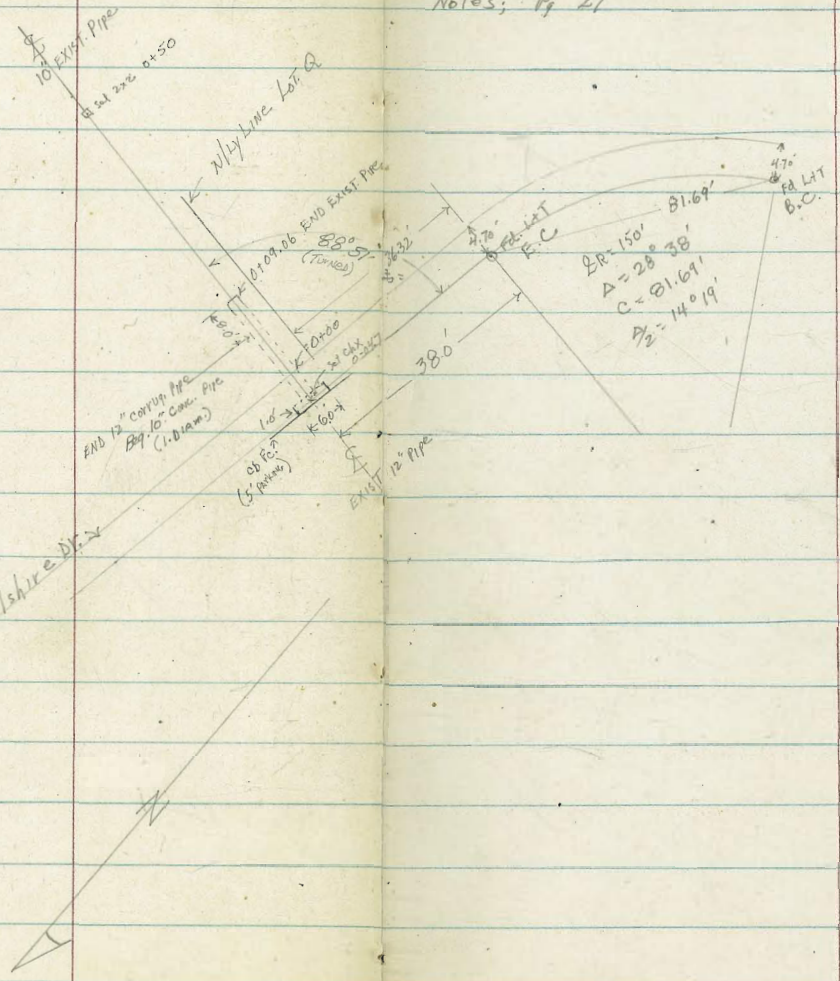
DATA: FB 1194 f 64/70
DWG: 9162-B

SURVEY TO EXTEND DRAIN
LOT "P" MT. VIEW MANOR - WILSHIRE DR.

INDEXED
SEP Rec'd
1952

Sketch NOT to scale:

Notes; Pg 27



INDEXED
SEP 1952

SURVEY - EXTEND DRAIN - LOT "P" WILSHIRE DR.
MT. VIEW MANOR

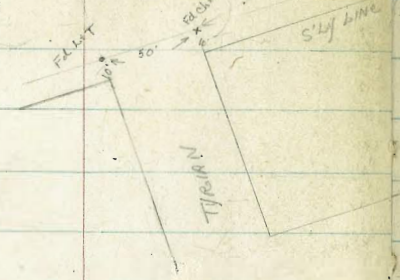
						LT.	℄	RT.
		Check: 5.60		385.53 = 385.54 = BP	N/W Wilshire + 35'th			
T.P.	11.19	391.13	0.51	379.94	Set Spike in Pole # P-5367 5' RT ℄ Inlet			
0+75						26.5 / 10	25.0	23.0 / 10
0+50						16.1 / 10	15.5	14.0 / 10
0+32		3.0' RT ℄ Deadman						
0+25						8.6 / 10	7.5	6.5 / 10
0+09.06	END EXIST. Pipe					0.9 / 10 0.9 / 6	3.85 Fl. Line	1.6 / 3 1.5 / 10
0+00 = E/y Line Wilshire							0.64 Bk. Walk	
0-05 = Ch Face						0.79 TPCB	1.78 Gutt.	2.71 Fl. Line Inlet
T.P.	0.10	380.45	10.80	380.35			380.45	
B.M.	5.61	391.15		385.54 = N/W B.P.	Wilshire + 35'th			

Clark
Shepherd
Bruner
Presley
W.O. 27526
1-23-53

"P" LINE - ELECTRIC Ry to FAY AVE

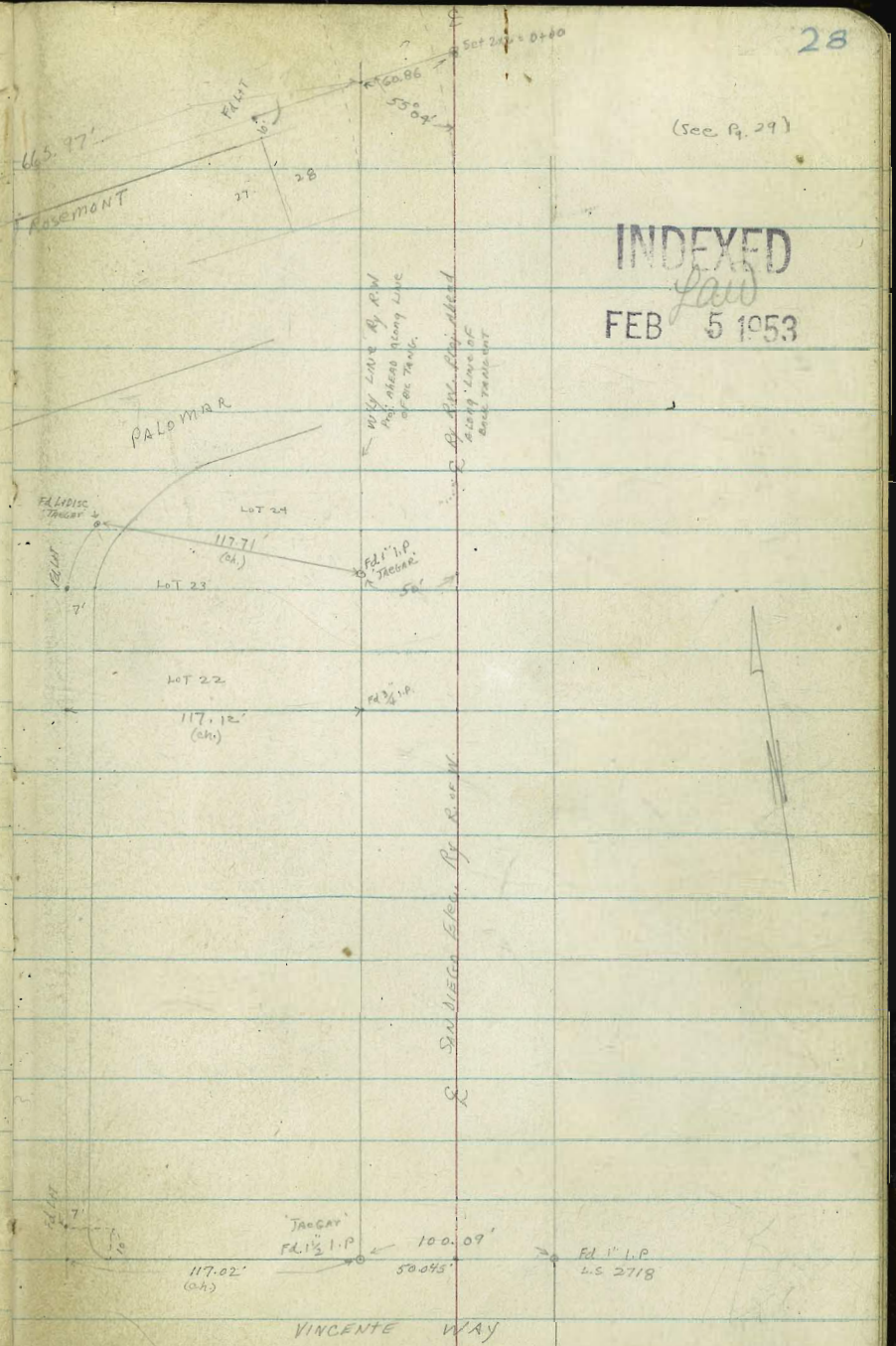
Rosemont to Westbourne

Sketch NOT to SCALE.



DATA: Maps 1729
1808
1977
TP 17-36
18

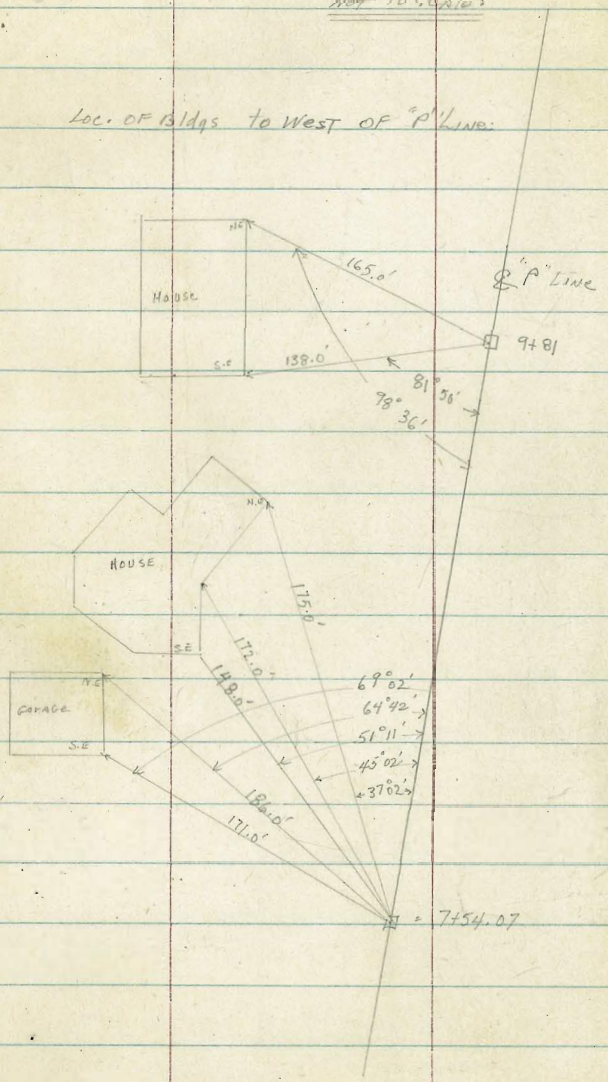
R/S 2079
2907-L
2909-L
2021-L
6702-L
7610-L
7714-L
~~550-56~~
~~1639-58~~
~~820-B~~
~~823-B~~
~~4296~~
4354
4788-B
7211

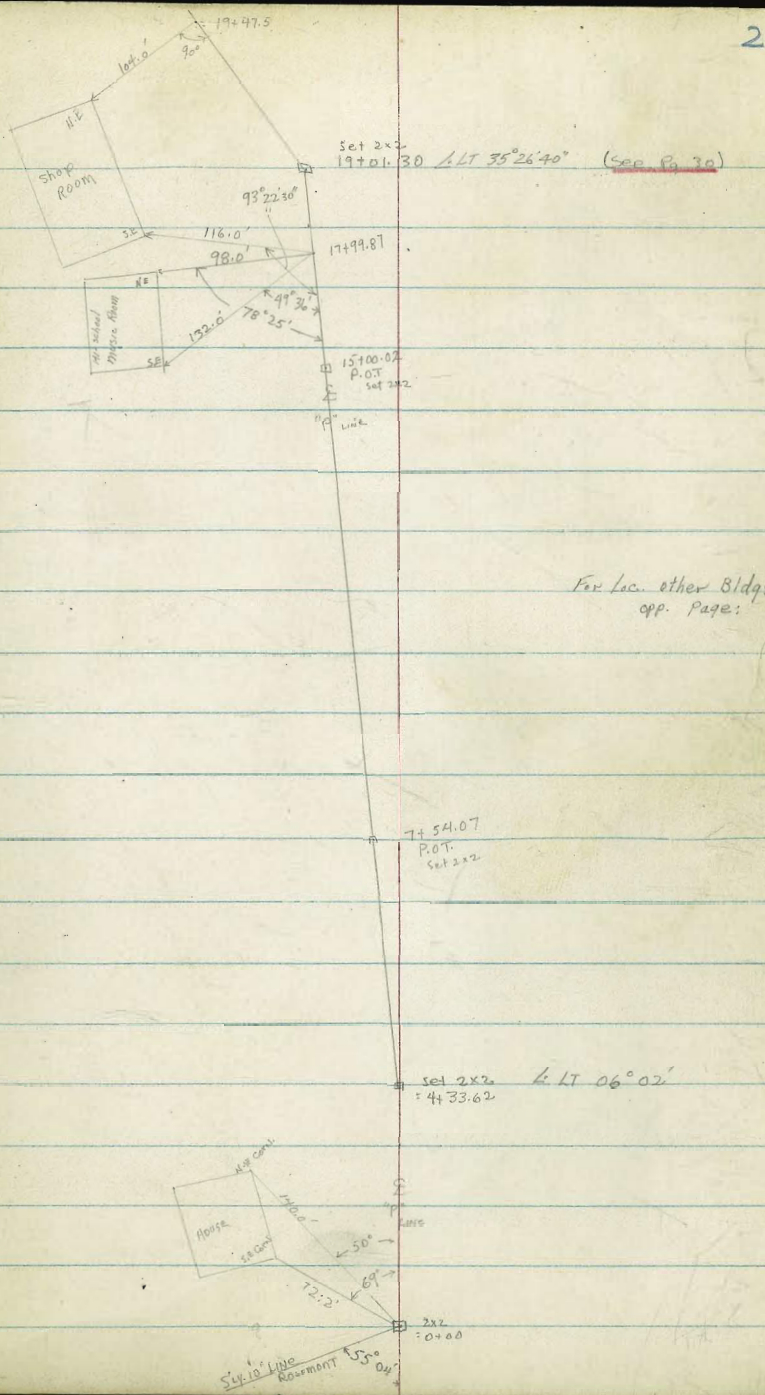


"P" Line (cont.)

~~Not~~ to Scale:

Loc. of Bldgs to West of "P" Line:



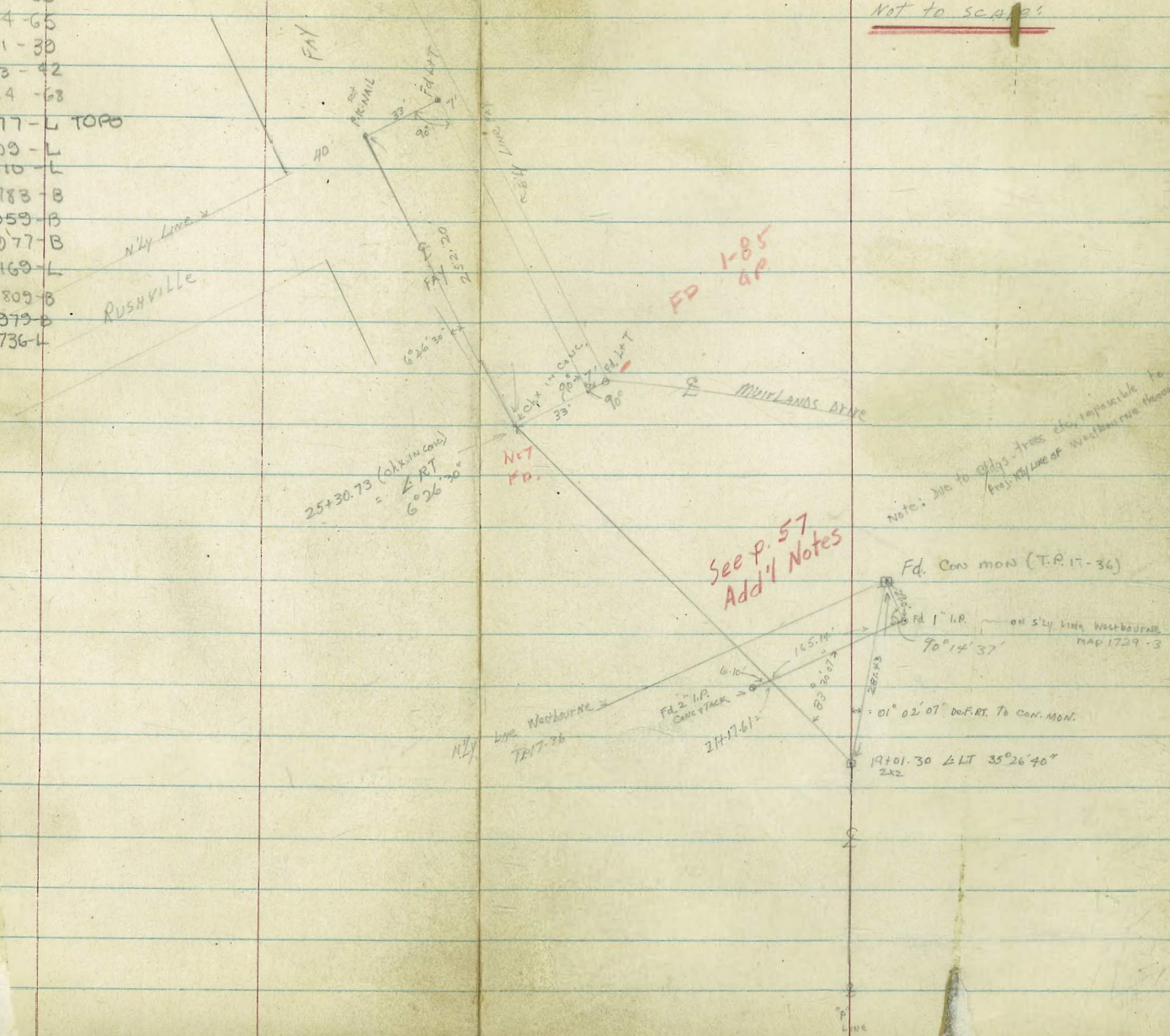


"P" LINE (CONT.)

FAY

FB 1120-56
1424-65
1501-39
1533-42
1424-68
1077-L TOPO
1809-L
1810-L
4783-B
1959-B
1977-B
7169-L
4809-B
1979-B
5736-L

Not to scale:



Clark
Shephard
Bruner
Presley

"P" Line - Levels:
& Profile

1-30-53

T.P.	11.98	138.90	0.37	126.92	
1+50			1.50		125.79
1+00	toe slope		8.56		118.73
0+50			7.85		119.44
0+00 = P.I.	S-Ly 10' Line Rosemont & E Ry R.W. Proj. Ahead		3.73		123.56
0-50			3.04		124.25
T.P.	12.02	127.29	0.25	115.27	127.29 ✓
T.P.	12.10	115.52	0.11	103.42	
T.P.	12.04	103.53	0.27	91.49	
B.M.	7.96	91.76		83.80 S.E. B.R. Rosemont & Electric	

℄ Profile "P" Line (cont.)

6+00			6.25	
5+00			7.56	
4+33.62 4LT 6° 02'			6.04	
T.P.	10.45	194.54	0.69	184.09
4+00			2.77	
T.P	11.09	184.78	0.07	173.69
T.P.	12.23	173.76	0.15	161.53
3+00			2.63	
T.P.	11.81	161.68	0.14	149.87
T.P.	11.96	150.01	0.85	138.05
2+00			3.70	

℄
188.29
186.98
188.50
194.54
182.01
184.78
159.05
161.68
135.20
138.90

℄ Profile "P" Line (cont.)

					℄
9+81	Top Rise			2.98	170.26
9+40	Shoulder			5.90	167.34
T.P.		11.47	173.24	0.15	161.77	173.24
9+00				9.66	152.26
8+72	Bott. Draw			14.6	147.32
T.P.		0.92	161.92	11.71	161.00	161.92
T.P.		0.05	172.71	11.49	172.66	
8+00				7.10	177.05
T.P.		0.91	184.15	11.30	183.24	184.15
7+54.07 = 2x2 = P.O.T. shoulder - begin slope into Draw				4.76	189.78
7+00				3.66	190.88
					194.54

Profile "P" Line (Cont.)

15+00.02 = 2x2 P.O.T Brow			4.47		187.30
T.P	2.64	191.77	0.18	189.13	191.77
14+00			6.30		183.01
13+00			11.11		178.20
T.P.	11.81	189.31	0.65	177.50	189.31
T.P.	12.28	178.15	0.13	165.87	
12+00			0.60		165.40
T.P.	11.70	166.00	0.59	154.30	166.00
11+00			6.57		148.32
T.P.	4.95	154.89	11.83	149.94	154.89
T.P.	0.75	161.77	12.22	161.02	
10+00			5.85		167.39

℄ Profile "P" Line

18+79 Shoulder			3.90		190.01
18+53.97 = 2x2 P.O.T.			1.22		192.69
18+16 Shoulder			1.83		192.08
17+99.87			6.19		187.72
T.P.	11.92	193.91	0.15	181.98 ~~181.91~~	193.71
T.P.	12.13	182.14	0.40	170.01	
17+00			4.82		165.59
16+46 Toe			10.06		160.35
15+97 Toe Slope			11.92		158.49
T.P.	10.51	170.41	9.48	159.90	170.41
T.P.	0.42	169.38	11.09	168.96	
T.P.	0.43	180.05	12.15	179.62	
15+36 Shoulder			10.23		181.54
					191.77

℄ Profile "P" Line

℄

For X-Sections See Pg 37

	Check		8.96	149.01 = 149.29 = L+NAIL IN S.W. Rt. Rushville+FAY	
21+16	APPROX. S.Line Westbourne		6.95		151.02
T.P.	5.05	157.97	12.20	152.92	157.97
20+40	toe		10.65		154.47
20+00			3.18		161.94
T.P.	0.86	165.12	12.14	164.26	165.12
T.P.	0.98	176.40	11.75	175.42	
19+01.30 L.LT.	35° 26' 40"		1.25		185.92
~~18+79~~	~~BLOW~~ (see preceed. pg.)				~~190.01~~
T.P.	5.25	187.17	11.99	181.92	187.17

Clark
Shephard
Huffman
Acuna
1-31-53
W.O 27526

X-SECTIONS "P" LINE - Electric Ry to Fay Ave

STADIA SECTIONS At 90° ℄ OFF BK TANG. unless otherwise Noted.
For Elev. of ℄ STATIONS (1x1 Studs) See Pgs. 31-36

INDEXED 31

FEB 5 1953

STA	ROD INT.	VERT ∠	COMP. DISTANCE	DIFF Elev.	Elev. □	Elev.
RT	1.48	+10°25' ON 9.0	143'	+26.3 -4.1		145.8
RT	1.04	+10°20' ON 9.0	101'	+18.4		142.0 -137.9
RT.	0.53	+6°20'	52'	+5.8		129.4
LT	0.65	0°0 ON 16.0	65'	-11.1		112.5
LT Toe Ry Fill	0.42	0°0 ON 14.2	42	-9.3		114.3
LT	0.21	0°0 ON 5.25	21'	-0.35		123.2
□ 0+00					4.9=H.I 123.56	
RT.	1.46	+9°30'	142'	+23.8		148.0
RT	1.02	+8°16'	100.	+14.5		138.7
RT	0.60	+11°	57.8	+11.22		135.47
LT Sly C.B. Roadway Easement	0.72	-10°20'	69.7	-12.7		111.55
LT Toe Ry Fill	0.46	0°0 ON 13.7	46'	-9.1		115.15
LT	0.20	0°0 ON 6.6	20'	-2.0		122.25
□ 0-50					H.I=4.6 124.25	

STA	ROD INT.	VERT ∠	COMP. DIST.	DIFF. Elev.	Elev □	Elev.
RT.	1.58	+15°40'	146'	+41.		176.2
RT.	1.11	+15°20'	103'	+28.3		163.5
LT. Wly Toe	1.30	-8°50' ON 16.0	127'	-19.9 -10.7		104.8?
LT Wly Edge Ry Fill Top	0.80	0°0 ON 13.0	80'	-7.7		127.5
LT. Ely Edge Ry Fill Top	0.60	0°0 ON 13.0	60'	-7.7		127.5
LT Ely toe Ry Fill	0.50	-13°50'	47'	-11.6		123.6
□ 2+00					5.3=H.I 135.20	
RT.	1.80	+15°30'	167'	+46.4		165.1
RT.	1.05	+12°10'	100'	+21.6		140.0
LT			85			108.6 (hand-level)
LT. Edge Ry Fill			42			SAME ↓
LT. Ry Fill	0.35	+12°10	33.5.	+7.2		126.0
LT Ely Toe Ry Fill	0.15	0°0 ON 6.0	15'	-0.7		118.0
□ 1+00					H.I=5.3 118.73	

STADIA X-SECTIONS "P" LINE (CONT)

STA	ROD INT.	VERT ∅	COMP. DIST.	DIFF ELEV.	ELEV.	ELEV.	
LT	2.20	-20° 10'	194'	-71.		117.5	
LT W'ly edge of Ry Fill	1.79	-19° 20'	160'	-56.		132.0	
LT. Toe - H:1 Uniform Slope	1.60	-22° 10'	137'	-56.		132.0	
⊡ #33+62 L.T. 06° 02'					5.0=H.I 188.50		
RT Brk	1.33	+18° 30'	120'	+40.		222.0	226.8=Elev {HAND level} 220' RT ℄
RT Uniform slope	1.10	+19° 30'	98'	+34.6		216.6	
LT toe - Flat	2.06	-20° 0'	182'	-66	~~116.0~~	116.0	
LT. W'ly Edge of Ry Fill	1.66	-18° 55'	149'	-51	~~131.0~~	131.0	
LT. Toe - H:1 Uniform Slope	1.48	-21° 50'	127'	-51	~~131.0~~	131.0	
⊡ 4+00					5.2=H.I 182.01		
RT.	1.75	+15° 10'	163'	+49		203.0	
RT "Brook"	1.10	+15° 50'	102'	+28.9		187.9	
LT. E'ly walk - Draper St.	1.94	-16° 25'	178.5'	-52		107.0	
LT. W'ly Edge Ry Fill	1.18	-15° 15'	110'	-29.9		129.0	
LT. toe slope (Uniform)	1.02	-18° 06'	92'	-30.		129.0	
⊡ 3+00					4.9=H.I 159.05		

STA	ROD INT.	VERT. ∅	COMP. DIST.	DIFF Elev.	ELEV. ⊡	ELEV.	
RT Brk - Rim	0.63	+20° 50'	56'	+21.		212.	
LT. Toe - H:11 UNIF. slope	1.82	-17° 30' ON 9.0	166'	-52. + ℄		134.5	
⊡ 7+00					5.2 H.I 190.88		
RT. Flat - Top			194	+1.4 above Rim shot		221.5	(Hand-Level)
RT Flat - Top			154'	+3.0 Above Rim shot		223.0	(Hand-Level)
RT. Rim, or Brow	1.05	+19° 05'	94'	+32.		220.0	
RT Brk	0.64	+20° 15'	57'	+21.		209.0	
LT. Uniform Slope toe H:11	1.92	-17° 50'	174'	-56.		132.0	
⊡ 6+00					5.2=H.I 188.29		
RT Flat Top			170	+6.0 Above Rim-elev.		222	(HAND-Level)
RT Flat Top			100'	+3.0 Above Rim Shot		219	(HAND-Level)
RT. Uniform slope	0.82 Brk - Rim	+22° 50'	70'	+29.0		216.	
LT. toe H:11 Uniform Slope	1.70	-20° 15'	150'	-55.		132.0	
⊡ 5+00					5.2=H.I 186.98		
RT Uniform slope Brk - Rim, tp.	0.97	+19° 45'	86'	+30.8	188.50	219.3	222.0 Elev 186 Rt ℄ {HAND Level}

STADIA X-Sections "P" Line (Cont.)

STA.	Rod INT.	Vert. ∅	Comp. Dist.	Diff. Elev.	Elev. □	Elev.	
Shoulder, Ridge E. of Draw RT	2.88	+10° 50'	278	+53.5		201	
RT Toe-Hill EAST of draw	1.68	+5° 58'	166			164.6	
RT IN Draw	0.86	+7° 25'	84.5	+11.		158.0	
LT FLAT	0.93	0° 0 ON 7.5	93'	-2.5		144.8	
LT	0.56	0° 0 ON 5.8	56'	-0.8		146.5	
8+72 □ Batt. Draw					4.1=5.0 147.32		
Shoulder on Slope EAST of Draw. Draw Lies to SOUTH RT	3.48	+5° 50'	344'	+35.		212.	
RT. BRK	1.54	2° 35' ON 10.0	154'	+6.9 -5.0		179.	163 (HAND Level) / 195 RTE = Batt. Draw
LT toe	1.43	-13° 25'	139'	-32		145.	
LT BRK	0.47	0° 0 ON 12.3	47'	-7.3		169.7	
8+00 □					5.0=H.I 177.05		
RT	0.99	+8° 30' ON 11.0	97'	+14.6 -5.7		199.	197.5 / 150 RTE = BRK (HAND Level) INTO DRAW
LT Even slope. Toe-hill	1.65	-17° 40'	150'	-47.7		142.	
T+54.07 □ 2×2 Pot.					5.3=H.I 189.78		
RT.	0.96 BRK	+19° 40 ON 11.0	85'	+30. -6.0		215.	214.0 / 150 RTE = BRK (HAND Level)
					5.1=H.I 190.88		begin slope EASTward into Draw

STA	Rod. INT.	Vert. ∅	comp. Dist.	Diff Elev.	Elev. □	Elev.	
RT BRK	1.45	+8° 35'	142.	+22.		192	
RT BRK	0.49	+6° 45'	48.4	+5.8		176.	
LT Toe hill	1.42	-10° 04' ON 9.0		-24. -3.6		143.	
LT BRK	0.50	0° 0 ON 18.2	50'	-12.8		157.5	
9+81 Tp. Ridge & Beg. Slope into Draw Ahead					5.4=H.I 170.26		
Shoulder of E. Ridge RT.	2.88	+8° 12' ON 9.0	282	+41 -3.8		204.5	
RT. BRK	0.85	+9° 02'	83.	+13		180.	
LT ON FLAT	1.50	-10° 45	145.	-27.5		140.	
LT Toe	1.18	-12° 24'	113.	-25		142	
LT BRK	0.88	-10° 59'	85.	-16.5		151.	
9+40 □ Shoulder					5.2=H.I 167.34		
RT. toe of Ridge to EAST	1.62	+9° 58 ON 9.0	157.	+27. -3.6		~~179.~~ 176.	
RT. BRK	0.77	+9° 30'	75'	+13		165.0	
LT Toe	1.04	0° 0 ON 14.6	104'	-9.2		143.0	
LT	0.70	0° 0 ON 13.8	70'	-8.4		143.8	
9700 □ Toe Slope					5.4=H.I 152.26		

STADIA X-SECTIONS "P" LINE (Cont.)

STA.		ROD INT.	VERT ∅	COMP. DIST.	DIFF ELEV.	ELEV.	ELEV.	
Bk. Shoulder	RT	0.56	#11°24'	54.	+9.7		188.	
on FLAT At toe cut	LT			118'	-29		143	(hand-Level)
Tp. Rim of Cut to west	LT	1.22	-13°25	116.	-27.		151	
Bk	LT	0.71	-12°05	68'	-14.		164.	
13+00						5.3=H.I 178.20		
Shoulder Ridge to East.	RT	3.11	+6°04	307.5	+32.5		197.9	
North Draw Runn. Ely	RT	1.73	+4°32' ON 11.0	172.	+13.4 -5.8		173.0	
Bk	RT	0.65	+5°09	64.5'	+6.		171.	
toe hill uniform	LT	1.40	-10°	136.	-24		141.	
12+00 Shoulder Ridge						5.2=H.I 165.40		
Shoulder of Ridge to East	RT	3.20	+9°12	312'	+51.		199.	
in Draw At toe slope to East.	RT	1.02	+5°12'	101.	+9.		157.	
Bottom Draw in Line with toe Bk Ahead	LT	1.34	0°0 ON 12.7	1.34'	-7.5		140.8	
11+00 Bott. Draw						5.2=H.I 148.32		
E Ely Head of Draw Running N West	RT			175		170.26	199.	(hand-Level)

STA		ROD INT.	VERT ∅	COMP. DIST.	DIFF ELEV.	ELEV.	ELEV.	
	RT.	3.30	+1° ON 11.0	330'	+5.8 -5.6		187.5	
Bk	RT	1.49	0°0 ON 7.3	149'	-2		185	
Bk	RT	0.45	0°0 ON 1:8	45'	+3.6		191.	
Toe cut on Flat	LT			87			147.3	with Level
Top. Rim of cut	LT	0.81	-15°54'	75'	-21.		166.	
Bk	LT	0.41	0°0 ON 14.5	41'	-9		178.	
15+00 Draw						5.4=H.I 187.30		
Flat	RT			280'	+20		203	(Hand-Level)
	RT.	2.31	+5°31 ON 10.0	229.'	+22 -5		200	
	RT	1.62	+4°35'	161'	+12.		195.	
Shoulder	RT	0.66	+7°49'	65'	+9.		191.	
on Flat, toe cut	LT			102'	-36.		147.	Hand-Level
Tp. Rim along cut to west	LT	1.02	-14°14'	96'	-24.		159	
14+00						5.1=H.I 183.01		
Flat	RT			243'	+25.6		204.	(hand-Level)
	RT.	1.45	+7°23' ON 11.0	142.5	+19.	5.3=H.I 178.20	197.	

STADIA SECTIONS "P" LINE (CONT.)

STA	ROD INT.	VERT. ∅	COMP. DIST.	DIFF ELEV.	ELEV. □	ELEV.	
Toe cut LT at Flat			45'			154.4 on Flat (with Level)	
Top Rim LT of Cut	0.30	0°0 ON 7.8	30'	-2.6		163	
P 17+00					5.2 H.I 165.59		
RT Shoulder Ridge East	4.30	+6°31' ON 10.0	425'	+48.5 -5		203.8	
RT Brk	3.20,	+6°23' ON 10.0	316'	+35 -5		190.	
RT Brk	2.22	+5°15'	220'	+20.		180,	
RT Brk	1.02	+3°46'	102'	+6.6		167.	
LT Toe	0.80	0°0 ON 15.2	80'	-10		150.	
LT Brk	0.62	0°0 ON 8.9	62'	-3.7		156.6	
P 16+46					5.2 H.I 160.35		
RT Toe-Ridge to N.E	3.30	+5° ON 16.0	328	+28 -11		175.	
RT Brk	1.08	+6°40' ON 11.0	107.	+12 -6		164.	
RT Brk	0.70	+9°44' ON 10.0	68'	+11.6 -5		165.	
LT Mouth Draw	0.88	0°0 ON 14.8	88'	-9.8		148.	
LT Brk	0.70	0°0 ON 9.2	70'	-4.2		154.	
15+97 Toe Slope + Beg. Draw.					5.0 H.I 158.49		

STA	ROD INT.	VERT. ∅	COMP DIST.	DIFF ELEV.	ELEV □	ELEV.	
FLAT RT	1.79	+2°44'	179'	+8.5		198.5	
RT Brk	0.82	+3°18'	82'	+1.6		193	
ON FLAT LT			90'			152.2	(with Level)
Toe cut LT			76'			154.5	(with Level)
Rim - Top of Cut LT	0.65	-11°19'	62'	-13		177.	
□ 18+79 Shoulder					5.2 H.I 190.01		
FLAT RT	2.41	+2°10'	241'	+9		201	
FLAT RT	1.01	0°0 ON 2.2	101'	+2.9		195.	
Toe cut LT on FLAT			66'			154.4 on FLAT, (with Level)	
Rim, Top of Cut LT	0.46	0°0 ON 13.2	46'	-8.		186.	
□ 18+16 Brow					5.1 = H.I 192.08		
Shoulder Ridge E'LY RT	2.84	+6°45'	280	+32.6		198	
RT	1.45	+7°22'	143'	+19		184.	
					5.2 H.I 165.59		

STADIA Sections "P" Line (Cont.)

STA	Rod INT.	Vert ∅	Comp Dist.	Diff Elev.	Elev. □	Elev	
RT IN DRAW	1.20	+3°38 ON 17.0	120'	+7.5° -12.		157.4	
Toe Slope RT & Bott. Draw	0.26	0°0 ON 10.5	26'	-5.4		156.5	
Toe — LT — CUT ON FLAT			46			152.5	(with Level)
Rim, LT tp CUT	0.35	0°0 on 1.6	35'	+3.5		165.4	
□ 20+00					5.1 H.I. 161.94		
Toe Slope RT At Bot. Draw Ahead	2.80	-2°47' ON 11.0	279'	-13.50 -6.		166.4	
LT □ 19+01.30	(Shot AT 90° to Forward TANG.)						
FLAT RT	2.10	+3°32'	209'	+12.9		199.	
FLAT RT	1.02	+3°24'	102'	+6.		192	
ON FLAT LT			83			152.5	(" ")
Toe CUT LT			78			155	(with Level)
Rim LT tp CUT	0.71	0°0 on 17.0	71'	-12		174.	
L. LT. □ 19+01.30					5.1 H.I. 185.92		

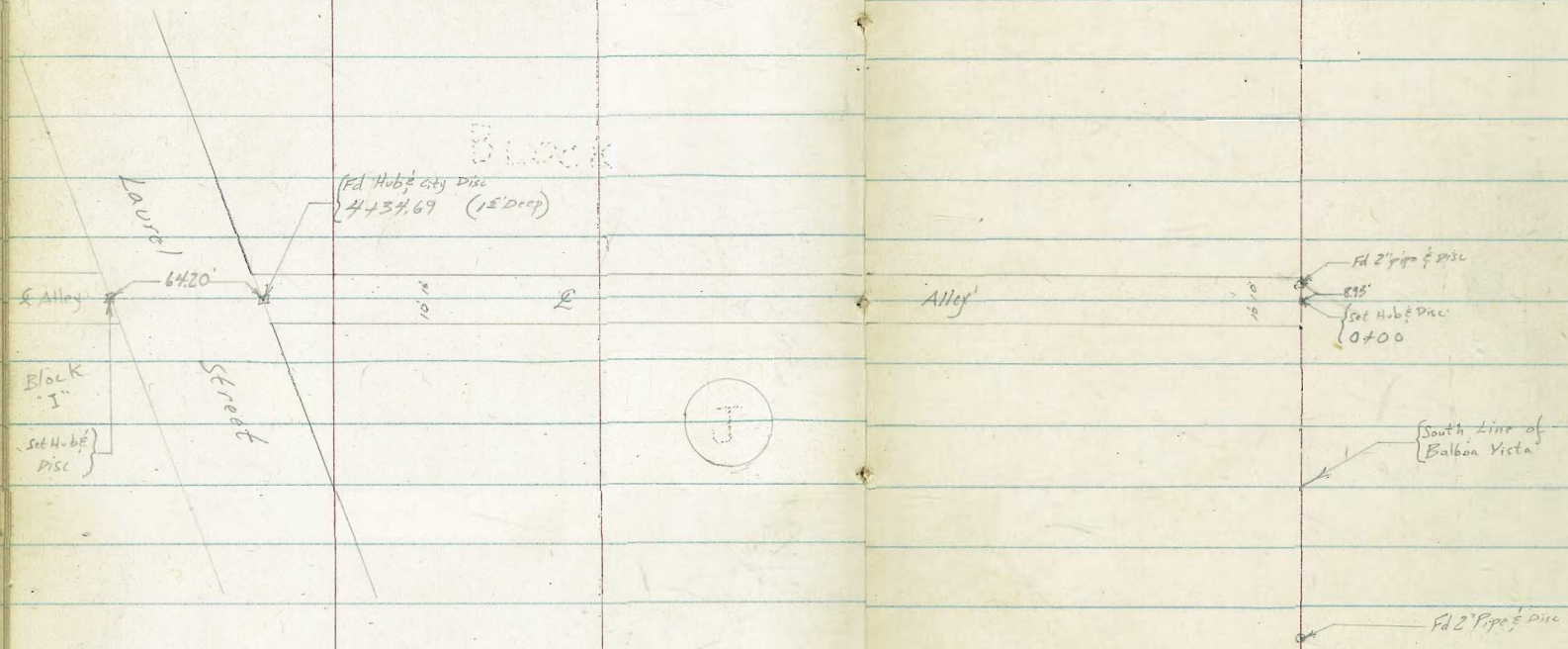
STA.	Rod INT.	Vert ∅	Comp Dist.	Diff Elev.	Elev. □	Elev.	
Top Bank. RT N'Ely	1.26	+8°33'	123'	+18.4		172.9	
IN DRAW RT AT Toe N'Ely Bank	0.78	+3°	78'	+4.10		155.1	
FLAT LT ON Cold-Lay	0.41	0°0 ON 2.5	41'	+1.8		152.8	
Approx S.L. WESTBOURNE 21+16 ± (AT 90° BK TANG.)					4.3 = H.I. 151.02		
Toe N'Ely RT Bank	1.05	+2°53 ON 7.0	105'	+5 -1.7		157.8	
LT ON Cold-LAY FAT	0.54	0°0 ON 7.2	54'	-1.9		152.6	
LT. Mouth Draw	0.20	0°0 ON 5.5	20'	-.2		154.2	
□ 20+40 Toe Slope & Bott. Draw					5.3 = H.I. 154.47		

Roberts
Cota
Moore
Moralez
Aug. 19, 1953
W.O. #31973

X-Section Alley Block "J", Balboa Vista

So. line of Balboa Vista to Laurel

see FB 2165 pg 1



Contd From Page 43

Lt | ℄ | Rt

		282.3	276.8	281.8	277.0	279.6	282.7	282.6	282.5	284.8	287.2	286.5	280.9
	9.8' Lt. Begin of Conc. Block wall	5.3	10.8	5.8	8.6	8.0	4.9	5.0	5.1	2.8	0.4	+1.1	+6.7
0+50	10.2' Lt. End of conc. Block Wall	9½ Top	9½ Foot	10 Top	10 Foot	10 GRD	4		8	10	14	26	33
0+49	8.1' Rt to center P. Pole #5845554												
0+25	9.0' Rt. to deadman												
		280.0	281.9	285.6	285.5	285.6	287.2	286.9	284.1	279.2			
0+10		7.6	5.7	2.0	2.1	2.0	+0.4	+0.7	+3.5	+8.4			
		12	10	5		6	8	10	23	34			
						279.9	279.2	282.2					
0+01	12.9' Lt begin conc. Block Wall (No steel Not Rebt.)					7.7	8.4	5.4					
						12.9 GRD	12.9 Foot	12.9 Top					
		280.2	280.1	284.6	285.7	285.3	284.88	285.7	287.1	286.8	284.1		
0+00	South Line of Balboa Vista	7.4	7.5	3.0	1.9	2.1	2.69	1.9	0.5	+1.1	+3.5		
		29	13	10	8	on Ground	on Hub	3	5	10	19		

287.57 ⊼

T.P.	6.99	287.57 ⊼	0.60	280.58	
T.P.	11.02	281.18	5.65	270.16	on Hub 44 ^ 3469.
T.P.	4.73	275.81	8.56	271.08	
BM	1.75	279.64		277.89	SEBP in Paving. 54th E

Blackton Drive
(Biloxi Street Now!)

Cont'd From Page 44

					Lt			℄			Rt
T.P.	1.51	277.62 ⊼	11.4	276.11							
2+01	10' Lt Begin conc block Wall				274.9 7.7 10' Top	274.5 13.1 10' Foot	275.7 11.9 10' GRD				
2+00						274.2 13.4 30	275.6 12.0 10	276.0 11.6	276.5 11.1 10	280.2 7.4 16	283.6 4.0 28
1+50					273.5 14.1 30	275.0 12.6 10	276.2 11.4 3	276.4 11.2	276.8 10.8 8	278.7 8.9 10	280.3 7.3 12	286.0 1.6 29
1+49	10' Rt to center T. Pole			#~~58~~4556 H							
1+01	9' Lt East End E & W conc Block Wall				281.8 5.8 9' Top	275.6 12.0 9' Foot	277.4 10.2 9' GRD				
1+00						276.4 11.2 30	277.8 9.8 10	278.6 9.0	278.6 9.0 7	280.8 6.7 10	285.3 2.3 17	285.6 +2.0 33
0+88	9' Lt End conc Block Wall				282.1 5.5 9' Top	276.8 10.8 9' Foot	278.6 9.0 9' GRD				
		287.57 ⊼						287.57 ⊼			

		Lt	℄	Rt
4+00		269.8 / 7.8 / 20	270.1 / 7.5 / 10	270.2 / 7.4
		270.6 / 7.0 / 10	272.4 / 5.2 / 12	275.3 / 2.3 / 22
3+50		269.6 / 8.0 / 30	270.1 / 6.9 / 10	271.1 / 6.5
		271.2 / 6.4 / 10	273.8 / 3.8 / 13	277.1 / 0.5 / 25
3+02	10± Rt to center T. Pole # 48#557H			
3+00		272.2 / 5.4 / 30	272.7 / 4.9 / 10	273.2 / 4.4
		273.3 / 4.3 / 10	275.5 / 1.7 / 15	276.0 / +1.6 / 26
2+51	10' Lt End Conc block wall	275.6 / +2.0 / 10' Top	274.3 / 3.3 / 10' Foot	275.3 / 2.3 / 10' GRD
2+50		275.3 / 2.3 / 10	275.4 / 2.2	275.7 / 1.9 / 10
		276.6 / +1.0 / 16	274.6 / +3.6 / 26	
2+33	10.6' Lt center 10.5' gate in wall	275.11 / 2.51 / 23.6 Garage Floor	275.41 / 2.21 / 18.6 Conc	

277.62 ↑

277.62 ↑

Cont'd From Page 46

℄ Laurel Street

South Line plus sixteen feet

South Line plus nine feet

4+34.69 South Line of Laurel

Sections taken Parallel to Laurel

277.62 ⊼

Reduced
R. E. Boyd
28 Aug 53

271.4		272.7		274.8		
6.2		4.9		2.8		
47				50		
271.7		272.9		274.8		
5.9		4.7		2.8		
42				50		
270.3		271.9	271.9	273.6	275.4	
7.3		5.7	5.7	4.0	2.2	
40			13	21	50	
270.0	271.0	271.5	270.16	272.3	274.0	275.6
7.6	6.6	6.1	7.46	5.3	3.6	2.0
37	10 7	on GRP	on Hub	10 7	19	50

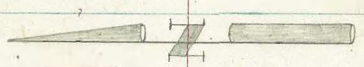
277.62 ⊼

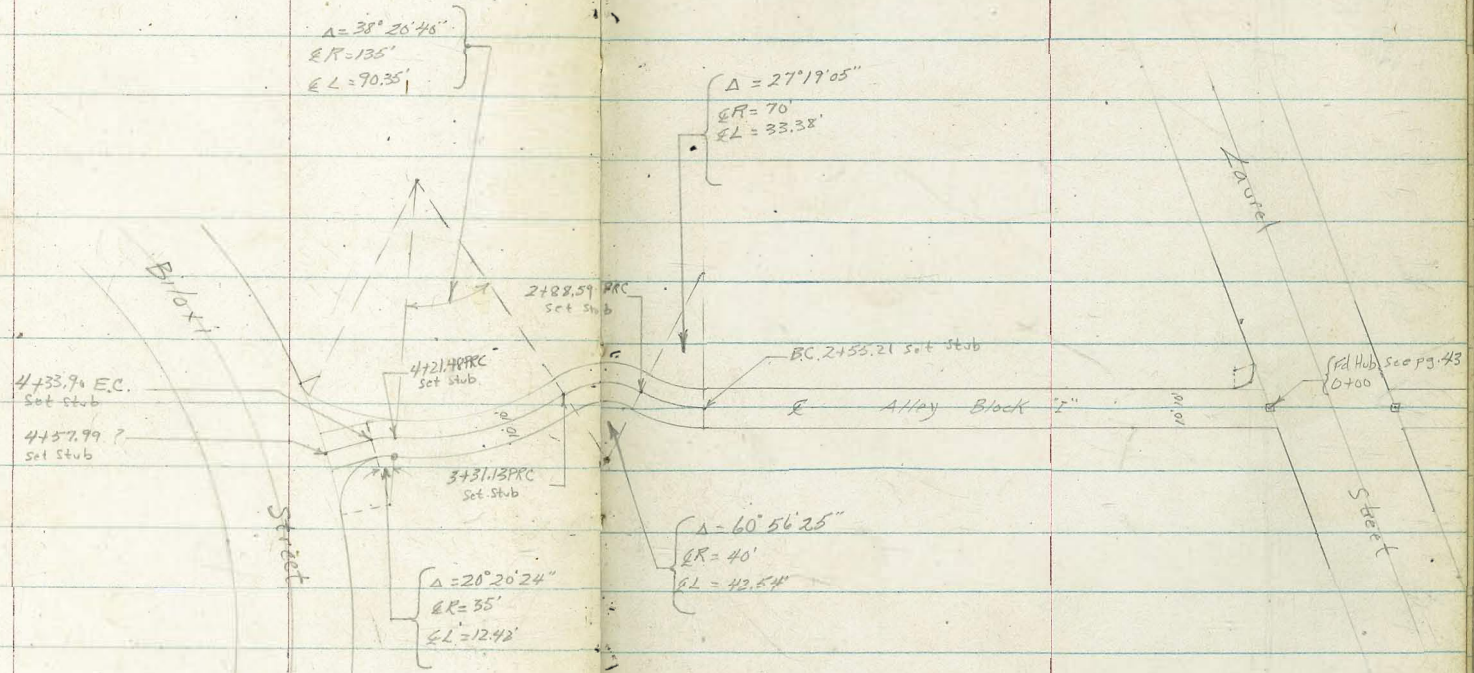
Roberts
Cota
Moore
Morales
8-19-53
W.O. #31973

X-Section Alley Block I, Balboa Vista

Laurel to Biloxi

See F.B. 2142 pg 28





Cont'd from Page 48

0+63	10' Lt begin conc. block wall			
T.P.	12.00	291.73 ℄	0.18	279.73
0+50	Property owner on Lt. Intends to build Garage			
0+35	9' Rt to center T. Pole #584559H			
0+34	10' Lt End picket fence			
0+00	10± Left on St. Line begin Picket fence North Line Laurel Street			
	North Line Laurel minus seventeen feet.			
	North Line Laurel minus twenty-five feet.			
TBM	9.75	279.91 ℄	270.16.00 Hub See	page 44

Sections taken parallel to Laurel Street

Lt ℄ Rt

285.3 280.7 280.1
6.4 11.2 11.6
10± 10± 10±
Top Foot GRD
& stake at ℄

291.73 ℄

279.8 279.8 278.8 278.3 278.3 278.2 277.3 278.0 279.0 278.8
0.1 0.1 1.1 1.6 1.6 1.7 2.6 1.9 1.9 1.1
20 14 10 8 5 7 8 10 20

272.6 274.0 273.3 273.2 273.3 272.6 273.7 273.7 276.8
7.3 5.9 6.6 6.7 6.6 7.3 6.3 6.3 3.1
50 10± 10 5 8 10 10± 50

270.1 271.7 274.0
9.8 8.2 5.9
50 50

270.9 272.6 274.9
9.0 7.3 50
50 50

279.91 ℄

Cont'd From Page 49

		Lt			℄			Rt	
1+84.5	9.2' Rt to center T. Pole ≠ 584560H								
1+75		288.5	288.5	288.7	288.6	288.1	289.2	289.2	289.3
		3.2	3.2	3.0	3.1	3.6	2.5	2.5	2.6
		20	10		4	6	7	10	20
1+50		288.0	287.2	286.7	286.6	286.6	286.0	286.7	286.9	287.6
		3.7	4.5	5.0	5.1	5.1	5.7	5.0	4.8	4.1
		20	10	9		4	6	8	10	20
1+36		287.7	287.9	285.5	285.4	285.4	284.7	285.4	285.7	286.5
		4.0	3.8	6.2	6.3	6.3	7.0	6.3	6.0	5.2
		20	14	10		4	6	8	10	20
1+35		284.1	284.3	285.3	285.3	285.3	284.6	285.3	285.6	286.4
		7.6	7.4	6.4	6.4	6.4	7.1	6.4	6.1	5.3
		20	12	10		4	6	8	10	20
1+00	[Back yards on Left are pretty well terraced]	283.8	283.8	282.5	282.5	282.3	281.6	282.6	282.8	283.2
		7.9	7.9	9.2	9.2	9.4	10.1	9.3	8.9	8.5
		20	10	9		5	7	8	10	20
0+84.5	10' Lt End conc. block wall	285.4	280.4	280.7						
		6.3	11.3	11.0						
		10' Top	10' Foot	10' GRD						

291.73 ⊼ 291.73 ⊼

Cont'd From Page 50

					Lt				℄				Rt
2+71.90 Midpoint					288.3	288.7	290.3	290.9	290.8	291.0	290.3	291.1	291.5
					5.3	4.9	3.3	2.7	2.8	2.6	3.3	2.5	2.1
					25	12	10	8		7	10	11	20
2+55.21 B.C.					289.6	289.2	290.9	290.8	290.8	290.3	291.0	291.1	
					4.0	4.4	2.7	2.8	2.8	3.3	2.6	2.5	
					25	10	8		7	9	10	20	
2+36					289.0	289.5	290.9	290.8	290.7	289.9	291.0	291.0	291.0
					4.6	4.1	2.7	2.8	2.9	3.7	2.6	2.6	2.6
					20	12	10		5	7	8	10	20
2+35	10° Lt End conc. blockwall				292.1	290.4	290.6						
					+0.4	3.2	3.0						
					10	10	10°						
					Top	Foot	GRD						
T.P.	2.63	293.60 ⊼	0.76	290.97									
									293.60				
2+00					290.9	290.1	290.1	290.0	289.4	290.2	290.2	290.0	
					Also level of yard → 0.8	1.6	1.6	1.7	2.3	1.5	1.5	1.7	
					10	9.5		4	6	8	10	20	
					Top Footing								
1+85	9.6' Lt begin conc. block wall				294.9	289.8	289.3						
					+3.2	1.9	2.4						
					9.6	9.6	9.6						
					Top	Foot	GRD						
		291.73 ⊼							291.73 ⊼				

Lt ℄ Rt

3+85 $28^{\pm}$ Rt to center T. Pole # 5845614

3+76.30 Mid point $8^{\pm}$ Lt to fence

286.6	287.1	286.8	286.5	286.8	286.5	286.2	287.3	288.8	290.0
7.0	6.5	6.8	7.1	6.8	7.1	7.4	6.3	4.8	3.6
20	10	8		9	10	11	12	17	25

3+45 ± $10^{\pm}$ Lt begin, board fence ~~built on Straight Line~~

$10^{\pm}$ Lt End conc. block wall

295.9	289.6	289.0	288.9	288.9	288.6	289.0	290.0	290.4
+2.3	5.0	4.6	4.7	4.7	5.3	4.6	3.6	3.2
$10^{\pm}$	$10^{\pm}$	10		6	8	10	14	20
Top	Foot	GRD						

3+31.13 P.R.C.

295.8	289.3	289.8	289.7	289.7	289.3	290.5	291.0
+2.2	4.3	3.8	3.9	3.9	4.3	3.1	2.6
10	10	10		6	8	10	20
Top	Foot	GRD					

3+09.86 Mid point ~ $10^{\pm}$ Lt begin conc. block wall.

295.8	290.3	290.6	290.7	290.9	290.1	291.1	291.1	291.6
+2.2	3.3	3.0	2.9	2.7	3.5	2.5	2.5	2.0
$10^{\pm}$	$10^{\pm}$	10		4	7	8	10	20
Top	Foot							

2+88.59 P.R.C. $10^{\pm}$ Lt. to fence

291.6	290.8	290.9	291.0	289.9	291.1	291.5		
yard Level → 2.0	2.8	2.9	2.6	3.7	2.5	2.1		
11	10		6	8	10	20		

2+82 $10^{\pm}$ Lt begin board fence

293.60 ℄

293.60 ℄

Cont'd From Page 52

Lt. ℄ Rt.

Reduced 25 Aug 53 [illegible]

check			6.44	277.89 = 277.89	See page 44
T.P.	3.56	284.33	12.83	280.77	

℄ Biloxi Street

South Line of Biloxi plus six feet

4+57.99? South Line of Biloxi Street

Sections taken Parallel to Biloxi

279.8		280.8		282.4				
13.8		12.8		11.2				
50				50				
279.8		281.3		282.5				
13.8		12.3		11.1				
50				50				
281.2	280.5	281.2	281.5	281.6	281.7	285.0	286.4	
12.4	13.1	12.4	12.1	12.0	11.9	8.6	7.2	
50	30	10		10	18	27	50	
283.4	283.6	282.4	282.5	282.6	282.3	283.6	285.9	287.0
10.2	10.0	11.2	11.1	11.0	11.3	10.0	7.7	6.6
25	14	10		7	9	10	16	25
284.1	284.6	283.3	283.3	283.3	282.9	283.9	286.4	287.2
9.5	9.0	10.3	10.3	10.3	10.7	9.7	7.2	6.4
20	10	8		7	9	10	17	25

4+33.90 E.C.

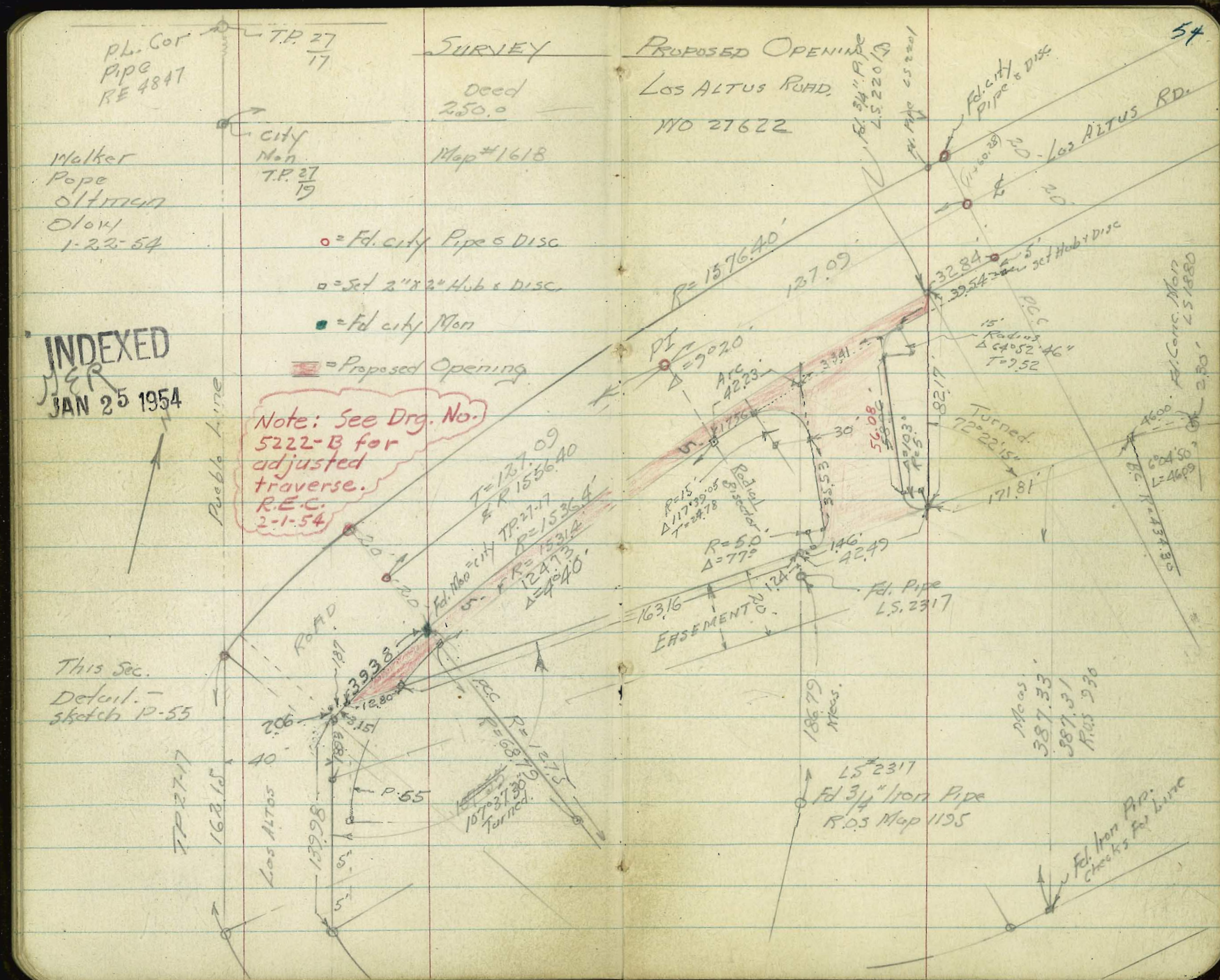
4+21.48 P.R.C.

3+93.5 9.5' Lt End board fence

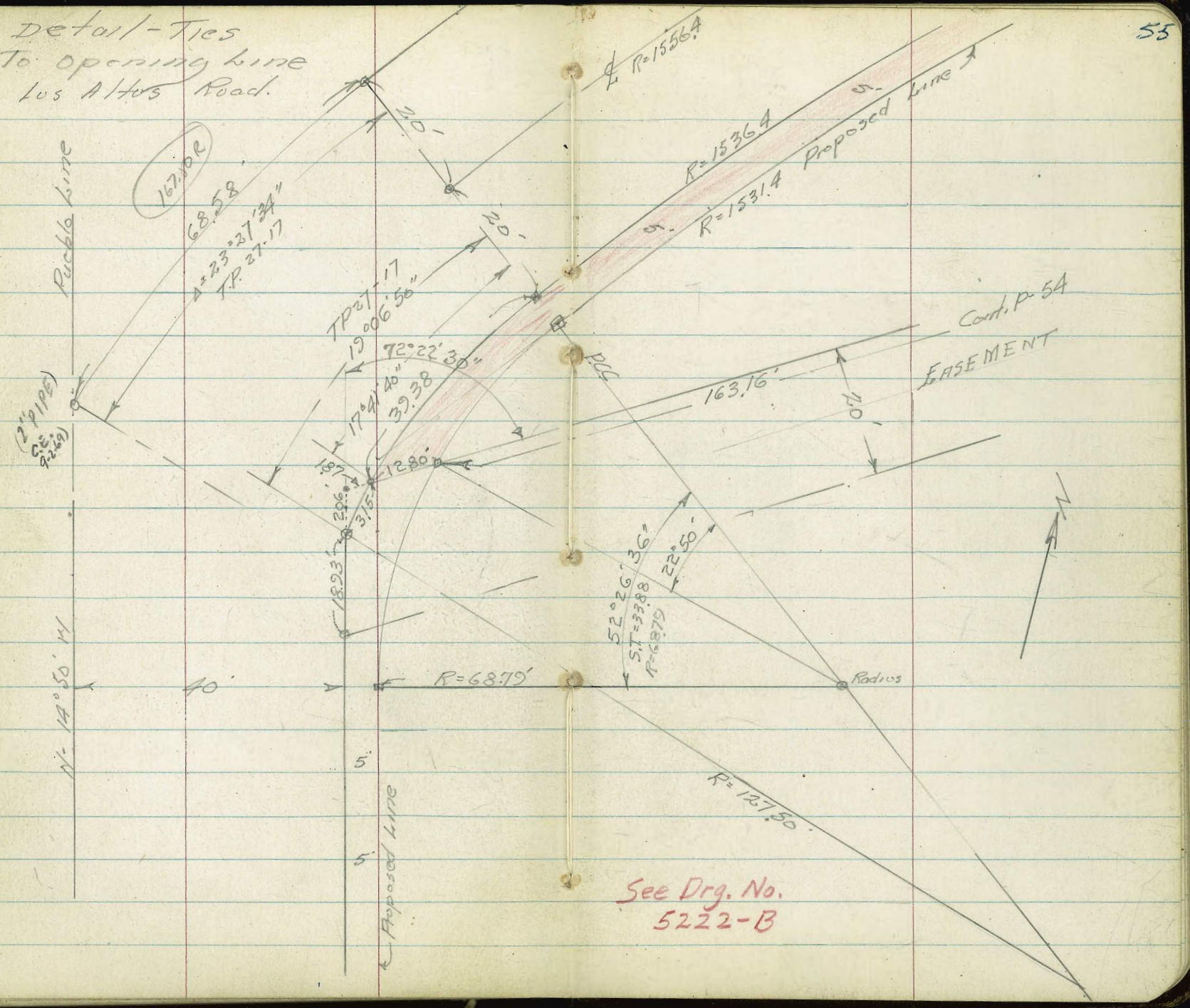
293.60 ⊼

293.60 ⊼

INDEXED
MER
AUG 21 1953


54
SURVEY
PROPOSED OPENING
LOS ALTUS ROAD
WO 27622
Deed 250.0
Map #1618
P.L. Cor Pipe RE 4847
T.P. 27/17
City Mon T.P. 27/19
Walker Pope Oltman Olow 1-22-54
o = Fd. city Pipe & Disc
□ = Set 2"x2" Hub & Disc.
■ = Fd city Mon
= Proposed Opening
Note: See Drg. No. 5222-B for adjusted traverse. R.E.C. 2-1-54
INDEXED
JAN 25 1954
Pueblo Line
Los Altus Rd.
Fd. city Pipe & Disc
Fd. 3/4" Pipe L.S. 2201
Fd. Pipe L.S. 2201
Set Hub & Disc
R=1576.40'
127.09
PI
Δ=9°20'
Arc 42.23
Radius Δ 64°52'46" T=9.52
Turned 72°22'15"
Fd. Conc. Mon L.S. 1880
B.C. R=434.30
6°04'50" L=46.09
Radial Bisector
R=5.0 Δ=77°
Fd. Pipe L.S. 2317
EASEMENT
Fd. Mon=city T.P. 27-17
R=1536.4'
R=1531.4
R=1247.3
Δ=4°40'
T=127.09 & R 1556.40
This Sec. Detail - sketch P-55
Road
P-55
Los Altos
T.P. 27-17
162.15
139.98
107°37'30" Turned
186.79 Meas.
Meas 387.33 387.31 R.O.S. 930
L.S. 2317
Fd 3/4" Iron Pipe R.O.S. Map 1195
Fd. Iron Pip. Checks Fd. Line

Detail - Ties
To opening line
Los Altos Road.



See Drg. No.
5222-B

3-9-54

Stamper
Hoffman
Nordahl
Sherry

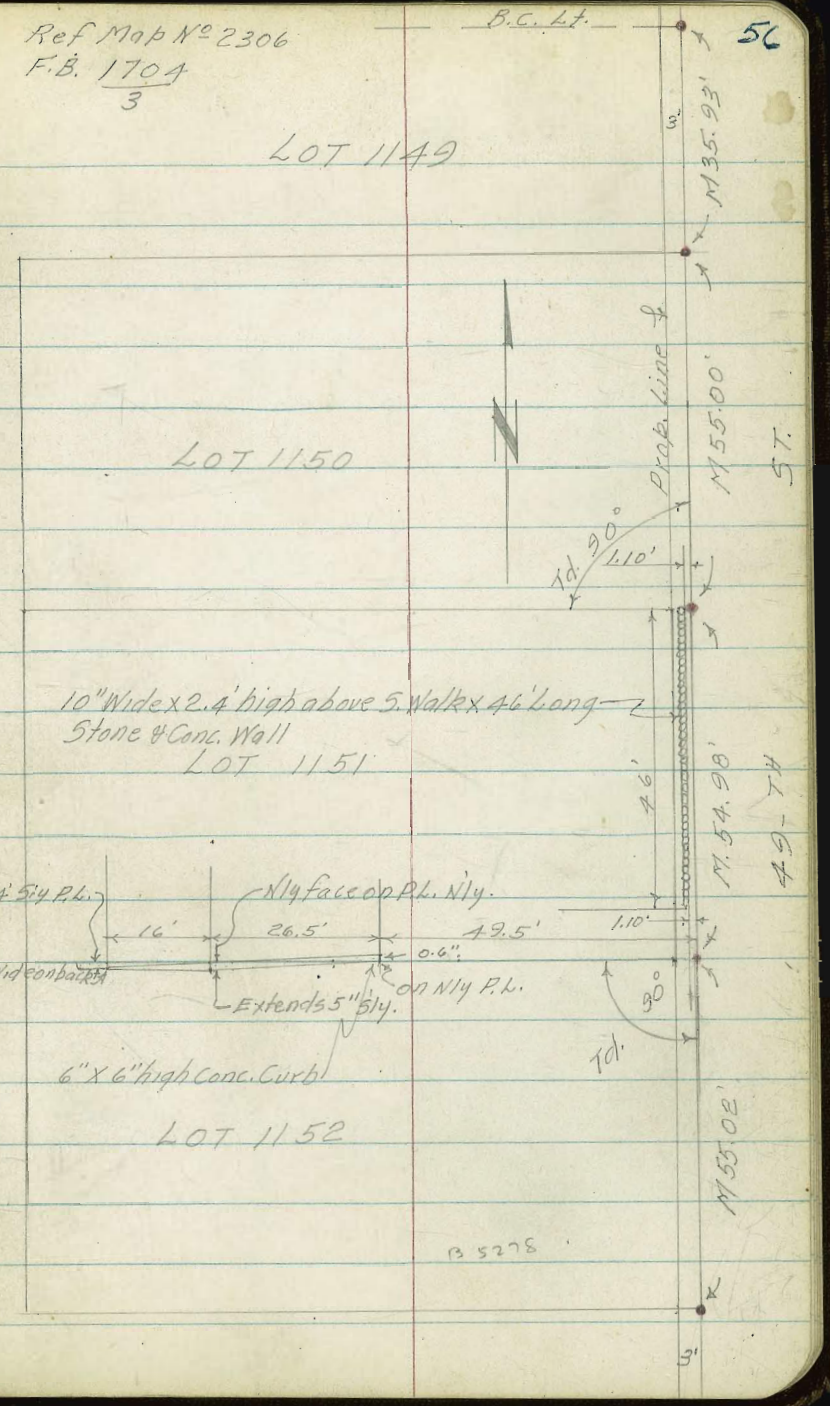
Ref Map No 2306
F.B. 1704/3

ENCROACHMENT CHECK LOT No 1151 OF
TALMADGE PARK ESTATES No 2 W.O. 20006

LEGEND

● = Lead & Tacks 3' offset @ 90° to P.L.
Found Set in Sidewalk

INDEXED
MAR 0 1 1954
INDEXED
MAR 10 1954



D. Smith
J. Rorer
R. Taylor
B. Fish

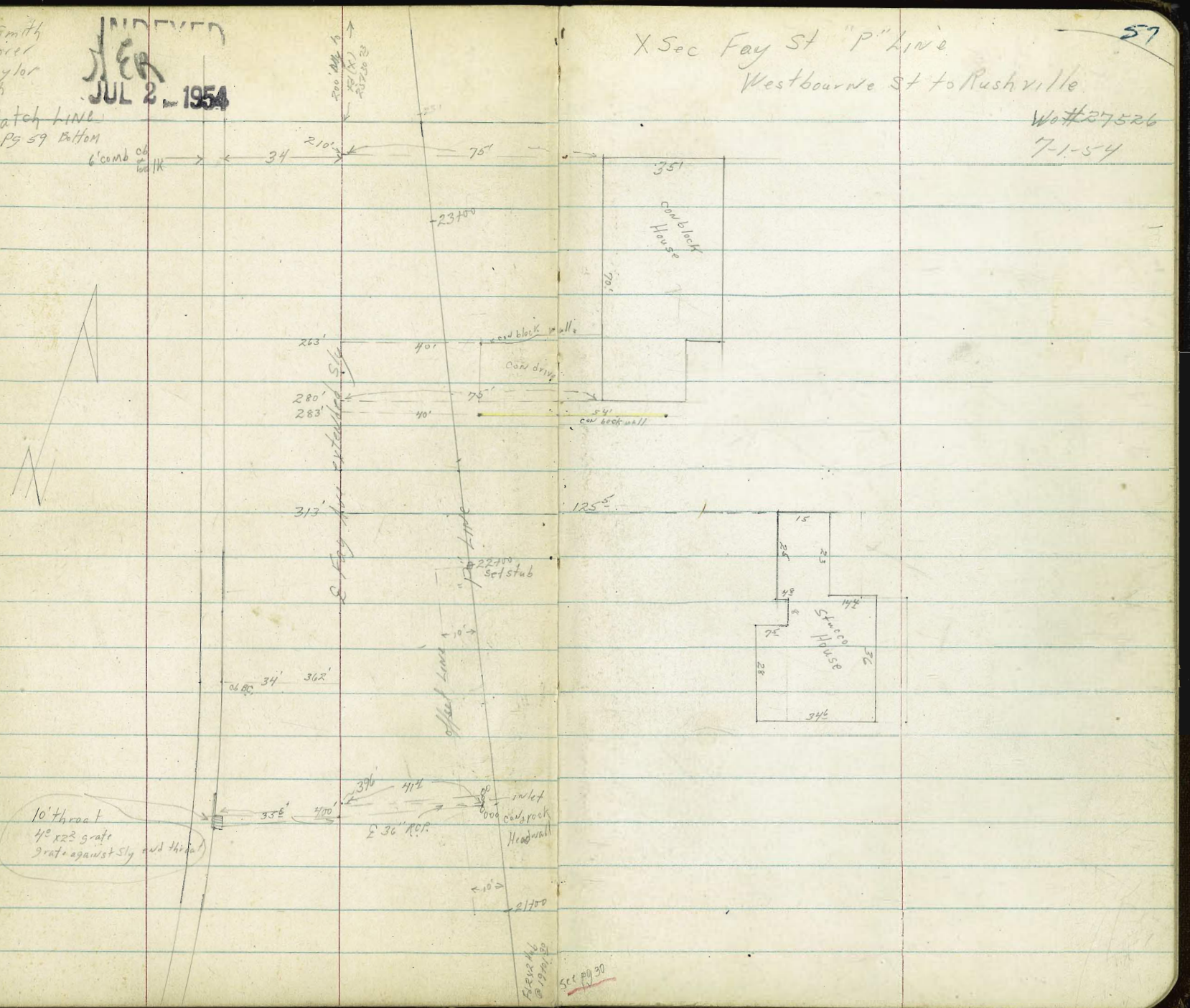
INDEXED
JUL 2 1954

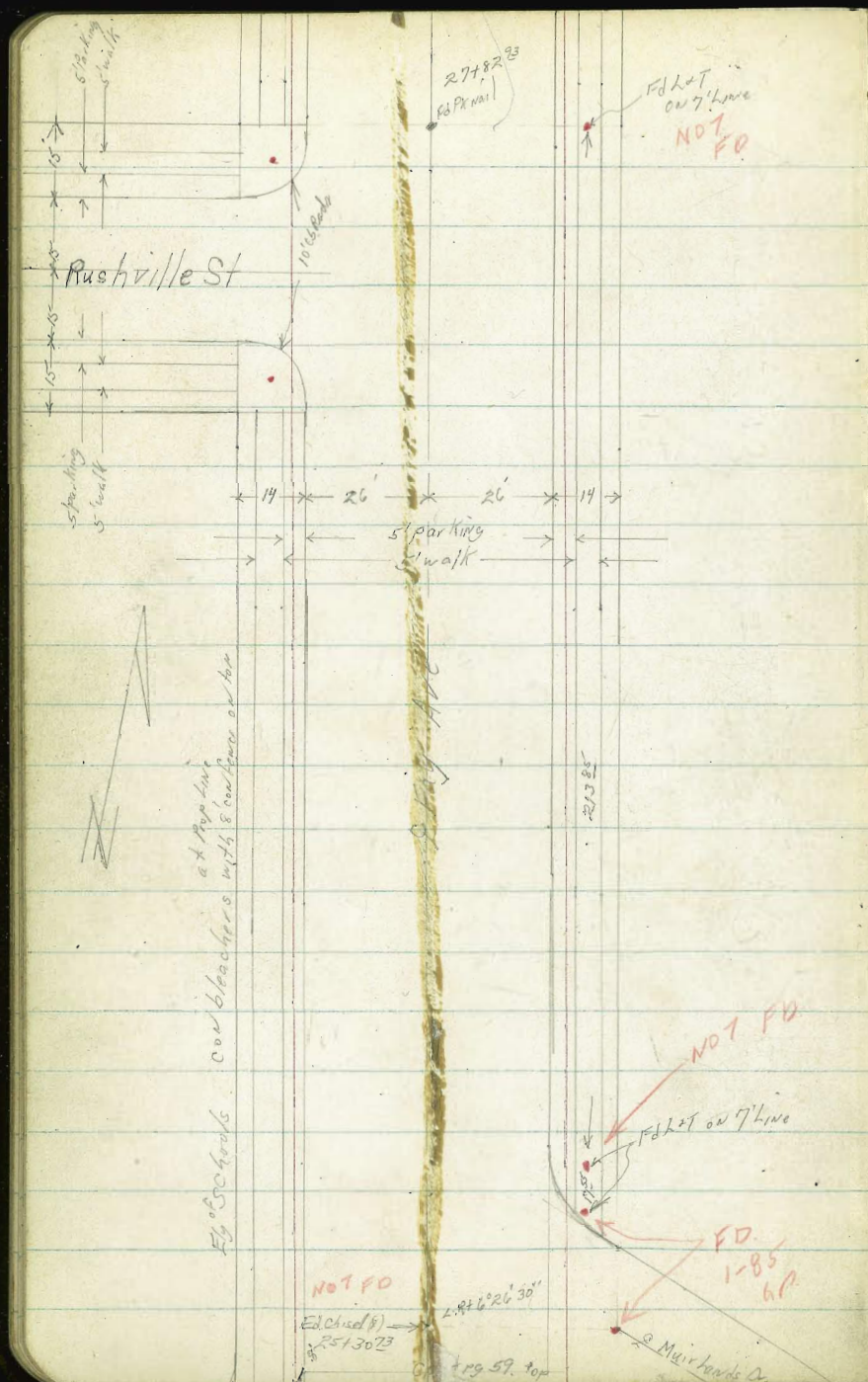
57

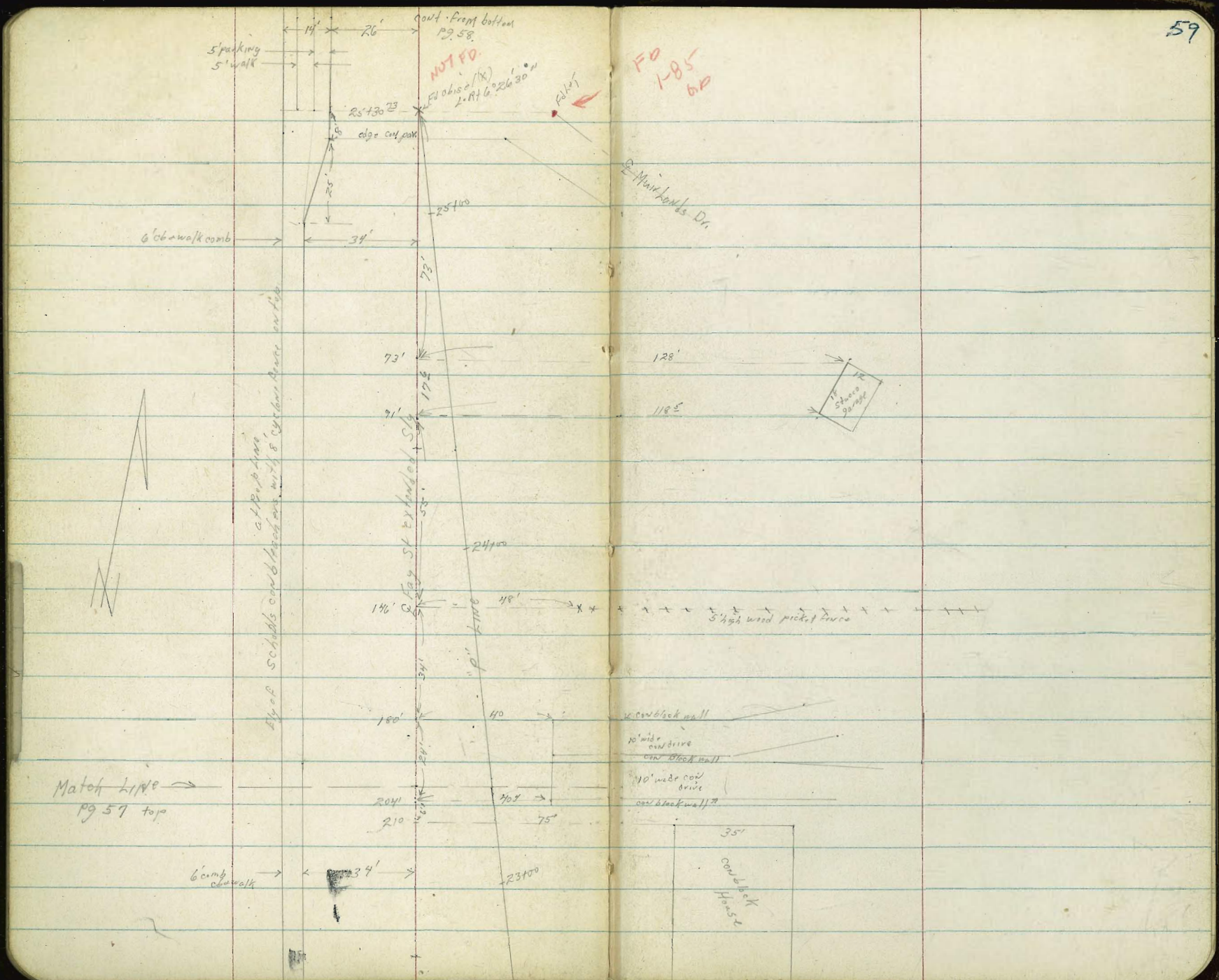
X Sec Fay St "P" Line
Westbourne St to Rushville

Wo #27526
7-1-54

Match LINE
Pg 59 Bottom




5' parking
5' walk
15
Rushville St
10' cb Radii
27+82.93
Fd Pk nail
Fd L+T on 7' Line
NOT FD
14
26'
26'
14
5' parking
5' walk
Elg of Schools con bleachers at Prop Line with 8' contour on top
NOT FD
Fd L+T on 7' Line
FD 1-85 GP
NOT FD
Ed. Chisel (8)
25+30.73
L.Rt 6°26'30"
Muirlands Dr


cont. from bottom pg. 58.
14'
26'
5' parking
5' walk
NOT FD.
FD 1-85 GP
Fd obisel (X) L.Rt 6°26'30"
Fd Lt
25+30.73
edge con. pav.
25'
℄ Muir Lands Dr.
25+00
6' cb & walk comb
34'
73'
128'
91'
118.5
17.6
Stucco garage
12
18
at Prop Line
Ely of Schools con bleachers with 8' cyclone fence on top
℄ Fay St extended Sly
55'
24+00
146'
48'
5' high wood picket fence
"P" Line
34'
180'
40
con block wall
10' wide con drive
con block wall
10' wide con drive
con block wall
Match Line
pg 57 top
204'
40.4
210
75'
35'
con block House
6' comb cb & walk
34'
23+00

"X" Sec "P" Line
Sta - 21+00 through 22+82.93

Lt = Wly "P" Line Rt = Ely

TP2 11.65 ⊼ 164.81 5.02 153.16

22+50

152.86 152.3 153.0 153.1 152.8 153.1 153.9 157.55 160.36 165.6
5.32 5.9 5.2 5.1 5.4 5.1 4.30 0.63 +2.18 +7.4
68 68 50 35 15 89 25 47 100
cb gut begin con. drive garage floor

18.6 Rt ℄ 18" Eucalapetus tree
22+45 3.0 Lt ℄ 8" tel Pole 519054H

22+43 7.7 Rt end 2.5 picket fence & planting

22+00

152.83 152.4 153.0 153.1 152.7 153.0 153.8 156.7 158.5 162.6 165.1
5.35 5.8 5.2 5.1 5.5 5.2 4.4 1.5 +0.3 +4.4 +6.9
71 71 53 38 18 20 40 50 68 85
cb gut

152.73 152.1 152.5 153.0 152.8 153.5 154.6 155.9 157.5 159.7 160.7
5.45 6.1 5.7 5.2 5.4 4.7 3.6 2.3 0.7 +1.5 +2.5
77 77 68 50 25 20 35 50 70 82
cb gut

21+60 39.6 Lt ℄ 14" P Pole # 7002

21+49 13.7 Lt ℄ 14" P Pole # JP 7001

21+48 8.7 Rt ℄ 8" tree

21+47 4.6 Lt Begin 2.5 Picket Fence & planting

21+46 { 5.7 Rt ℄ 12" P Pole # JP 910
4.0 Lt ℄ deadman

21+32 { 80.0 Lt cb inlet 10' throat with a 4x2.3 gate @ Sly end.
3.4 Lt inlet 36" RCP

152.6 144.7 147.63 152.65 151.67 152.6 153.1 152.9 152.3 152.66 147.39 148.0 149.9 151.1 153.2 154.2 160.0
5.6 13.5 10.53 5.53 6.51 5.6 5.1 5.3 5.9 5.52 10.79 10.2 8.3 7.1 5.0 4.0 +1.8
90 80 80 80 80 71 50 30 18 3.4 3.4 15 30 50 75 100
1e 36" pipe 1e box bottom 12" opening in base to pipe cb grate top headwall 1e 36" RCP

21+00

152.4 152.47 152.3 152.7 153.0 152.9 152.7 154.1 152.1 152.8 154.3 161.3
5.8 5.71 5.9 5.5 5.3 5.3 5.5 4.1 6.1 5.4 3.9 +3.1
100 88 88 66 50 34 25 25 50 75 100
cb gut

TP1 5.35 ⊼ 158.18 5.98 152.83

Bench Book (149.29) L & Nail SW Return cb Rushville & Fay -pg 36-

BM 9.80 158.81 149.01

⊼ 158.18

Lt = Wly "P" Line Rt = Ely

25+30.73 L. Rt 6° 26' 30" taken @ 90° to tangent ahead

152.94	152.8	152.45	153.16	153.27	153.32	153.3	153.93	155.3	168.21	
11.87	12.01	12.36	11.65	11.54	11.49	11.50	10.88	9.51	+3.4	
40	26 cb	26 gut	13		13	26	40	66	95	

25+22° ℄ crosses edge Sly con par Fay St

25+00

153.7	152.9	153.2	153.5	153.4	154.3	155.4	157.0	159.7
11.10	11.9	11.6	11.3	11.4	10.5	9.4	7.8	5.10
37 cb	37 gut	15		18	35	50	75	100

24+60 4° Lt ℄ 16" P Pole # 7088

24+50

153.45	152.9	153.3	153.5	153.7	154.8	153.9	160.5	161.2	162.2	163.4
11.36	11.9	11.5	11.3	11.1	10.0	10.9	4.3	3.6	2.6	1.0
43 cb	43 gut	20		15	23	27	42	50	70	100

24+00

153.37	152.7	157.1	153.5	153.6	153.6	154.1	160.1	162.4	165.3	169.3
11.44	12.1	7.7	11.3	11.2	11.2	10.2	4.7	2.4	+0.5	+4.5
49 cb	49 gut	30	15		13	25	35	50	75	100

23+82 12.5 Rt ℄ 8" tel Pole # 519053 H

23+50

153.27	152.7	153.3	153.5	153.3	154.1	158.9	161.4	164.8	166.8
11.54	12.1	11.5	11.3	11.5	10.7	5.9	3.4	0.0	+2.0
55 cb	55 gut	30	15		15	28	50	80	100

23+12 22° Lt ℄ 12" P Pole # 7042

23+00

153.08	152.6	155.1	153.2	153.1	153.3	154.0	159.8	161.3	161.6	163.0	164.8	166.0
11.73	12.2	11.7	11.6	11.7	11.5	10.8	5.0	3.5	3.2	1.8	0.0	+1.2
60 cb	60 gut	45	30	15		16	28	42	70	72	85	100

π 164.81

BM start. pg 60			9.42	149.03 ✓ +0.02
27+82.93				
27+40				
27+00				
26+84	40° Rt E double garage con floor			
26+50				
TP3	6.80	158.45	13.16	151.65
26+00				
25+50				

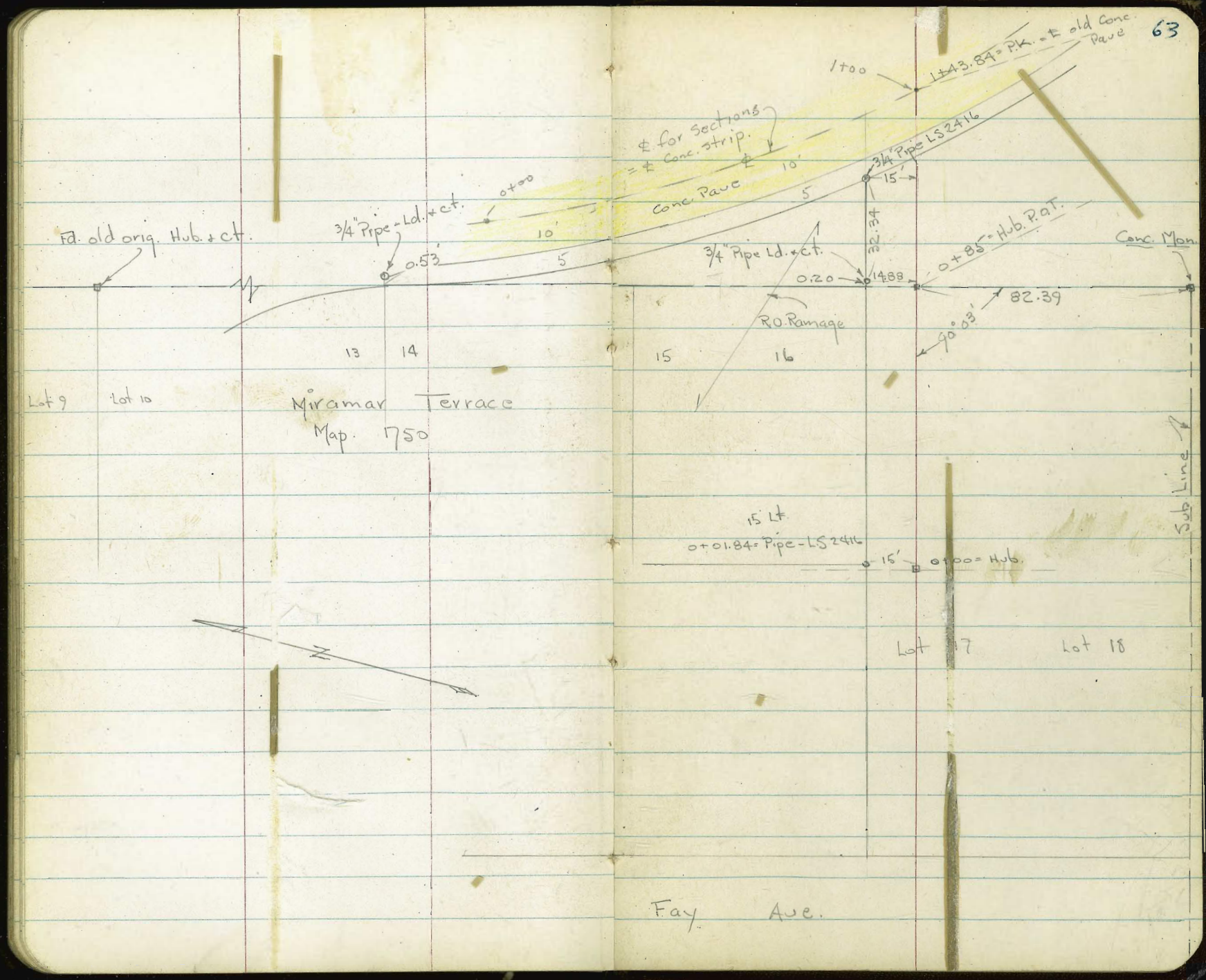
Lt = Wly "P" Rt = Ely

148.29	148.02	147.62	148.45	148.69	148.63	148.6	149.12	149.18	150.5	159.7	
10.16	10.43	10.83	10.00	9.76	9.82	9.85	9.33	9.27	8.0	+1.2	
40	26 cb	26 gut	13		13	26 gut	26 cb	36 wlk	40	53	
148.65	148.37	148.96	149.27	149.20	149.13	149.67	149.75	151.45	162.1		
9.80	10.08	9.49	9.18	9.25	9.32	8.78	8.70	7.0	+3.6		
40	26	13		13	26 gut	26 cb	36 wlk	40	50		
149.8	149.53	149.10	149.85	150.05	150.03	149.93	150.47	150.56	153.15	163.25	
8.7	8.92	9.35	8.60	8.40	8.42	8.52	7.98	7.89	5.3	+4.8	
40	26 cb	26 gut	13		13	26 gut	26 cb	36 wlk	40	50	
150.92	151.28	151.57	161.57								
7.53	7.17	6.88	+3.12								
36 wlk	37	40 floor	roof 40								
150.63	150.48	150.10	150.82	151.11	151.00	150.91	151.46	151.65	154.05	166.55	
7.82	7.97	8.35	7.62	7.34	7.45	7.54	6.99	6.80	4.4	+8.6	
40	26 cb	26 gut	13		13	26 gut	26 cb	36 wlk	40	50	

π 158.45

151.6	151.54	151.12	152.09	152.21	152.09	151.99	152.55	152.71	153.51	163.2	
13.20	13.27	13.69	12.72	12.60	12.72	12.82	12.26	12.10	11.3	1.6	
40	26 cb	26 gut	13		13	26 gut	26 cb	36 wlk	40	50	
152.69	152.53	152.1	152.87	153.13	153.28	153.03	153.61	153.90	154.0	162.1	
12.12	12.28	12.70	11.94	11.68	11.63	11.78	11.20	10.91	10.8	2.7	
40	26 cb	26 gut	13		13	26	39 gut	39 cb	40	50	

π 164.81


1+00
1+43.84 = P.K. = ℄ old Conc. Pave
℄ for Sections = ℄ Conc. strip.
℄
10'
5
Conc. Pave
3/4" Pipe LS 2416
15'
32.34
0+00
3/4" Pipe - Ld. + c.t.
0.53'
10'
5
Fd. old orig. Hub. + c.t.
3/4" Pipe Ld. + c.t.
0.20
14.88
0+85 = Hub. P.O.T.
Conc. Mon.
82.39
90°03'
R.O. Ramage
13
14
15
16
Lot 9
Lot 10
Miramar Terrace
Map. 1750
Sub Line
15' Lt.
0+01.84 = Pipe - LS 2416
15'
0+00 = Hub.
Lot 17
Lot 18
Fay Ave.

Beg. Levels along ℄ of Prop. Drive in Lot 17 - Miramar Terrace - sketch - P. 63

W.O. 27526 - 11-21-55 7.0.

Lt. ℄ Rt. 64

INDEXED MER NOV 25 1955

0+31.7 - 9' Lt. = ℄ 3/4" Hose Bib

0+31.5 3' Rt. = ℄ 2" Citrus

0+30.7 - 9.6' Rt. = Ang. in fence

0+24 - 6.7' Lt. = ℄ 2" Tree - Dead.

0+21 - 9.5' Rt. = Ang. in fence + 15.5 Lt. = Wire fence

0+19.5 - 13.5' Lt. = Beg ℄ of Row of Shubs - 5' cc.

0+17.5 - 13.9' Rt. = Cor. of Conc. Patio - Rock Border.

0+16.8 - 0.4' Lt. = ℄ 6.3 side of 6.3 x 9.3' Play House (movable)

0+16.2 - 12.4' Rt. = Ang. in fence

0+15.2 - 14.2' Rt. = Cor. of House + Beg. Redwood stave fence

0+11 - 12.8' Lt. = ℄ shrub.

0+09.5 - 12.7' Rt. = Cor. of chimney

0+04.5 - 12.7' Rt. = Cor. of Brick chimney

0+01.8 - 14.8' Lt. = Cor. of fence - goes N.

0+01 - 12.6' Lt. = ℄ shrub.

0+00

69.1 / 15 — 69.2 — 69.7 / 11.5 — 71.4 / 12.5 in Planting — 71.43 / 13.8 on Top Conc. wall Patio — 69.94 — 70.03 / 25

67.54 / 12.7 on Conc. Footing

66.3 / 15 — 66.70 on Hub — 66.4 / 14.5 = By House

0-00.9 = Cross Rough Redwood stave fence - 14.5' Rt. = Cor. of House + 14.8' Lt. = Cor. of Fence

BM. = S.W. Nail - Rushville + Fay 149.01 p. 36, p. 60

100' Frg. Not Noted.

	Lt.	℄	Rt.
Ely. of Rock wall along walk below - To S.			
0+75 - 14' Rt. = Nly. of Rough 2' Conc. walk to E. ←			77.41 14 walk; 77.75 16 Top wall; 78.05 30.8 Top wall; 73.7 ground To S.
Joins walk to W.			
0+72.5 - 14' Rt. = ℄ of Nly. of 3.5 Sloping Conc. walk to S.			77.24 14 walk; 74.16 26 walk - Bottom
0+65 - Cont.			75.19 31 Top wall; 73.5 ground to S.
0+65 - 1.6' Rt. = ℄ 3" Dead Citrus	76.59 15 Top of wall & ground	76.4	76.4 13; 75.68 15.5 walk; 75.73 17.5; 75.2 18
0+58.3 - 8.5' Lt. = ℄ 2" Citrus			
0+55.4 - 10.4' Lt. = ℄ 2.5' Conc. walk - Thru shrubs	75.12 21.5 By House Conc.	75.30 15 Top wall; 75.08 10.4 walk	
0+50 - 2' Rt. = ℄ 3" dead Tree			
0+48.2 - 14.9' Lt. = Beg. Sly. of 8" Brick Top - To Conc. Block wall - 6"	75.25 14.9 Top wall		
0+40 - Cont.			73.02 31.2 Top wall; 69.2 on Lawn
0+40 - 13.7' Rt. = end Nly. of Landing of 2" Conc. walk + 15' Rt. = Beg. Nly.	72.5 15	73.0	72.90 13.7 Cor. Conc.; 72.84 15 walk To E.; 72.88 17; 72.6 25
0+39.8 - 7.5' Lt. = ℄ 3" Citrus			
0+36.8 - 13.7' Rt. = N.ly. of Top of steps.			72.80 13.7 Top of steps; 72.70 17.2
0+35 - 12.2' Rt. = Cor. of fence - goes S.	71.5 15	71.6	71.8 11; 72.00 14.5 Top wall; 70.05 on Conc. Patio; 70.11 25
0+32.1 - 14.5' Rt. = wall + Cor. of Conc. Patio — wrong line			
Beg. Nly. of 3.5' Conc. steps.			

1+43.84 = ℄ Conc. Pave

1+37.5 - 14' Rt. = ℄ Traffic Sign

1+32 = edge of Conc. - AC Top

1+15

1+02.8 - 16.8 Lt. = ℄ 18" Euc. Tree

1+01.8 - 19' Lt. = Cor. of wall - goes N.

0+91.3 - 19' Lt. = ℄ 3' walk thru. wall

0+97.5 - 12' Lt. = ℄ shrub.

0+90.5 - 12' Lt. = end ℄ of Row of shrubs. - Large

0+86 - 7' Lt. = ℄ 2" Dead Tree

0+85 = Sub. Line

- 14.7' Lt. = end wall = Cor - goes N. 4.3 - 19' Lt. = wall to E.

0+83.8 - 13.5' Rt. = end N'ly of 2" walk
end of Low 6" - Raises in jogs.

0+78 - 14.9' Lt. = Beg. 4' High 8" Conc. Block wall

0+77 - 15' Lt. = ℄ ½ Hose bib.

0+76.4 - 13' Rt. = ℄ 2" dead Tree

Lt.		℄		Rt.		
85.88	85.49	87.78	89.69	91.28	91.1	88.3
Top cb	46.5 gut.	20	on PK.	17 edge	29	40
85.95		87.78	89.55	89.3	85.8	86.8
40		20 ℄	edge of Pave	11	27	50
86.63	87.0	84.7	82.7	83.0	83.5	
32 edge Conc. Pave	25	15		15	25	
82.97	80.6	80.3	80.4	81.3	81.2	
Top wall	19 ground	15		15	25	
78.79						
19 = walk						
		78.2	78.45	79.1	79.0	
		15	on Hub.	15	25	
				78.80	78.75	
				13.5	15.5	
					end walk	
81.64		78.09				
Top wall to E.		14.9 = wall to Top. W.				

Beg. Levels for profile along ℄ of 20' Conc. Strip in W. Murlands Drive

0+00 = 100' N.W.ly. along ℄ from Sta. 1+43.84 on ℄ of Drive

	Lt.		℄	Rt.		
1+50 = end.	92.07	91.57	93.23	93.98		94.1
	Top	23.3 gut.		10 edge		25 - Lawn
1+42 - 18' Rt. = end ℄ Hedge	90.46	89.99	91.64	92.21	91.1	87.9
	Top	23.6 gut.		10 edge	18	25
1+25.						
1+19 - 18' Rt. = Beg. ℄ of Shrub Hedge	88.98	88.48	89.69	90.16	89.2	84.5
	Top	23.6 gut.		10 edge	17	25 Toe
1+00 = 1+43.84 on Dr. Sta.						
0+73 - 13' Rt. = end Rail fence	87.16	86.68	87.64	87.86	87.3	81.2
	Top	23.2 gut.		10 edge	13	24 Toe
0+75						
0+58.5 - 20.6 Rt. = ℄ 5" Pine on Dr. Notes.						
0+53 - 22.5 Rt. = N'ly. of 8' Block wall - See S. and				83.17		
				22.5 = Top wall		
0+50	85.04	85.59		85.84	85.7	80.65
	23.4 gut. in Dr.			10 edge	13	24.4 Top wall
0+25 - 13.5' Rt. = Rail fence - Heavy Tree planting behind	83.68	83.21	83.50	83.50		
	Top	23 gut.		10 edge		
0+00	81.95	81.51	81.51	81.44		
	Top cb.	22 gut.		10 edge Conc.		

25·1 30.73
252 20
2782.93

NG.

9	
.35	0
.85	1
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.85	3
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.35	6
.85	7
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.85	9
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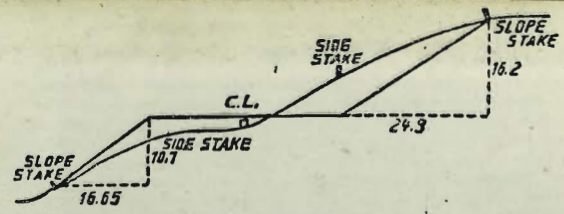

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

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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