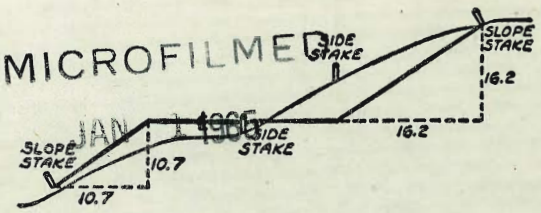
2218

1911-ACT X-SECT.



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

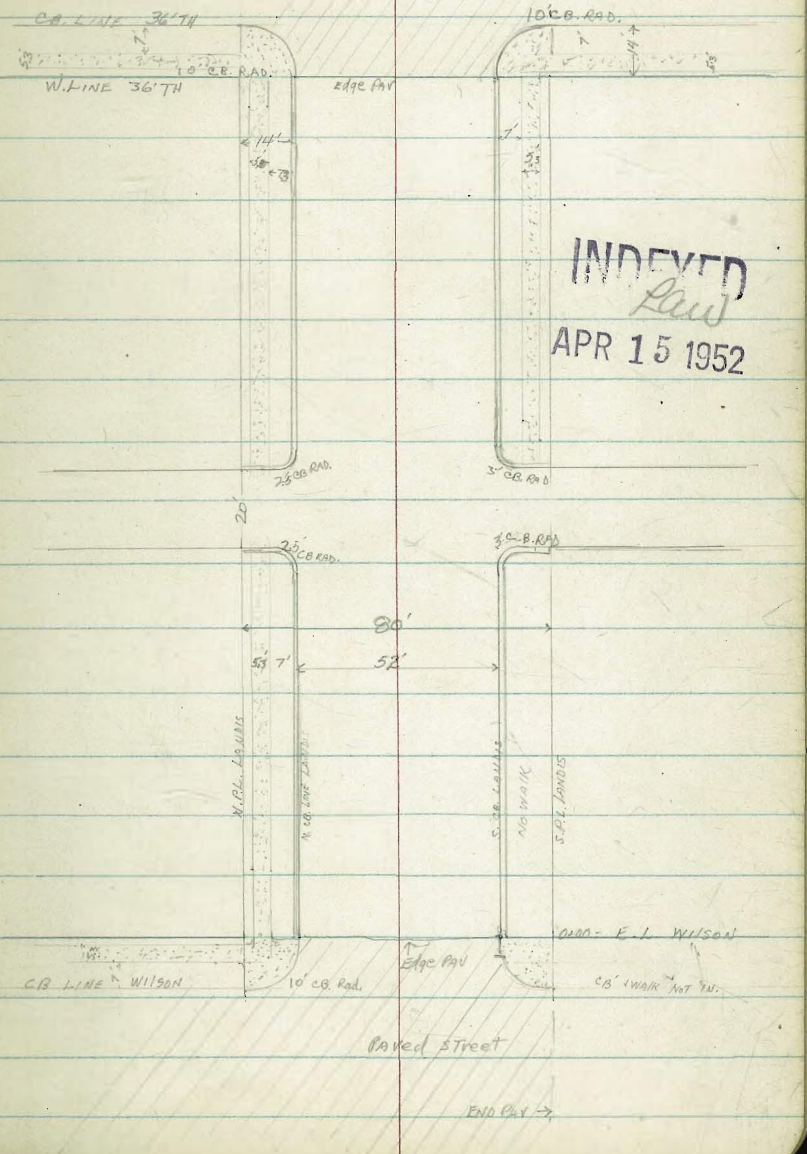
INDEX Pg

Clark
Shephard
Bruner
Bryson

4-11-52
W.O. 32058

1

X-Sect. LANDIS, WILSON to 36'TH
(Not to scale) Notes. Pg. 2



X-SECT. LANDIS: Wilson to 36'TH.

1+40.07 W.L. 20 Alley

1+37.51 = Alley B.C. Lt. & 1+37.07 on Rt. (see Sketch)

1+37 27.9 R to Pole # P3575

1+00

0+50

0+32 27.7 Rt. ℄ P. Pole # P3557

0+00 E.L. Wilson Edge Pav.

0-14 CB Line Wilson

0-40 ℄ Wilson (paved)

335.25 Direct-Elev. Rod

335.25 = Elev: N.W.

B/P 36'Th & LANDIS

334.9	333.91	333.60	333.5	332.7	333.1	332.5	332.9	333.25	332.70	333.0
50	40 End CB TR.CB + Dirt	28.5 T.CB	28.5 EC GUT.	26		26	26 EC GUTT.	26 EC T.CB	40 END CB TR.CB + Dirt	50
		333.59	332.7		333.10	332.5		333.25		
		26 T.CB	26. BCG.			26 CB BC. G		26 TR. CB		
		333.94	333.53	332.8	333.0	332.5	333.07	332.2	326.7	
		38.3 B. WALK	26 T.CB	26 G		26 G	26 T.CB	40	50	
		333.61	333.25	332.6	332.7	332.2	332.77	332.9	331.5	
		38.3 BK. WALK	26 T.CB	26 G		26 G	26 T.CB	40	50	
		333.30	333.04	332.28	332.50	331.91	332.44	332.65		
		38.3 BK WALK	26 T.CB	26 G Edge Pav.		26 G Edge Pav.	26 T.CB	38.3	BK WALK	
336.14	334.54	332.99	332.40	332.22	332.03	331.80	331.62	332.33	333.3	
No T.CB	100 G	T.CB 40	G 40	26 CB L		26 CB L	40 G END Pav.	40 T.CB	100	
335.82	333.77	333.57	333.39		333.08	332.79	332.56	332.3	330.5	
100	50	40	26 CB L			26 CB L	40 END PAV.	50	100	

X-SECT LANDIS (CONT.)

3+14.14 N.C.B.L. 36'TH

3+00.14 W.LINE 36'TH. Beg. PAV 36'TH

2+50

2+37 ℄ 9' DRIVE RT

2+00

1+90 ℄ 14' DRIVE LT. ℄ 13.5' DRIVE RT

1+63.07 = ALLEY B.C. RT.

1+62.5 = ALLEY B.C.LT.

1+60.07 E.LINE 20' ALLEY

1+57 30.5 RT + ℄ WATER METER

1+50 21' RT ℄ M.H.

336.36 100 TP.CB | 335.16 40 TPCB | 334.97 40 T.CB | 334.65 100 TPB

335.82 100 G | 334.50 40 G | 335.17 36 TPCB | 334.54 36 G | 334.36 2.6 CB. P.I ON PAV. | 334.85 | 334.48 2.6 CB P.I ON. PAV. | 334.48 36 G | 335.00 36 T.CB | 334.40 40 G | 334.66 100 G

335.39 38.3 WALK | 335.05 26 TPCB | 334.18 26 G PAV. | 334.78 | 334.16 26 G PAV | 334.78 26 TPCB | 335.17 38.3 WALK

334.88 38.3 WALK | 334.65 26 TPCB | 333.9 26 G | 334.70 | 333.5 26 G | 334.25 26 TPCB | 334.46 38.3 WALK

333.53 26 ℄ UP | 334.22 33 WALK

334.45 38.3 BK WALK | 334.27 26 TP.CB. | 334 26 G | 333.8 | 333.0 26 G | 333.70 26 TP CB | 333.69 38.3 BK WALK

334.37 33 Edge WALK | 333.76 26 ℄ UP | 333.06 26 ℄ UP | 333.72 33 Edge WALK

333.30 | 332.7 26 G | 333.49 26 BC TP.CB

334.10 26 T.PCB | 333.0 26 G | 333.30

334.6 60 | 334.09 40 END CB. | 334.07 28.5 EC DIRT | 333.8 28.5 CUT | 333.2 26 | 333.30 | 332.7 26 | 333.4 28½ CUT. | 333.56 EC 29 TPCB | 333.35 40 TPCB | 332.5 50

332.73 21 R.M.11

X-Sect. Landis (cont.)

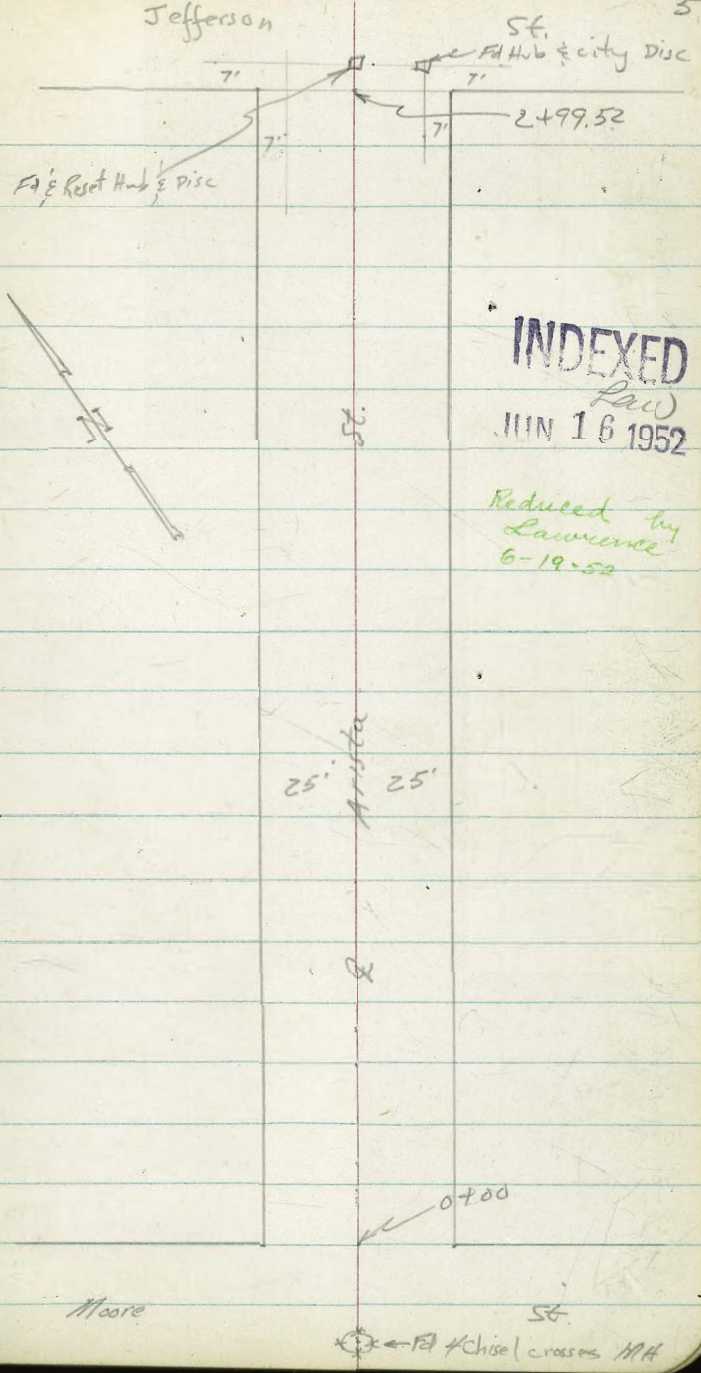
Check Direct Water Rod: 335.23 = 335.25 N/W B.P 36'Th. & Landis

3+40.14 ℄ 36'Th (Paved)

336.83 (100) 335.84 (50) 335.30 (40) 334.74 (26) 335 03 335.02 (26) 335.15 (40) 334.99 (30) 334.73 (100)

Roberts
Cota
Pullen
6-12-52
W.O. 32015

X-Section Arista St.
Moore to Jefferson



Reduced by Lawrence 6-19-52

Cont'd From Page 5

	Lt	℄	Rt
0+50	25.7 / 6.9 / 25	25.1 / 7.5 / 16 — 23.0 / 9.6 / 12 — 22.7 / 9.9	22.2 / 10.4 / 10 — 23.2 / 9.4 / 20 — 25.2 / 7.4 / 25
0+25	27.0 / 5.6 / 25	26.6 / 6.0 / 16 — 25.6 / 7.0 / 13 — 25.0 / 7.6	24.1 / 8.5 / 10 — 25.0 / 7.6 / 12 — 25.9 / 6.7 / 18 — 25.6 / 7.0 / 25
0+00 Property Line Moore	27.1 / 5.5 / 50	27.8 / 4.8 / 25 — 27.6 / 5.0 / 18 — 27.3 / 5.3 / 15 — 26.7 / 5.9	26.3 / 6.3 / 10 — 27.0 / 5.6 / 13 — 27.8 / 4.8 / 25 — 27.5 / 5.1 / 50
0 − 10	22.3 / 10.3 / 100	27.1 / 5.9 / 50 — 27.6 / 5.0 / 25 — 27.3 / 5.3	27.4 / 5.2 / 18 — 27.7 / 4.9 / 50 — 27.8 / 4.8 / 100
0 − 13	21.8 / 10.8 / 100	26.2 / 6.4 / 50 — 27.2 / 5.4 / 25 — 27.4 / 5.2	27.0 / 5.6 / 18 — 27.3 / 5.3 / 50 — 27.5 / 5.1 / 100
℄ Moore Street	22.1 / 10.5 / 100	26.0 / 6.6 / 50 — 27.3 / 4.8 / 14	27.6 / 5.0 / 50 — 27.6 / 5.0 / 100

T.P. 8.14 32.61 ℄ 6.44 24.47

T.P. 2.03 30.91 7.40 28.88

B.M. 0.80 36.28 35.48 SE BP La Jolla & Arista

32.61 ℄

Cont'd From Page 6

1+74 15' Lt begin 10' cb Inlet

1+52 20° Lt to center P. Pole # JP3880

1+50

1+48 18° Rt to center P. Pole # 3877

1+25

1+00

T.P. 0.61 20.28 ℸ 12.94 19.67

0+75

0+58 20° Lt to center P. Pole # R3870

32.61 ℸ
23.61

15.14 14.32
5.14 5.96
15 15
cb Gutt

12.5 14.5 15.0 15.0 15.1 15.6 16.6
7.7 5.7 5.2 5.2 5.1 4.6 3.6
50 25 12 10 25 50

16.0 16.0 15.7 15.4 16.4
4.2 4.2 4.5 4.8 3.8
25 13 9 25

21.0 20.5 19.0 19.0 17.7 17.2 16.7 17.2 17.6 19.4 19.9 19.9
+0.8 +0.3 1.2 1.2 2.5 3.0 3.5 3.0 2.6 0.8 0.3 0.3
35 28 25 16 13 9 11 17 20 25 35

20.28 ℸ

23.6 24.0 22.9 20.3 19.9 19.5 19.7 22.1 22.7
9.0 8.6 9.7 12.3 12.7 13.1 12.9 10.5 9.9
25 20 15 12 10 15 20 25

32.61 ℸ

2+49 — 25' Rt & 3' conc Walk

2+34 — 25' Rt End one wall begin

2+24 — 25' Rt & 25' conc Walk

2+11 — 25' Rt Begin conc Blk Ret. Wall

2+00

1+85.5 — 24.6 Lt & 3' conc Walk

1+85 — 15' Lt End Curb Inlet

20.28 ℄

Lt ℄ Rt 8

17.90 — 18.46
2.38 — 1.82
25' conc — 36' conc

17.1 — 16.7 — 17.58 — 17.77
3.1 — 3.5 — 3.70 — 2.51
25' SRD — Foot 25' — Top 25' Edit — Top 25' West

17.84 — 18.28
2.84 — 2.00
25' conc — 36' conc

16.8 — 16.6 — 17.76
3.4 — 3.6 — 2.52
25' SRD — Foot 25' — Top 25'

13.0 — 14.3 — 14.8 — 14.3 — 14.9 — 15.2 — 15.1 — 16.0 — 16.5 — 17.8
7.2 — 5.9 — 5.4 — 5.9 — 5.3 — 5.0 — 5.1 — 4.2 — 3.7 — 2.4
50 — 25 — 16 — 14 — 10 — 10 — 18 — 25 — 50

13.21 — 13.90
7.07 — 6.38
40 conc — 24' conc

15.17 — 14.33
5.11 — 5.75
15 CB — 15 Gutt

9.00
11.28
INVERT of Inlet

20.28 ℄

Cont'd From Page 8

3+10	146	Lt to center Storm Drain MH
3+08		
2+99.52	25	Rt End Wall
		Property Line Jefferson
T.P.	7.34	26.53 ℄ 1.09 19.19
2+98	17½	Rt to center 5" Pepper Tree
2+75	25	Rt ℄ 2' Conc Walk
2+60.5	25½	Rt End one wall begin another
2+50		

20.28 ℄

Lt ℄ Rt 9

20.21
6.32
146
Top MH

13.2	18.4	19.7	20.6	23.1	23.8	24.0
13.3	8.1	6.8	5.9	4.4	3.7	2.5
100	50	25		25	50	100

17.6	18.3	19.0	19.5	20.1	19.9	19.3	19.83	20.6
8.9	8.2	7.5	7.0	6.4	6.6	7.2	6.70	5.9
50	25	14		14	25 GRD	25 Foot	25 Top	50

26.53 ℄

16.1	16.6	15.8	16.8	17.0	17.2	18.0	18.5	18.97	19.20
4.1	3.6	4.1	3.4	3.2	3.0	2.2	1.7	1.31	1.08
25	17	15	10		11	18	25	25 conc	36 conc

17.7	17.6		18.0	18.9
	(2.6)			
2.5	2.6		2.2	1.5
25 GRD	25 Foot		25 Top West	25 Top East

19.9	15.2	15.6	15.0	15.6	15.7	16.0	16.4	17.4	18.4
6.3	5.0	4.6	5.2	4.6	4.5	4.2	3.8	2.8	1.8
50	25	17	14	9		10	15	25	36

20.28 ℄

Cont'd From Page 9

Lt ℄ Rt 10

Check			0.80	35.47 = 35.48
T.P.	11.57	36.27	1.83	24.70

℄ Jefferson Street

26.53 T

12.3 17.4 19.5 20.98 22.1 23.1

14.2 9.1 7.0 5.55 4.4 3.4

100 50 25 10 50 100

26.53 T

X-Sec. WINONA 8-6-52

Orange to 300' N'ly. W.O.#32031

C.H.S.
Begg
Oltman
Johns

denotes Pd. ½ hub + Tack or disk

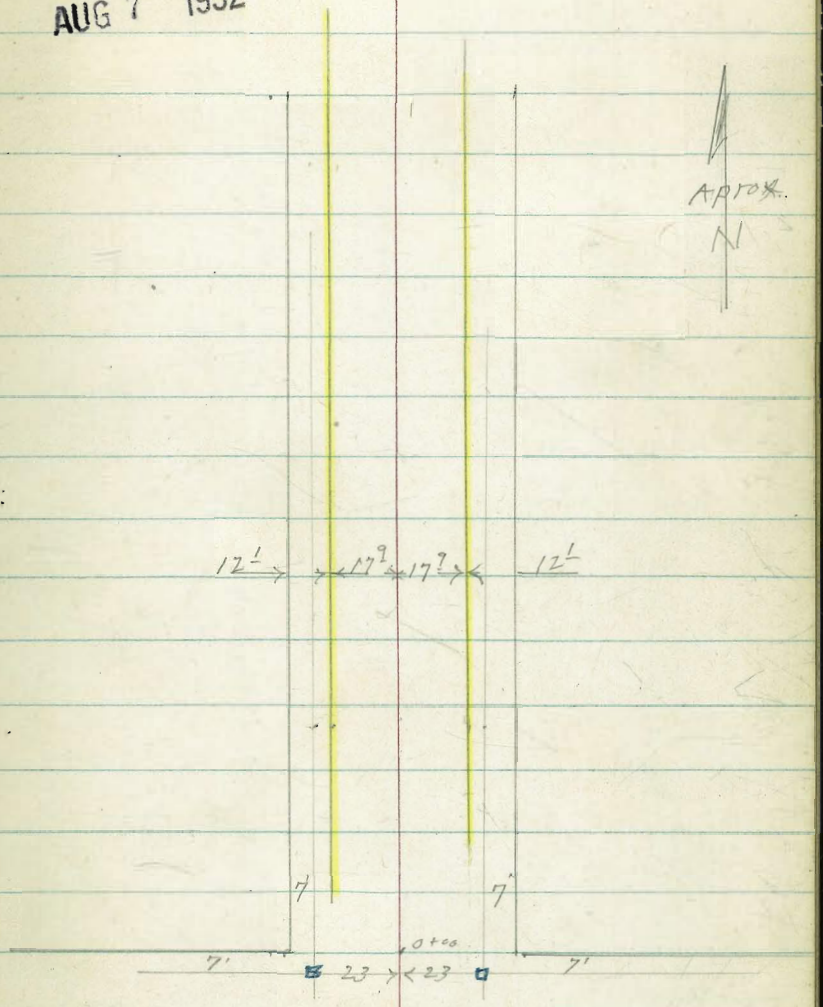
Ref. T.P. Sheet 3664
F.B. 1672/16

direct elev. rod used.

#1 B.M.: S.E. B.P. 49[th] + Orange
El. = 332.95. The hundred (which
is 3) is not shown in notes

G = ground in gutter 19[ft] off ℄
cb. = top of cb. 17[ft] off ℄

Soil sample 10' Rt of Sta. 1+00



℄ Orange = 0-40

Winona

38.40
cl

1+24 17[9] = start 5' sh. to be refinished
1+10 17[9] Lt. = start 4' sh. to be retapped
1+08 - 17[9] Rt. = 6' sh to be refinished

1+00	37.8	37.3	37.57	36.8	37.1	37.1	36.5	35.9	36.38	35.8	35.4
	50	30	cl	G	9		9	G	cl	30	50

0+75		36.2	35.86	35.1		35.4	34.3	34.82	34.4
		30	cl	G			G	cl	30

0+59 = driveway on Lt. re topped.
0+42[4] 17[9] Rt. = start 3' sh. to be

		36.30	35.48	34.33					
		40	30	17[9]					
			drive						

0+33 - 17[9] Rt. = start Conc. sh.
T.P. = 332.14

	33.8	33.01	32.3	32.1	31.6	32.0	32.95	32.7
	30	cl	G		16	G	cl	30

0+04[5] 17[9] Lt. = start Conc. sh.

		31.39	30.0					
		cl	G					

0+01	29.8	30.6	30.3	29.2	29.6	28.7	30.7	31.0	30.4
	100	30	18	17		17	20	30	100

B.W. = base of wall
0+00 Cont. T.W. = Top " "

			29.7		30.9	27.0	31.4
			100		30	100	100
					T.W.	Grd	T.W.

block wall.
30' Rt. = South face 8" wide Conc.
0+00 = Nly. line orange

	30.4	30.2	29.2	29.5	28.7	28.9	28.5	27.5
	30	18	17		17	18	30	30
								B.W.

0-40 = ℄ orange	29.2	28.4	27.9	27.9	27.7	26.6	24.7
	175	100	30		30	100	175

T.P. 331.39

Winona

to be replaced.
2+10 - 17[9] Rt. = start 5' of curb.

broken out. Replace as driveway.
2+07 - 17[9] Lt. = start 10[3] of curb

2+00

47.1 47.4 47.69 47.0 47.2 47.5 47.3 46.7 47.62 47.6 47.0
30 19 cl G 9 9 G cl 19 30

1+75

44.4 44.3 43.6
44.48 43.6 44.2 44.4 44.0 43.3 44.20 43.9
30 19 cl G 9 9 G cl 19 30

T. (T.P. = 344.30)

curb.
Note / should be replaced with standard
This drive is not in use. 15' long

1+62 17[9] Lt. = ℄ drive

43.55 43.24 42.47
30 24 17[9]

replaced.
1+56[3] 17[9] Rt. = start 2' cl. to be

1+51

41.98
cl

1+50

drive
421 41.2 41.4 41.4 41.2 40.3 41.13 40.6
30 cl G 9 9 G cl 30

1+46 - 17[9] Lt. = ℄ drive way

41.40 41.65 41.70 40.80
40 30 29 17[9]

1+25

39.4 39.54 38.6 38.9 39.0 38.8 37.9 38.4 37.9
30 cl G 9 9 G cl 30
(Top gone)

TP 338.99

Winona

59.4 58.7 58.6 57.1
30 19 19 30

2+75 { cb. on left leans into roadway

58.64 57.7 57.9 57.9 57.7 57.8 58.60
cb. G 9 9 G cb
No good No good

2+51 - 25 Rt. = 20" diam acacia. (4 trunks from Roots)

54.1 54.4 54.7 54.0 52.5
30 19 19 30 40

2+50 {

54.89 53.9 54.0 54.1 54.2 54.1 55.04
cb G 9 9 G cb
No good N. Good

2+46 { 17½ Rt. = Start Curb to come out.
20' Lt. = 8" acacia stump to come out. 54.60 17½ cb

52.82 53.47 53.16 N.A.D.
17½ 24½ 30 40

2+38½ 17½ Rt. = ℄ driveway

to preserve new curb to be built.
this should come out so as

2+38 - 20' Lt. = 14" diam acacia.

2+31 - 17½ Lt. = start curb to be replaced.

T.P 352.45

2+26 - 17½ Rt. = start 4' cb to be refinished

50.8 50.6 51.3 51.4
30 19 19 30

2+25 {

51.12 ~~50.5~~ 50.7 51.0 51.0 50.5 51.34
cb G 9 9 G cb

Winona

EL. in Bench book:
362.89 = N.W.B.P. Trojan & winona

Error 0.02
362.91

362.89

T.P. 366.74

T.P. 366.21

3+30

65.52 64.92 65.18 65.40 65.27 65.04 65.54
CL G 9 9 G CL

62.12
30

3+00 = start dirt & rock pavement

62.4 62.21 61.70 61.80 62.00 61.80 61.60 62.16
30 CL G 9 9 G CL

start good curb.
2+93.9 17.9 Lt. = end no good curb.

61.41
CL

60.90 60.22
30 40

2+91 - 17.9 Rt. = ℄ driveway

60.45 60.97 61.17
179 218 263

TP 358.84
also start good curb.
To come out.

2+83.5 17.9 Rt. = end of N.G. curb

59.88
CL

Oliver St.

Lamont to Olney

3-30-53
W.O.# 32050

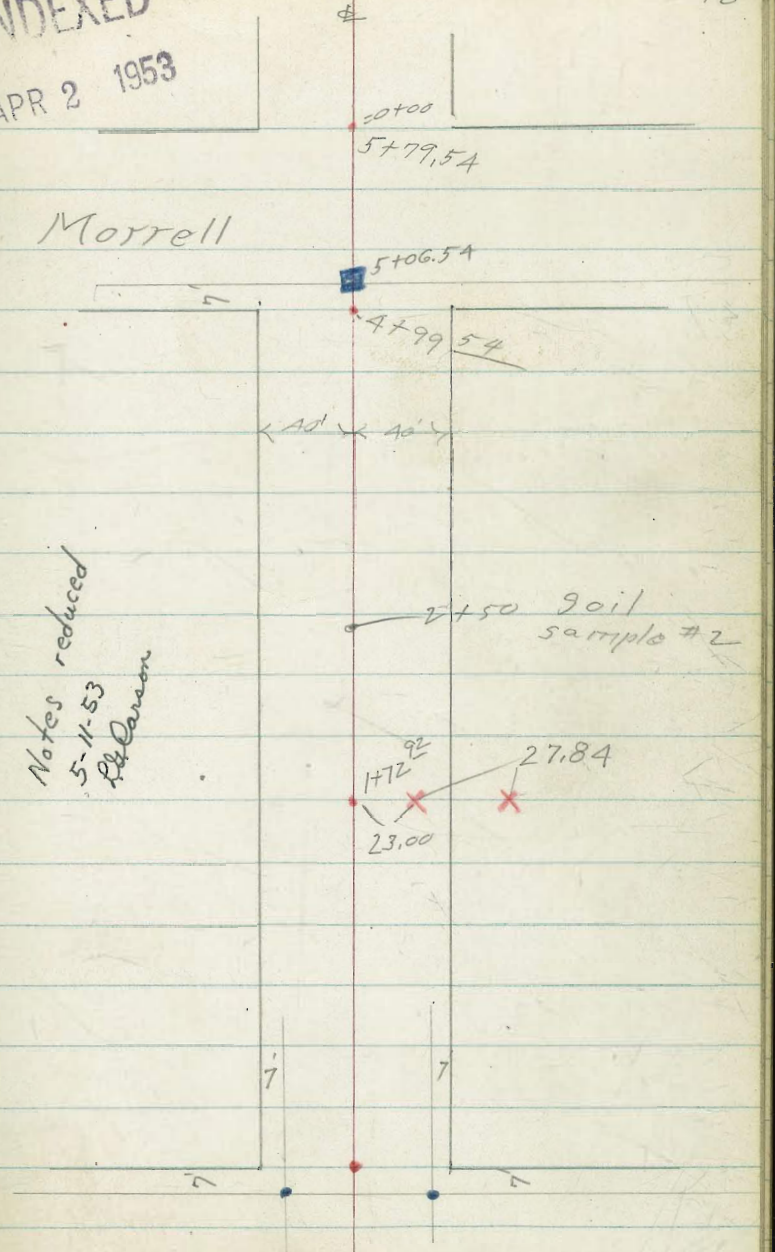
C.H.S.
Begg
Altman
Schelin

■ denotes Fd. Conc. Mon
• " " L+T.
× " " cross in Conc.
× " cut cross " "
• " Nail or temp. point.
(V&C) " ctr. water meter box.

Soil sample #1 { 20' west of ℄ Noyes / 30' North of ℄ oliver

" " { ℄ oliver / #2 250' East of Ely line Lamont

No soil sample taken from marsh or loose fill (Page 31-on) this is regular bay mud + street sweeping + sand.



Cross on drive

10'

5+79.63

Noyes

soil sample #1

5+06.63

17

in walk

10

℄ Road

Levels page 26 and page 56

0+00

Morrell

5+06.54

7'

7'

℄

Olney.

1952 year Nail in pole # 4178

EL Nail = 4.39

EL Mon. = -2.05

5+06.45

14.20

7'

7'

4+99.45

105.95

P.K. in pole # 2171

EL Nail = 4.94

40 x 40

2+00

set stub 7/1/54 CHS

Ext ditch see P-61

New levels P-58

0+00

5+79.63

Noyes.

5+06.63

Oliver

T.P.	3.97	44.34	4.79	40.37
0-10 - 20'Rt, 20'Lt = E.C. 10' Rad. Cl. Rot. on New Cold Lay				
0-20 Cont.				
2" ± thick = end good rock + oil				
30'Rt, 30'Lt = B.C. 10' Rad Cl. Rot. 0-20 = Ely Cl. line Lamont				
0-40 Cont.				
0-40 = ℄ Lamont (Rock + Oil Pave.)				
B.M.#2	4.79	45.16	5.74	40.37
B.M.#1	5.74	46.11	—	40.37

℄

40.16 ✓ 5.00 20 CL. E.C.

39.7 39.58 20 Cut 39.78 10 39.98 -

39.89 10 39.65 Cut 19.8 19.8 CL. E.C. 40.16 ✓ 5.00

40.52 4.64 165 Pave.

40.95 4.21 162 CL

39.94 5.22 50 CL

38.33 6.83 100 C

38.98 6.18 100 CL

40.53 4.63 C 162

40.61 4.55 100 CL

40.16 5.00 100 C

40.28 4.88 40 CL

39.54 5.62 40 C

40.14 5.02 40 CL

39.29 5.87 50

39.74 5.42 40 C

40.21 4.95 30 CL. B.C.

39.74 5.42 30 C

39.65 5.51 20 Pave

40.04 5.12 Pave.

39.69 5.47 20

39.62 5.54 30 C

40.19 4.97 30 CL. B.C.

41.38 3.78 165

40.96 4.20 100

38.83 6.33 100

40.54 4.62 50

40.46 4.70 40

40.37 4.79 30

40.08 5.08 45.16

39.78 5.38 30

39.76 5.40 40

39.66 5.50 50

N.E. 7'Lt. Oliver + Lamont

S.E. 7'Lt. Reed + Lamont

Oliver

4

0+45 { 22' Rt. = start 6' High Hedge
(-26' Rt. = 14" Diam Palm.

0+32 - 20 8' Rt. & 2' wide conc. walk.

0+24 - 27 5 Lt. = 14" diam. poppa
start picket fence.

0+15 - 40' Lt. = end hedge +

0+12 - 28' Lt. = 24" diam. acaccia

0+10 40' Rt. = 5" Diam Tree.

0+04 { 25 5 Rt. = 4" Diam. Aspen
22' Lt. = (VI)

0+03 22' Lt. = (VI)

0+02 22' Lt. = (VI)
25 5 Rt. = 1' Diam Palm.

0+01 22' Lt. = (VI)

0+00 = Ely line La Mont
30' Rt. = N.E. Cor. 5' wide conc. walk.
20' Rt. = end curb
30' Lt. = S.E. Cor. 5' wide conc. walk
20' Lt. = end curb
40' Lt. = start 4' High Hedge.

0-01 - 21' Rt. = (VI)

-0-03 21' Rt. = (VI)

0-05 21' Rt. = (VI)

0-06 22' Lt. = (VI)

39.72 39.68 39.72
4.62 4.66 4.62
20 8 40 50

40.4 40.44 40.41 40.34
3.9 3.90 3.93 4.0
40 35 walk 35 walk 40

40.35 40.02 39.49 39.65 39.76 39.73 39.85 40.21 40.39
3.99 4.32 4.7 4.3 4.13 3.95
30 20 20 10 10 20 20 30
walk cc gut. on edge of Cold Lay gut. cc walk

44.34

Oliver St.

T.P. 3.80 42.32 5.82 38.52

1+43 34' Rt. = ℄ 3' wide conc. walk

1+23 - 34' Rt. = ℄ 2' wide conc. walk

1+16 - 40' Lt. = ℄ 2' wide conc. walk

1+00 27' Lt. = 14" Diam pepper

0+90 27' Lt. = 1' Diam pepper

30' Rt. = ℄ 3' wide conc. walk

0+82 28' Lt. = 10' high shrub.

0+64 27' Lt. = 5' high shrub

0+60 - 19' Rt. = ℄ 6' wide level conc. drive

0+55 - 22' Rt. = end hedge

0+50 28' Lt. = 18" Diam Acacia

℄

39.97	38.97	39.03
5.37	5.37	5.31
31	40	50

39.27	39.14	39.12
5.07	5.20	5.22
34	40	50

39.79	39.69
4.55	4.65
60 walk	40 walk

39.8	39.1	39.2	38.8	39.3
4.5	5.2	5.1	5.5	5.0
40	15		15	40

39.22	39.20	39.17
5.12	5.14	5.17
30 walk	40	46

39.18	39.19	39.24
5.16	5.15	5.10
198 drive	40	51 Gar Floor

39.8	39.6	39.2	39.9	39.4	39.2
4.5	4.7	5.1	5.4	4.9	5.1
20	20		16	18	40

20, (40) Cedar

44.34

Oliver

2+47

2+35 75' Lt. = ℄ double Car Floor conc.

2+27 40 5 Lt. = end board fence

2+20

1+90

1+78

1+77 { 41' Lt. = start board fence
40 5 Lt. = end picket fence

1+73 21 9 Rt. = ℄ 3' wide Conc. walk

1+50

℄

36.9	36.8	36.7	36.3	36.6		36.1	36.4	37.1
5.4	5.5	5.6	6.0	5.7		6.2	5.9	5.2
50	40	25	20			12	14	40

37.52

4,180
75
Floor

	37.0	37.2	37.9		37.5	37.9	37.9
	5.3	5.1	4.4		4.8	4.4	4.4
	40	20			12	15	40

37.5	39.2	38.5	38.6		38.2	38.4	38.7
4.8	4.1	3.8	3.7		4.1	3.9	3.6
40	30	15			15	17	40

	39.1	38.7	38.7		38.5	38.5
	3.2	3.6	3.6		3.8	3.5
	40	15			15	40

					38.54	38.99	39.04
					3.78	3.33	3.28
					219	40	50

	39.3	38.9	38.9		38.6	39.0
	3.0	3.4	3.4		3.7	3.3
	40	15			15	40

42.32

Oliver

3+11 - 40' Lt. = ℄ 8" wide conc. block wall.

3+00

2+98 39.5' Rt = ℄ 2.5' wide conc. walk

2+90 - 40' Rt. = end conc. drive

2+86 40' Lt. = ℄ 3' wide conc. walk

2+80 40' Rt. = start conc. drive

2+55

34.8 31.7 32.8
7.5 10.6 9.5
40' 40' 40
T.W. B.W. End

34.6 34.5 33.3 32.8 33.0 32.5 32.9 33.7 34.4
7.7 7.8 9.0 9.5 9.3 9.8 9.4 8.6 7.9
50 40 37 20 25 35 40 50

34.21 34.40
8.11 7.92
39.5' walk 50

34.55 35.28 35.57
7.77 7.04 6.75
40 55 68

34.05 34.72
7.27 7.60
50 walk 40

35.22 35.72 35.57
7.10 6.60 6.75
40 55 68
Gar floor

35.1 35.6 36.1 35.8 36.3
7.2 6.7 6.2 6.5 6.0
40 20 20 40

42.32

Oliver

3+84 - 38² Rt. = ℄ 6" wide Conc. block wall.

3+80 38⁵' Rt = end drive

3+70 . 38⁵ Rt.= start Conc. drive

3+65 ?? carson

2+65

T.P. 1.00 31.10 12.22 30.10

3+40 ?? carson

2+40 38' Rt.= ℄ 6" wide Conc. wall.

3+35 - 39⁴ Rt.= end drive

3+25 39⁴ Rt.= start Conc. drive

℄

3+84: 27.5 / 3.6 / 38 / Grd — 27.0 / 4.1 / 38² / B.W. — 29.8 / 1.3 / 38² / T.W.

3+80: 27.95 / 3.15 / 38⁵ / drive — 29.83 / 1.27 / 68 / Gar. floor

3+70: 28.62 / 2.48 / 38⁵ / drive — 29.83 / 1.27 / 68 / Gar. floor

2+65: 25.1 / 6.0 / 50 — 25.7 / 5.4 / 40 — 26.8 / 4.3 / 25 — 26.2 / 4.9 / 20 — 27.1 / 4.0 — 27.7 / 3.4 / 20 — 28.6 / 2.5 / 40

31.10

2+40: 30.8 / 11.5 / 38 / Grd. — 30.4 / 11.9 / 38 / B.W. — 32.6 / 9.7 / 38 / T.W.

3+35: 31.28 / 11.04 / 39⁴ — 32.87 / 9.45 / 56 / Gar.

3+25: 30.0 / 12.3 / 50 — 30.4 / 11.9 / 40 — 31.1 / 11.2 / 25 — 30.6 / 11.7 / 20 — 30.9 / 11.4 — 30.8 / 11.5 / 20 — 31.58 / 10.74 / 39⁴ / drive — 31.7 / 10.6 / 40 — 32.87 / 9.45 / 56 / Gar. Floor

42.32

Oliver

4+50 43^{7} Lt. = start Conc. drive.

4+34 38^{7} Rt. = start Conc. drive

4+29 45' Lt. = ℄ 2^{5} wide Conc. walk

4+27 38^{7} Rt. = ℄ 2^{5}' wide Conc. walk

4+00 38^{4} Rt. = end drive

3+95 - 44^{8} Lt. = ℄ 3' wide Conc. walk

3+90 - 38^{4} Rt. = start Conc. drive

20.05 19.25 18.8 18.0 18.8^{2}

11.05 11.85 12.3 13.5 12.3

55 43^{7} 40 30

on drive

19.1 21.1

12.0 10.0

15 40 on drive

21.12 20.36

9.98 10.74

55 45

walk

21.95 22.70

9.25 8.40

38^{7} 61

Par. floor

22.40 22.95

8.70 8.15

38^{7} 48^{7}

walk

22.1 22.0 22.4 23.3

9.0 9.1 8.7 7.8

50 40 20

24.1 26.0 26.22 27.67

7.10 5.1 4.88 3.43

18 38. 38^{4} 56

Drive Gar

22.32 22.20

8.78 8.90

54^{8} 44^{8}

walk

26.58 27.68

4.52 3.42

38^{4} 56

drive Gar.

31.10

Oliver

℄

5+15

40 Rt
39 Rt
37 Lt
36 Lt
= (W)

5+11 = wly line Morrell

4+99 54 40' Rt. = end conc. block wall.

4+99 20 Rt. = 12" pole ± 1999

4+80 20' Rt = dead man

4+75

4+73 40' Rt. = start conc. block wall

T.P. 1.54 21.23 11.41 19.69

4+59 43 Lt. = end drive

4+51 38 Rt. = end conc. drive.

					16.4	16.0	16.0	15.6	16.0			
					4.8	5.2	5.2	5.6	5.2			
					40	20		20	40			
19.7	19.5	17.8	16.6	16.2			16.2	15.9	16.9	16.2	19.9	
1.5	1.7	3.4	4.6	5.0			5.0	5.3	4.3	5.0	1.3	
50	45	40	36	25				25	40	40 B.W.	40 T.W.	
19.7	19.7	17.0	17.2	17.7	19.5	20.0						
1.5	1.5	4.2	4.0	3.5	1.7	1.2						
50	40	32		20	40	50						
				19.3	18.8	19.69						
				1.9	2.4	1.54						
				40	40 B.W.	40 T.W.						
			21.23									
20.08	19.20											
11.02	11.90											
55	43											
on	drive											
				20.96		22.65						
				10.14		8.45						
				38		63						
				drive		@ cr.						
			31.10									

Oliver

Pole #2015

T.P. Nail 2.63 | 18.50 | 5.36 | 15.87

1+00 14' Rt. = 10" pole # 2015

0+90 5.4' Lt. = ℄ 3' wide Conc. walk

0+60

0+42 - 40.5' Lt. = ℄ 9' Conc. Dr.

0+30

=0+00

5+79.54 = Ely. Morrell

5+39.54 = ℄ Morrell (Unimproved)

Note! See page 55 for remarks for Yardage South of ℄ of Oliver Taken 1-29-54

℄

1

18.9	18.8	17.2	16.3	15.6	14.9		14.7	14.0	12.3	9.8
2.3	2.4	4.10	4.9	5.6	6.3		6.5	7.2	8.9	11.4
60	50	40	27	26			12	15	40	60

19.17 — 2.06 — 6.4 — walk

18.67 — 2.56 — 5.4

19.5	18.9	17.0	16.1	15.4	14.6		14.0	12.9	11.2	10.8
1.7	2.3	4.2	5.1	5.8	6.6		7.2	8.3	10.0	10.4
60	50	40	27	26			12	15	40	60

20.35' — 58.8 — floor of gar.

19.48' — 50 Brk.

17.85' — 40.5' Dr.

16.6	16.1	14.7	14.5		13.5		12.2	10.5	11.8	
4.6	5.1	6.5	6.7		7.7		9.0	10.7	9.4	
40	27	26			20		40	80	100	

18.0	16.4	15.1	14.7		14.5		14.7		14.2	
3.2	4.8	6.1	6.5		6.7		6.5		7.0	
50	40	25			20		40		50	

21.2	16.4	15.7	15.4		15.4		15.6		18.4	
+0.0	4.8	5.5	5.8		5.8		5.6		2.8	
115	40	20			20		40		140	

21.23

Oliver

2+34 40' Lt = ℄ 8' wide Conc. drive

15.40 13.84
3.10 4.66
60 40
Car.

2+16 40' Lt = ℄ 8' wide Conc. drive

16.08 14.41
2.42 4.09
66 40
Car.

2+00

14.7 14.1 13.1 13.4 13.3 13.1 12.0 10.3
3.8 4.4 5.4 5.1 5.2 5.4 6.5 8.2
40 30 29 20 15 40 100

1+97 40' Lt = ℄ 4' wide conc. walk

15.00 14.84
3.50 3.66
50 40'

1+66 40' Lt = ℄ 8' wide Conc. drive

16.68 15.57
1.82 2.93
66 40
Car. drive

1+50

15.8 15.2 14.6 14.4 14.1 12.9
2.7 3.3 3.9 4.1 4.4 5.6
40 29 25 12 40

1+47 40' Lt = ℄ 4' wide Conc. walk

16.40 16.09
2.10 2.41
50 40
walk

18.50

Oliver

4+11 14' Rt. = 10" diam pole # 2065

4+02 38± Lt. = ± 3' wide conc. walk

4+00

3+77- 38 Lt. = ± 2' wide conc. walk

T.P. 330 12.78 9.08 942

3+50

3+00

2+51- 15± Rt. = 10" pole # 2051

2+50

2+45- 39 Lt. = ± 3' wide conc. walk

11.58 11.18 11.14

1,20 1,60 1,64

50 40 38±

11.7 11.1 11.0 9.2 9.6 8.4 9.4 8.5 7.7 5.5

1.1 1,7 1,8 3.6 4.2 4.4 3.4 4.3 5.1 8.3

50 40 37 24 12 13 20 40 100

12.76 11.94 11.92

0.62 0.84 0.80

50 40 38

12.78

12.6 11.8 10.4 9.8 9.7 8.0

5.9 6.7 8.1 8.7 8.8 10.5

40 30 28 15 40

13.8 12.8 12.2 11.3 11.0 10.6 9.5 7.6

4.7 5.7 6.3 7.2 7.5 7.9 9.0 10.9

60 40 29 28 15 40 100

13.5 12.0 12.0 11.7 11.0 10.3

5.0 6.5 6.5 6.8 7.5 8.2

40 25 15 25 40

14.75 13.66

3.75 4.84

55 39

18.50

oliver

B.M.	2.90	6.53	9.15	3.63

35' Rt = dead man
5+11 14' Rt. = 10" pole # 4198
4+99 63 = wly line Noyes

4+94 - 41 3 Lt. = ℄ 3' wide Conc. walk

4+54 41 2 Lt. = ℄ 3' wide Conc. walk

4+50 - 40' Lt. = ℄ 6" Conc. wall

4+48 - 40' Lt. = ℄ 2 5' wide Conc. walk.

4+23 - 37 8 Lt. = ℄ 3' wide Conc. walk.

Noyes + oliver
Chiseled square N'ly. end N.W. Cl. Rot

7.0	6.8	4.8	3.9	3.5		2.8	3.8	3.2	1.8
5.8	6.0	8.0	8.9	9.3		10.0	9.0	9.6	11.0
50	40	27	20			11	14	40	100

8.08	7.19
4.70	5.59
51 3	41 3

8.08	7.78	7.6	6.5	6.2	5.8	6.7	5.8
4.70	5.00	5.2	6.3	6.6	7.0	6.1	7.0
50	41 2	40	20		15	16	40
	walk						

8.5	7.9	5.4	6.9	6.5	6.2	6.8	5.8
3.9	4.9	4.4	5.9	6.3	6.6	6.0	7.0
40	40	40	20		15	16	40
T.W	B.W						

8.98	8.66
3.80	4.12
50	40

10.84	10.44	10.34
1.94	2.34	2.44
50	40	37 8

12.78.

Oliver.

40' Lt. = sly edge A.C. Pave.
50' Lt. = B.C. Curb.
5+59 63 = Ely cl. line Noyes.

40' Lt. = Sly edge pave.
5+39 63 = ℄ Noyes

5+19 3 Conf.

53' Lt. = Aprox E.C. cl. as built
40' Lt. = Sly edge A.C. pave.
5+19 63 = wly cl line Noyes

5+17 8 - 40 3 Lt. = ℄ A.C. Pave. start existing cl

5+12

3.81	3.20	3.03							
2.72	3.33	3.50							
100	100	50							
cl	G	cl. B.C.							
2.39	2.45	1.8	0.9	-0.5	-0.7	-1.0			
4.14	4.08	4.7	5.6	7.0	7.2	7.5			
50	40	20		5	20	40			
G	E.P.								
3.83	2.99	2.76	2.2	1.7	1.1	0.3	-1.8		
2.70	3.54	3.77	4.3	4.8	5.4	6.2	8.3		
100	50	40	20		20	40	100		
		E.P.							
4.12	3.49	3.58							
2.41	3.04	2.95							
100	100	53							
cl.	G	cl.							
2.93	3.03	2.8	2.4	2.2	1.6				
3.60	3.50	3.7	4.1	4.3	4.9				
53	40	20		20	40				
G	E.P.								
3.59	2.94								
2.94	3.59								
40 3	40 3								
cl	G								
3.6	3.2	2.8	2.5	3.8	3.5	2.6	2.3		
2.9	3.3	3.7	4.0	2.7	3.0	3.7	4.2		
40	36		10	13	37	40	50		

6.53

Oliver

Nail in Pole # Z119

T.P. 7.19 7.14 6.58 −0.05

1+08 - 41' Lt. ℄ 8' wide conc. drive

1+00 13⁵ Rt. = 10" diam pole # Z119

0+58 40' Lt. ℄ 9' wide Conc. drive

0+35

= 0+00

5+79⁶³ = Ely. line Noyes

5+61² = 40³ Lt. sly end existing ob. + A.C. pave

℄

5.48
1.91
1.05 4.62
75 41'
Conc.

2.4 1.5 0.5 0.0 -1.0 -1.2 -1.4 -1.5
4.1 5.0 6.0 6.5 7.5 7.7 7.9 8.0
50 40 20 1 M 20 M 40 M 60 M

4.41 2.10
2.12 4.43
71 40
Conc. pave

1.8 1.4 1.0 -0.5 -1.1 -1.2
4.7 5.1 5.5 7.0 7.6 7.7
40 20 1 20 40
M M M

2.2 1.7 1.5 -0.8 -1.3 -1.5
4.3 4.8 5.0 7.3 7.8 8.0
40 20 5 20 40
M M M

2.94 2.34
3.59 4.21
40³ C
Ob 40³
end

6.53

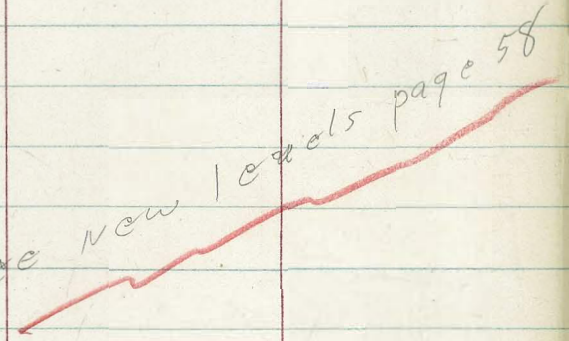
Oliver

2+83 — 30' Rt. = edge of slough

Note: M. - denotes Marsh
S - denotes in Slough

2+80 — 40' Rt. = edge of Slough.

2+50



2+00

1+75

1+60 — 42' Lt. = ℄ 9' wide Conc. Drive

1+50

℄	-0.9	-1.8	-2.0	-3.5	-3.5
1.2	8.0	8.9	9.1	10.6	10.6
5.9	M	15	30	32	40
50		M	M	S	S
6.1					
40					
1.0					
6.7					
37					
0.4					

	-0.9	-1.7	-2.1	-3.5
1.2	8.0	8.8	9.2	10.6
5.9	M	15	40	42
50		M	M	S
6.1				
40				
1.0				
6.7				
37				
0.5				

	-1.2	-2.1	-2.2
1.7	8.3	9.2	9.3
5.4	M	20	40
45		M	M
5.8			
40			
1.3			
6.7			
36			
0.4			
7.7			
17			
-0.6			

	-0.9	-1.9	-2.0	-2.2
2.3	8.0	9.0	9.1	9.3
4.8	M	12	40	100
40		M	M	M
5.1				
37				
2.0				
6.2				
35				
0.9				
6.9				
20				
0.2				

	-0.6	-1.3	-2.0
2.7	7.7	8.4	9.1
4.4		10	40
45		M	M
4.9			
40			
2.2			
6.0			
37			
1.1			
6.6			
20			
0.5			

6.48	2.51	
0.66	4.63	~~4.63~~
74	42	
Cor		

	-0.4	-1.6	-1.6
2.2	7.5	8.7	8.7
4.9		12	40
45		M	M
5.3			
40			
1.8			
6.0			
38			
1.1			
6.8			
20			
0.3			

7.14

Oliver

4+02 – 13' Rt. = 10" Pole # 2171

3+90 – 54' Lt. = ℄ 3' wide brick in Mortar walk

Fill of street sweepings – sand – etc.
From here on F denotes loose

3+80

3+73 – 38 3/4 Lt. = 12" pole # 2160

3+56 50' Lt. = ℄ 4' wide Conc. walk

3+30

3+11 45 6/12 Lt. = ℄ 4' wide Conc. walk

3+00

T.P.	7.16	7.16	7.14	0.00					

					4.14	3.60			
					3.02	3.56			
					64	54			
					2.7	2.6	2.1	– 2.4	– 2.6
					4.15	4.16	5.1	9.6	9.8
					40	30 F	10 F	M	40 M
						3.68	2.64		
						3.48	4.52		
						60	50		
3.8	1.9	1.2	1.2	0.7		– 3.6	– 3.5	– 2.5	– 2.5
3.14	5.13	6.10	6.10	6.5		10.8	10.7	9.7	9.7
70	50	40	25	F		S 10'	18 S	20	40
						2.67	1.66		
						4.49	5.50		
						55 6/12 walk	45 6/12		
3.1	0.9	– 0.5	– 0.1			– 0.3	– 3.4	– 3.6	– 2.6
4.1	6.3	7.7	7.3			7.5	10.6	10.8	9.8
60	40	10	F			15 F	16 S	40 S	45

7.16

Oliver

℄

5+79.45 = Ely Olney St.			-2.3 9.5 40 S	-2.4 9.6 S	-2.2 9.4 40 S
5+70			-1.8 9.0 40 M	-1.5 8.7 M	-1.6 8.8 40 M
5+44	14' Rt. = deadman 45' Rt = deadman				
5+13	14' Rt. = Pole # 4178	12" diam			
4+99.45 = wly line Olney			-1.9 9.1 40 M	-1.7 8.9 M	-1.7 8.9 40 M
4+50			-2.1 9.3 40 M	-2.0 9.2 M	-2.0 9.2 40 M
4+15			-3.3 10.5 50 M	-2.7 9.9 40 M	-2.3 9.5 20 M	-2.3 9.5 M	-2.1 9.3 40 M
4+05			-2.7 4.5 50 F	-2.7 4.5 40 F	-2.3 9.5 20 M	-2.4 9.6 M	-2.1 9.3 40 M

7.16

Oliver St

			4.45	40.37 ✓
T.P.	6.00	44.82	0.40	38.82
T.P	12.60	39.22	0.36	26.62
T.P	11.10	26.98	0.11	15.88
T.P.	7.98	15.99	1.20	8.01
T.P	9.24	9.21	7.19	-0.03
		7.16		

S.E. 7' L+T. Reed + Lamont

Pacific Beach Drive

5-6-53

Lamont to Morrell W.O. 32052

C.H.S.
Begg
Altman
Schelin

Ref. - T.P. Sheet 160C
T.P. Book 20 - page 20

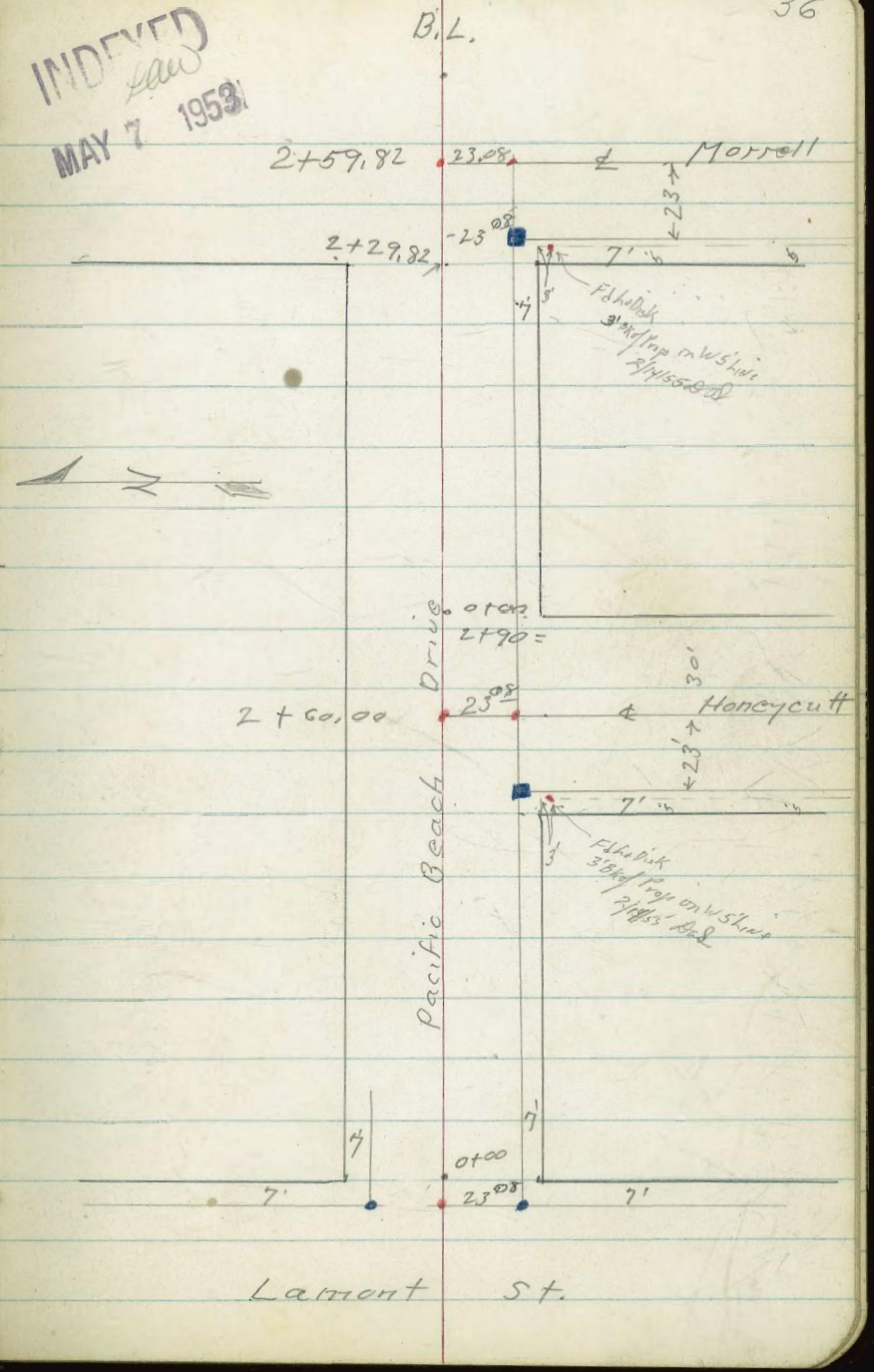
■ denotes Fd. Conc. Mon
● " Fd L+T
• " Set Nail

B.L. = 23.08 ± North of Sly. line P.B.Dr.
see T.P. Book 20 / page 20

Soil Sample from
20' North of Sly line P.B.Dr.
20' west of Wly. line Honeycutt.

INDEXED
JUN 25 1953

INDEXED
MAY 7 1953



Pacific Beach Drive

T.P. 3.82 38.92 3.48 35.10

0+01 - 15' Rt. = end conc. ch.

30' Rt = start chain link fence to be used as it is N.G.)
(This pavement is not to
End rock + oil pave.

0+00 = Ely. line Lamont = New C.L.
15' Lt. = end ch. Pave

0-10 15 Rt, 15 Lt } = E.C. 10' Rad. ch. Rot.
on New Cold Lay pave

25 Rt, 241' Lt } = B.C. 10' Rad. ch. Rot.

0-20 = Ely ch. line Lamont
Rock + oil Pave.

B.M. #1 3.48 38.58 — 35.10

Notes reduced
5-12-53
R.L. Larson

B.L

34.16
4.42
15
ch.

35.2 35.2 35.16 34.18 33.4 32.9
3.4 3.4 3.42 4.40 5.2 5.7
40 30 25 25 30 40
N.E. Cor. walk S.E. Cor walk

35.10 35.00 34.43 34.34 33.60 34.17 34.22
3.48 3.55 4.1 4.2 4.9 4.41 4.36
20 15 15 15 15 20
S.E. Cor. walk ch gut on C.L. gut ch N.E. Cor walk

34.23
34.44 35.55 34.26 4.35 33.60
14.9 14.9 14.9 14.9
gut Top ch E.C. Top ch E.C. gut

36.0 35.40 35.00 34.38 33.29 34.00 31.85 32.45
2.6± 3.18 3.58 4.20 5.29 4.58 6.73 6.13
80 80 30 30 30 30 80 80
ch ch ch G G ch G ch

34.98 34.33 34.37 34.10 33.66 33.34 34.12
3.60 4.25 4.21 4.48 4.92 5.24 4.46
249 249 15 15 25 25
ch B.C. ch 38.58 (Carson) ch B.C.

N.E. 7' Lt. Lamont + P.B. Drive

1+09- 28' Rt. = end picket fence.

1+07- 30' Lt. = start conc. slab.

1+00

T.P 4.45 37.13 6.24 32.68

0+70 26' Lt. = ℄ 3' conc. walk

0+60

0+59 - 16' Rt. = 14" pole # 1913

0+53 30' Rt. = 4' diam pepper tree

30' Rt. = end chain link fence.

0+50 25' Rt. = start picket fence

0+30

0+13 30' Lt. = start picket fence.

34.23
2.90
30' Lt
slab

34.1 32.9 32.7 32.1 32.1
3.0 4.2 4.4 5.0 5.0
30 11 15 30

37.13

34.56 34.33 34.32
4.36 4.59 4.60
36 30 26' Lt
on walk

33.9 33.6 33.0 32.7 32.4 32.9 32.6
5.0 5.3 5.9 6.2 6.5 6.0 6.3
30 20 13 13 15 30

34.5 34.3 33.9 33.2 33.0 33.0 32.4 32.3
4.4 4.6 5.0 5.7 5.9 5.9 6.5 6.6
40 30 18 12 15 30 40

38.92

P.B. Drive

B.L.

T.P. 3.26 36.03 4.36 32.77

2+00

1+87 17' Lt. / 22' Rt } = 6" diam tree

1+82 - 17' Rt. = 12" pole #1941

1+74 - { 30' Lt = start picket fence. / 29 Lt = end picket fence

1+73 30' Rt. = end picket fence.

1+65 - 15' Lt. = 10" acacia

1+50

1+43 - 16' Lt = 5" Acacia

1+32 - { 31' Rt. = ℄ 9 wide porch / 23' Rt. = ℄ 3' Conc. walk

1+26 22' Rt = (W)

1+24 { 32.5 Lt. = 3' Eucalyptus / 16.8' Lt. = 6" Eucalyptus / 27.5 Rt = start picket fence

1+21. 30.6 Lt = end slab.

34.2 34.1 33.4 32.9 32.5 32.2

2.9 3.0 3.7 4.2 4.6 4.9

30 15 13 14 30

34.1 33.9 33.2 32.8 32.4 32.1

3.0 3.2 3.9 4.3 4.7 5.0

30 13 11 15 30

32.23 32.22 32.22 32.2

4.90 4.91 4.91 4.9

23 30 31 32

walk ↗ Porch floor

34.57 34.31

2.56 2.82

40 30.6

slab.

37.13

P.B. Dr.

0+60 30' Lt. = start 4" high wall conc.

0+50

0+46 - 21' Lt. = (XI)'

0+20 31' Lt. = ℄ 8' conc. drive.

= 0+00 }
2+90 } = Ely. Honeycutt

2+60 - 1' Rt. = Sewer M.H.

2+37 - 30.3' Lt. = end picket fence.

2+30 = wly. Honeycutt

2+05 - 23' Rt. = 1' diam tree

B. L.

31.4
4.6
30
End

31.8 30.8 30.3 30.6
4.2 5.2 5.7 5.4
30 12 30

33.35 32.23 32.2 31.5 31.0
2.68 3.80 3.8 4.5 5.0
60 31 30 30
Gar. Floor drive

32.6 32.8 31.9 31.7 31.2
3.4 3.2 4.1 4.3 4.8
30 14 12 30

33.5 33.3 32.1 32.2 11.7 31.6
2.5 2.7 3.9 3.8 24.3 4.4
40 30 1 1 30
Rim I.E

33.8 33.5 33.0 32.7 32.0 32.2
2.2 2.5 3.0 3.3 4.0 3.8
30 15 13 15 30

36.03

P. B. Dr.

T.P.	2.61	29.36	9.28	26.75

1+69 25' Rt. = end drive

1+56 25' Rt. = start conc. drive

1+48 22' Rt. = (VI)

1+35 21' Lt. = (VI)

1+30 - 18' Rt. = dead man

1+20 30' Lt. = ℄ 3' conc. walk

1+10 - 30± Lt. = end 4' conc. wall

1+06 17' Rt. = 10" pole # 1973

1+02 - 21± Rt. = (VI)

1+00

0+98 30± Lt. = ℄ 3' walk thru wall.

33' Rt. = ℄ door way to house

0+75 - 25± Rt. = ℄ 3± conc. walk.

B. L. 41

						27.43		27.51
						8.60		8.52
						25 drive		30
	27.6	27.5	27.3		27.3	27.57	27.66	27.93
	8.4	8.5	8.7		8.7	8.46	8.37	8.10
	30	15			15	25 drive	30	41 Gar. floor

28.92	29.18	28.9	28.7		28.9	29.2	29.0
7.11	6.85	7.1	7.3		7.1	6.8	7.0
35	30 walk	13			12	13	30
29.9							
6.1							
30±							

30.5	30.4	29.6	29.4		29.4	29.5
5.5	5.6	6.4	6.6		6.6	6.5
40	30	20			12	30
30.38		30.33				
5.65		5.70				
40 walk		30± walk				

30.45	30.47	30.9
5.58	5.56	5.1
25±	30	33 Floor

36.03

P. B. Dr.

S.L.T. Mon Morrell + P.B. Dr.

602 2334

2+89.82 = Ely Morrell

See Morrell St X-Sec.

2+59.82 = ℄ Morrell

2+29.82 = wly line Morrell

2+10 – 31 L Rt = end walk

2+00

1+84 – 31 R Rt = start 3' wide E. + W. conc. walls.
30 L Rt. = end wall

1+69 L – 30 R Rt. = start 5' high brick wall

B. L.

20.8	21.6	21.6		21.6	22.4	22.6
8.6	7.8	7.8		7.8	7.0	6.8
30	20			17	20	30

19.3	22.5	23.1		23.5	24.3
10.1	6.9	6.3		5.9	5.1
130	30			30	130

23.2	23.7	24.3		24.4	25.2	25.3
6.2	5.7	5.1		5.0	4.2	4.1
30	15			24	26	30

25.95
3.41
31 L walk + end.

24.6	25.0	25.6	25.4	25.5		25.6	26.2	26.2
4.8	4.4	3.8	4.0	3.9		3.8	3.2	3.2
40	30	17	13			17	25	30

26.6
2.8
30 T
End.

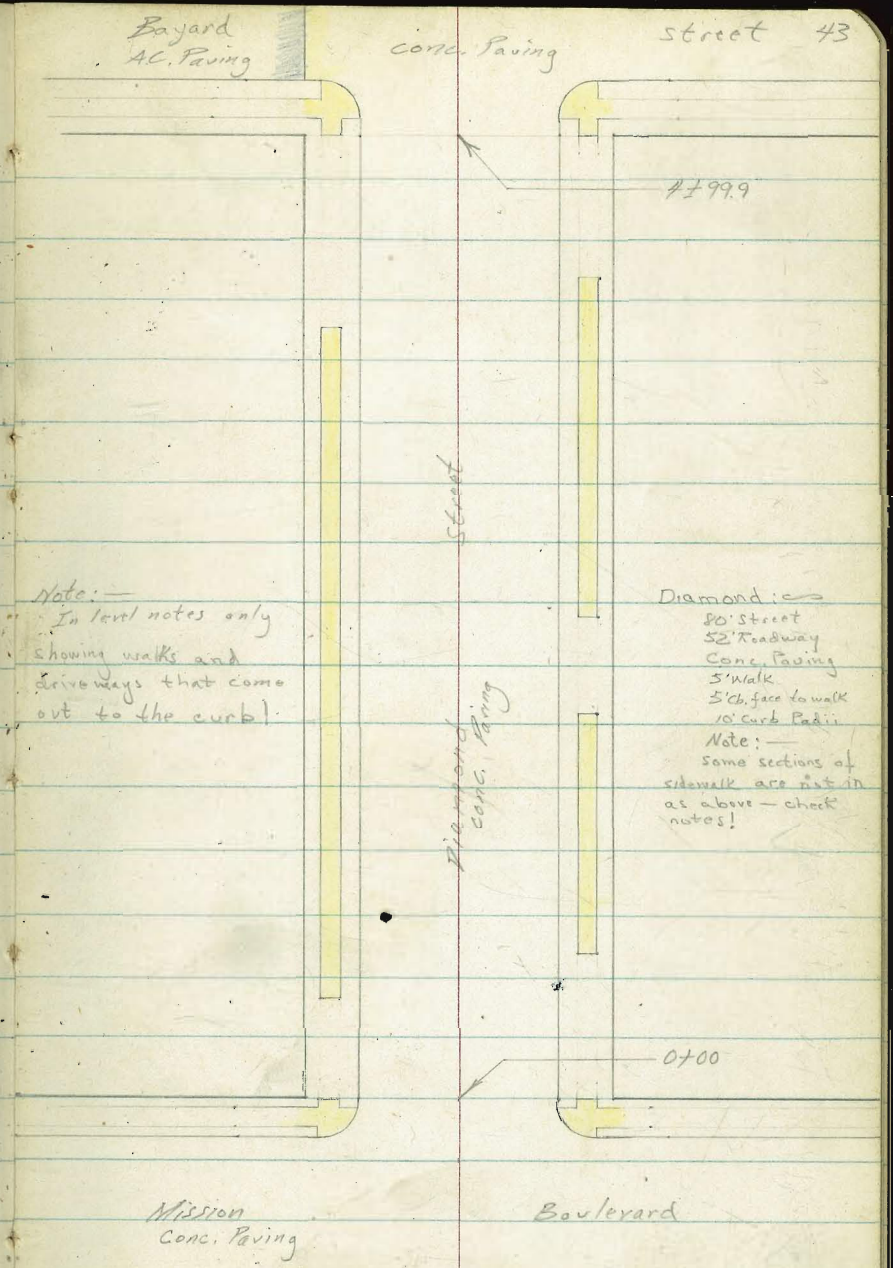
26.66
2.70
31 3
walk

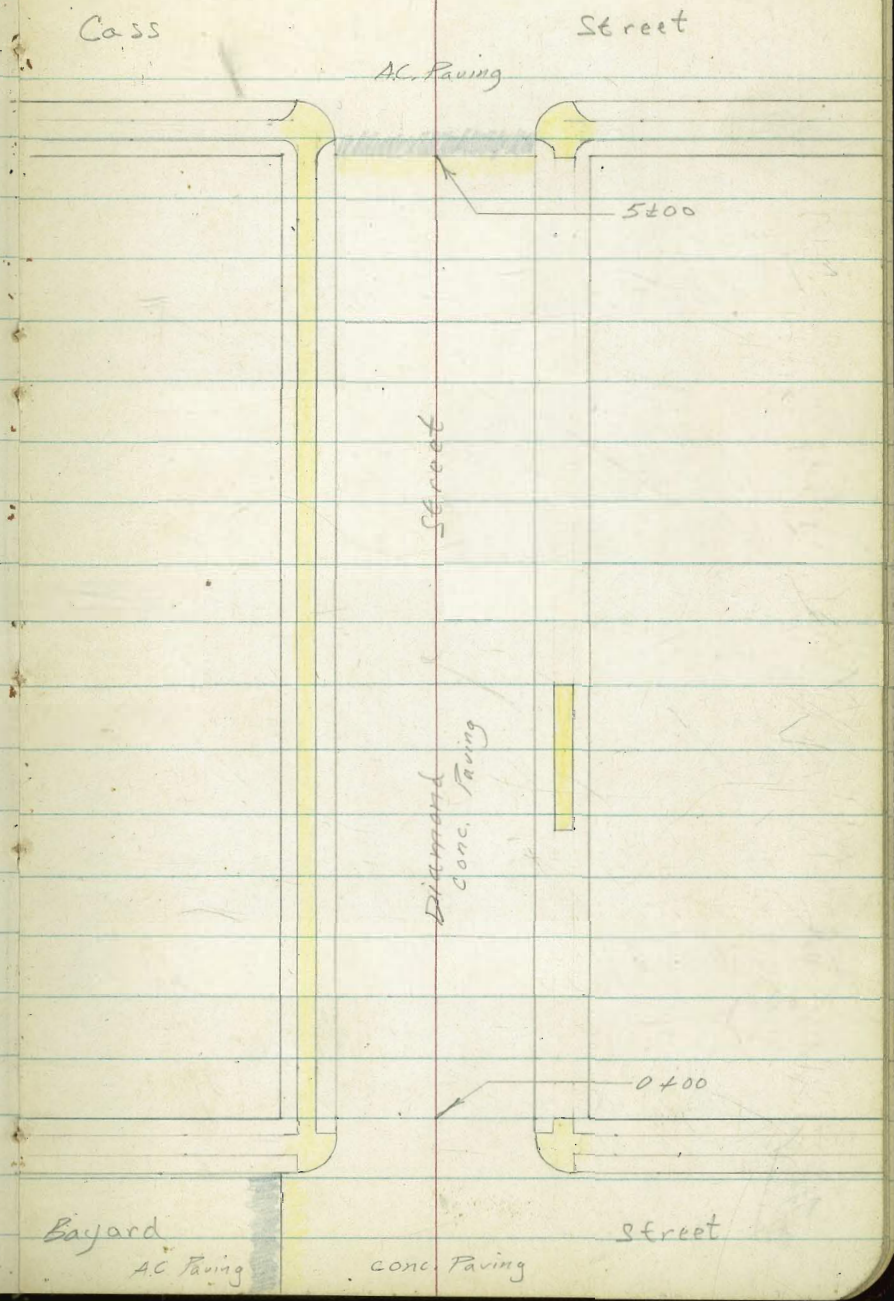
26.4	27.1	26.7	26.8		26.8	27.3	27.2	26.5
3.0	2.3	2.7	2.6		2.6	2.1	2.2	2.9
30	15	12			12	16	30	30 T
								B.W.
								T.

29.36

Roberts
Cota
Moore
Moralez
10-28-53
W.O.# 32144

Survey For Street Lights & Walks
Diamond Street
Mission Blvd to Cass




Cass
Street
A.C. Paving
5+00
Street
Diamond
conc. Paving
0+00
Bayard
Street
A.C. Paving
conc. Paving

		Lt	℄	Rt
1+91.2	~ ℄ 3° conc walk on Left			
1+53.4	~ ℄ 2° conc. walk on Left			
1+33.5	~ ℄ 2½ conc. walk on Left.			
1+26.6	~ ℄ 3½ conc. walk on right			
1+07.5	~ ℄ 10' Conc. Drive on Right			
0+75	~ Begin walk on Right			31.73 31.84 31.90 32.0 26 30.4 35.4 40 cb Walk
0+52.9	~ Begin walk on Left	33.4 32.95 32.82 32.53 40 35.4 30.4 26 Walk cb		
0+30		33.1 32.25 40 26 cb		31.27 31.4 26 40 cb
0+00	{ End of Walk on Rt. and Lt. Ely Line Mission Blvd.	32.7 32.29 32.23 32.01 40 36 31 26 Walk cb		31.07 31.16 31.20 31.2 26 31 36 40 cb walk
BM	SWBP 30.92 Diamond & Mission			

Lt ℄ Rt 46

3+99.6 ✓ End walk on Left

36.8 36.60 36.50 36.38
40 35± 30± 26
walk cb

3+79.8 ✓ ℄ 10° conc. Drive on right

3+08.1 ✓ ℄ 14° Conc. Drive on Left

2+94.8 ✓ ℄ 10° conc Drive on right

2+84.3 ✓ ℄ 3° conc walk on Left

2+53.7 ✓ ℄ 2± conc. walk on Left

2+51.7 ✓ ℄ 3° conc. walk on right

2+50.2 ✓ Begin walk on Right

33.50 33.56 33.65 33.6
26 30± 35± 40
cb walk

2+27.1 ✓ ℄ 2± conc. walk on Left

1+99.8 ✓ End of walk on Right

33.99 33.11 33.15 33.2
26 30± 35± 40
cb walk

Lt ℄ Rt

1+25 ✓ ℄ 3° conc walk on Left.

1+07.4 ✓ ℄ 13° conc. Drive on Left

0+75

37.34 38.0
26 40
cb

0+40.2 ✓ {℄ of Garage on Rt., Drive not in, nor is the curb broken for drive openning

0+00. {End of walk on Right
Ely Line of Bayard

36.46 36.55 36.57 37.4 37.4
26 31 36 36.5 40
cb walk

4+99.9 {Begin walks both sides,
Wly Line Bayard

37.7 37.54 37.47 37.47
40 36 31 26
walk cb

35.98 36.02 36.05 36.2
26 31 36 40
cb walk

4+50

37.7 36.89
40 26
cb

35.44 35.7
26 40
cb

4+24.3 ✓ End walk on Right

35.17 35.25 35.31 35.4
26 30.5 33.5 40
cb walk

4+23.3 ✓ ℄ 2° conc walk on Right

3+48.5 ✓℄ 2° Conc walk on Right

3+42.7 ✓℄ 12° Conc walk on Left

3+06.5 ✓℄ 12° Conc walk on Left

3+05.2 ✓℄ 11° Conc Drive on Right

3+00

40.35 40.3
26 40
cb

2+91.2 ✓ ℄ 13° Conc Drive on Left

2+25 ✓ End of walk on Right

39.33 39.46 39.55 39.4
26 31 36 40
cb walk

1+87.3 ✓℄ 3° Conc walk on Right

1+60.3 ✓℄ 14° Conc Drive on Left

1+50 ✓ Begin walk on Right

38.34 38.43 38.55 38.7
26 31 36 40
cb walk

5+00 { Begin walk on Right w/y Line Cass

4+70.2 ℄ 11° brick walk on Left

4+59 ℄ 3° conc walk on Right

4+32.8 ℄ 10° conc Drive on Right

4+30.3 ℄ 24° Conc. Drive on Left

4+17.8 ℄ 10° conc. drive on Right

4+00

3+90.9 ℄ 3° conc walk on Right

3+51.2 ℄ 2° Conc. walk on Right

42.99 43.04 43.09 43.1
26 31 36 40
cb walk

41.73 42.1
26 40
cb

Roberts
Moore
Morales
12-30-53
W.O. # 2006

X-Section Block 308 Pacific Beach
Between Oliver & Pac. Bch. Dr.
From Morrell to Noyes
(For Yardage to be Dumped by Griffith Co.)

1+35 — See page 53 for RC · Cross Sec.

1+20

1+00

T.P. 1.61 17.67 ⊼ 9.25 16.06

0+50

(Dwelling in SW Part of Block)

0+50 to 1+25

0+00 East Line Morrell Street

BM 0.97 24.31 ⊼ 23.34 SE 7" Nom Morrell & Pac. Blvd. 24.31 ⊼

		13.0	12.1	17.6	6.7	7.4	9.8	12.5	14.7	15.6
4.7	5.6	10.1	11.0	10.3	7.9	5.2	3.0	2.1		
125	100	44		8	40	70	94	125		

12.9	11.6	5.1	7.2	8.6	15.6	15.8	16.4	16.6	
4.9	6.1	9.6	10.5	9.1	2.1	1.9	1.3	1.1	
125	100	56	15		15	50	100	125	

12.3	10.4	8.7	7.8	9.0	11.0	16.5	
5.4	7.3	9.0	9.9	8.7	6.6	1.2	Improved (Graded, good cen Ave.
125	100	71	29	6		15	

17.67 ⊼

11.5	10.6	9.8	12.6	15.2	16.4	16.4	15.1	18.7	
12.8	13.7	14.5	11.7	9.1	7.9	7.5	6.2	5.6	
125	100	64	31		10	50	100	125	

13.1	13.0	15.4	15.6	17.5	18.6	19.9	20.8	
11.2	11.3	8.9	8.7	6.8	5.7	4.4	3.5	
125	100	68	50		50	100	125	

Contd From Page 50

4+00

T.P. 2.61 8.20 ℄ 12.08 5.59

3+50

3+00

2+60

2+15

1+83

17.67 ℄

℄ Acq

8.20 ℄

17.67 ℄

Contd From Page 51

℄
Alley

check			3.25	23.34 = 23.34
T.P.	7.75	26.59	0.36	18.84
T.P.	11.53	19.20	0.53	7.67

5700 West Line Noyes

5.3	6.0	7.2	9.8	10.1	10.5	9.6
125	100	50		50	100	125

4450

2.5	3.6	5.0	7.1	8.0	7.9	6.3
125	100	50		50	100	125

8.20 ⊼

8.20 ⊼

Begg Schelin puller

Re cross section of BIK 308 - P.B. 1-29-54

See page 50

Note / Rods on pages 50-51 & 52 south of south line of alley are at unchanged C.H.S. 1-29-54

1+83	12.8	12.6	13.0	13.0	9	5.9	5.7	
	125	50	10	6		8	10	
1+35	14.0	14.2	14.5	14.6	12.0	8.4	8.7	
	~~14.0~~	~~12.3~~	~~+3.0~~	~~+2.9~~				
	125	50	10	4		7	10	
1+20	14.1	14.7	15.4	15.0	13.0	10.8	12.6	
	125	50	10	3		4	10	
1+00	14.7	15.5	16.1	15.9	14.0	12.0	14.0	
	125	50	10	3		3	10	
0+50	15.4	16.7	17.4		17.2	15.5	16.3	
	125	50	10			4	10	
0+00 E line Morrell St	15.8	7.6	8.4		18.3	17.8	18.0	
	125	50	10			3	10	

23.53

P.B Drive & Morrell

5+00 W. Line Noyes	3·8	0.7	-1·0	-1.0	-1·2	-1.6	
	3.8	10.7	9·0	9.0	8·8	8.4	
	125	50	25	10		10	
4+50	6·2	3.7	2·2	2·3		1.5	
	125	50	10			10	
4+00	8·0	5·3	4·0	4·3	3	4	3·2
	125	50	10	4			10
3+50	9·1	6·8	5·7	5·8	5	4	5·5.
	125	50	10	3			10
3+00	10.3	8.2	8·2	8·3	7·8		7·8
	125	50	10	2			10
2+60	11·0	9·8	10·0	9·8	8·9		8·7
		50	10	3			10
2+15	12.2	11·4	11·6	11·7	8 6	7.4	6.8
	125	50		10	5	2	10

5+40 ℄ Notes

+1.2 −1.3 −1.4 −1.6 −1.7 −1.7
12 ✓ .50 50 10 50

Oliver

Cross Section from Morrell to Noyes for change in yardage
1-29-54
C.H.S.
Begg
Scholin
Pullen

W.O.# 32052

sketch P-17

Note { Elevations north of ℄ are unchanged. See page 26 for Elev.

Notes reduced 2-3-54 [illegible]

	14.9	14.7	13.8	14.6	14.7
1+00	4.6	4.8 (15)	5.7 (20)	4.9 (25)	4.8 (40)
	14.5	14.3	15.3	15.6	
0+50	5.0	5.2 (15)	4.2 (22)	3.9 (40)	
	14.8	14.7	15.9		
0+00 = Ely. line Morrell	4.7	4.8 (20)	3.6 (40)		

19.49

B.M.#1	3.62	19.49	15.87

T.P. - Nail in pole # 2015 (page 26)

Olivet

T.P.	0.35	9.76	10.08	9.41
4+00				
3+50				
3+00				
2+50				
2+00				
1+50				

8.6		8.3	9.3	8.7	8.0
10.9	11.2		10.2	10.8	11.5
	12		13	20	40
9.8		9.4	9.1	9.4	9.0
9.7	10.1		9.4	10.1	10.5
	12		13	20	40
11.1		10.7	10.9	10.1	10.2
8.4	8.8		8.6	9.4	9.3
	11		15	20	40
12.1		11.4	12.4	11.2	11.3
7.4	8.1		7.1	8.3	8.2
	12		14	19	40
13.3		13.3	12.6	12.6	12.8
6.2	6.2		6.9	6.9	6.7
	8		15	30	40
14.4		14.1	13.6	13.5	
5.1	5.4		5.9	6.0	
	15		25	40	

19.49

Oliver

2+75

2+50

See page 61 for ditch on south.

2+00 Set stub on ℄ (P-17)

0+00 to 2+00 unchanged (page 31)

T.P. 5.73 4.97 5.43 -0.76

0+00 = Ely line Noyes (sketch P-17)

1.04 4.67 — 3.63

B.M. chisel □ page 27 6.15 3.61 (3.63)

4+99 63 = Wly line Noyes

4+50

℄

1.0	0.4		-0.9	-1.2	-1.0
4.0	4.6	5.9		6.2	6.0
40	36			20	40

1.5	1.2	0.3	-1.0	-1.1	-1.0
3.5	3.8	4.7	6.0	6.1	6.0
40	35	34		20	40

2.4	2.0	0.9	-0.8	-2.2	-2.0
2.6	3.0	4.1	5.8	7.2	7.0
40	37	34		20	40

4.97

chiseled □ Nly. end N.W. Ret. Noyes + Oliver

3.5	3.3	4.0	3.7
6.3	6.5	5.8	6.1
	13	14	40

6.4	6.1	7.1	6.1
3.4	3.7	2.7	3.7
	15	16	40

9.76

Oliver

3+90 83' Lt.= sly. face house

3+65

3+56 83' Lt.= sly face house

3+20

3+11 83' Lt.= sly face house

T.P. 6.62 8.09 3.50 1.47

3+00

2+85

4.91
3.18
.83
Floor. Elev.

2.3	1.8	1.8	2.1	-2.5	-2.8
5.8	6.3	6.3	6.0	10.6	10.9
40	20		25	34	40

5.29
2.80
.83
Floor el.

1.0	0.5	0.4	0.5	-2.6	-2.6
7.1	7.6	7.7	7.6	10.7	10.7
40	32		30	38	40

4.26
3.83
.83
Floor level

8.09

0.8	0.0	-0.4	-1.0	-3.1	-3.1
4.2	5.0	5.4	6.0	8.1	8.1
40	20		30	36	40

0.6	-0.9	-1.0	-3.3
4.4	5.9	6.0	8.3
40		35	40

4.97

Oliver

4

60

4+99[45] = wly, Olney

-2.0	-1.9	-1.9	-1.9	-1.9
10.1	10.0	10.0	10.0	10.0
40	20		20	40

4+87

3.7	3.9	4.1	4.1	-1.9	-2.3
4.4	4.2	4.0	4.0	10.0	10.4
40	20		10	15	40

4+50

3.3	3.1	3.0	3.0	-2.0	-2.2
4.8	5.0	5.1	5.1	10.1	10.3
40	20		20	25	40

4+00

2.8	2.6	2.7	2.8	-2.4	-2.3
5.3	5.5	5.4	5.3	10.5	10.4
40	20		20	25	40

8.09

Line of ditch South of Oliver Between Noyes + Olney.

2-1-54

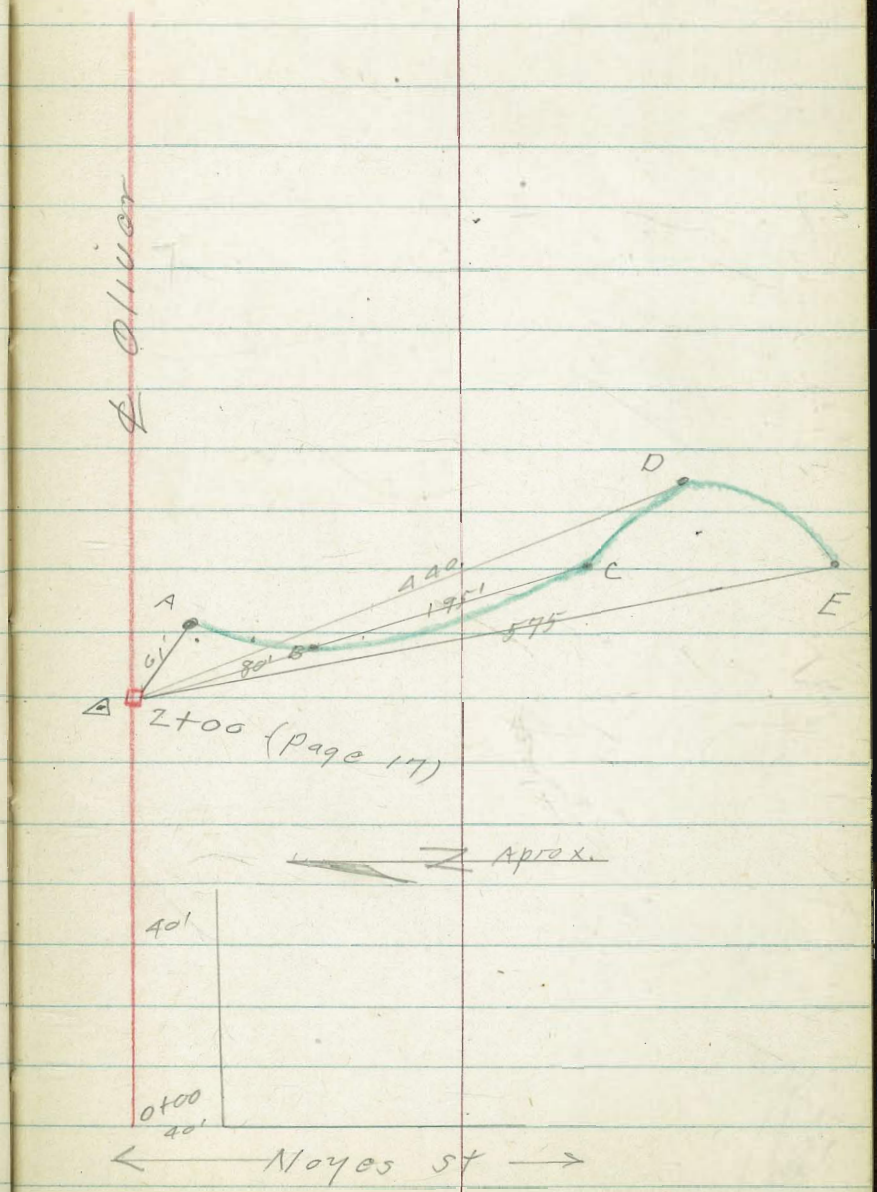
△ = ℄ - sta. 2+00 page 17.

All angles turned off tang. to East, which is ℄ Oliver.

Green line = ℄ 15' to 20' wide ditch

E	∠ 79° Rt.	575.00'
D	∠ 69° - 40' Rt	440.00'
C	∠ 74° - 40' Rt.	275.00'
B	∠ 74° - 40' Rt	80.00'
To Point A	∠ 36° Rt.	Dist = 61.00'

△ = 2+00 - Page 17.



Additional Notes Alley Blk 282

Also S½ Blk 282 - Pac. Beach

2-2-54

W.O. 32052

C.H.S.
Bagg
Pullen
Schelin

For sketch see FB 1726 / 40

Note

stationing same as in FB 1726 / 40

See Loose Leaf C.A. 7/1/57.

3+15

3+00

2+97 10± Lt. = end same

2+54 10± Lt. = start conc. apron to 4 car Gar.

T.P.	1.29	34.44	7.45	33.15
	0.23	40.60	—	40.37

26.2 / 8.12 / 50

25.8 / 8.6 / 20

26.5 / 7.9 / 10

27.3 / 7.1

27.1 / 7.3 / 10

26.1 / 8.3 / 15

27.9 / 6.5 / 50

31.4 / 3.10 / 10

31.1 / 3.3

31.1 / 3.3 / 10

32.41 / 2.03 / 1A / Gar. floor

31.40 / 3.04 / 10± / apron

32.48 / 1.96 / 1A / Gar. floor

32.36 / 2.08 / 10± / apron

34.44

S.E. 7' L+T. Lamont & Reed

T.P. A.83 28.74 10.53 23.91

4+15 { 81' Rt. = N.W. Cor { 22' E+W / 34' N+S } House

Footing is 00.2 in alley wall

4+00 5 10½ Lt. = start 6' high Conc. block

4+00 15¼ Rt. = ± conc. apron to Sing. Car

3+80 - 80' Rt. = N.W. Cor { 22' E+W / 34' N+S } stucco House

3+75

3+45

						21.9	22.2	21.2		
						12.5	12.2	13.2		
						11.5	11.5	13.5		
						Grd	Floor level			
			23.6	22.2		22.5	22.7	22.0		
			10.8	12.2		11.9	11.7	12.4		
			10			10	40	81		
	22.5	23.5								
	11.9	10.9								
	9.8	7.8								
	B.W.	Grd								
25.4	24.4	23.5	27.8	22.3		22.4	22.48	23.17		
9.0	10.0	10.9	11.6	12.1		12.10	11.96	11.27		
50	15	10	7			10	15¼ apron	21½ Over Floor		
						22.1	22.7	22.4		
						12.3	11.7	12.0		
						80	Floor Level	114		
						Grd		Grd		
25.3	24.5	23.0	22.3	22.1		22.3	22.4	22.0	22.2	23.5
9.1	9.9	11.4	12.1	12.3		12.1	12.0	12.4	12.2	10.9
50	14	10	8			10	50	85	110	135
25.5	25.2	24.0	23.7			24.1	24.6	24.4	29.4	
8.9	9.2	10.4	10.7			10.3	9.8	10.0	5.0	
50	10	8				10	25	60	135	

34.44

Continued on page 66

location of points A to D.
see page 63 for details of

20.0
8.7
D
Ord

21.7
7.0
C
Ord. west of wall

20.2
8.5
C
Ord. east + south of wall

22.41
6.33
C
Top of wall

19.4
9.3
C
Base of wall

21.1
7.7
B.
North of wall Ord.

21.9
6.8
B.
Ord west of wall

22.41
6.33
B
Top of wall

19.8
8.9
B.
Base of wall

20.4
8.3
B
Ord. south of wall

23.0
5.7
A
Ord to North + west

23.19
5.55
A
Top of wall

20.5
8.2
A
Base of wall

21.1
7.6
A
Ord to East South East.

4+42 (see page 65)

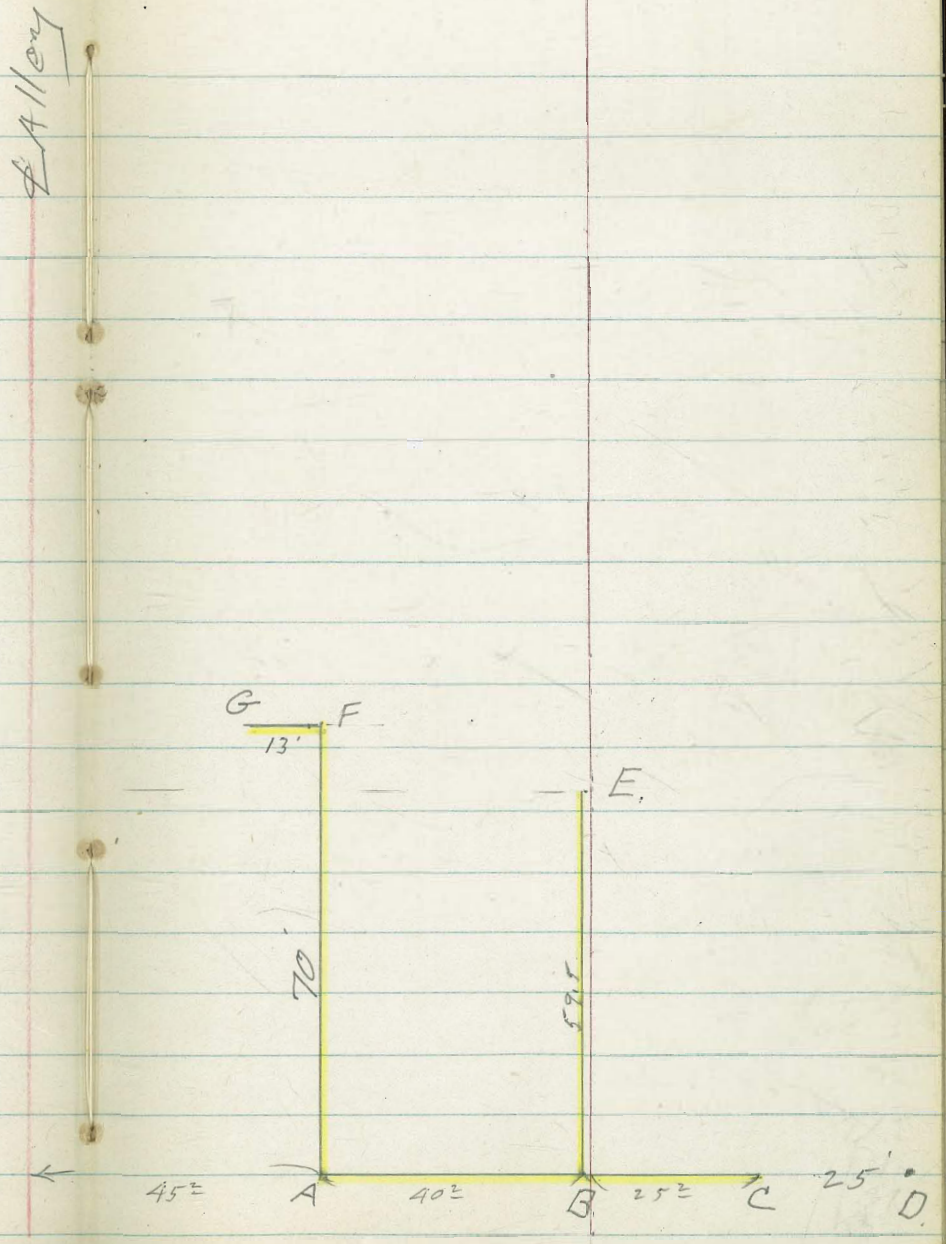
Conc. floor. - No apron
4+23 21' Wt. ± Sing. Garc

21
Ord.

21
Floor

28.74

Alley BLK 282 P.B.



yellow line = Conc. wall.

See page 67

4+99± - 85± At = end wall.

4+42 See page 64

Alley Blk 282 P.B.

4+99± 88' Rt. = N.E. Cor. { 26' N+S / 49' E+W } House

49' Rt. = N.E. Cor. { 24' N+S / 32' E+W }

T.P. 4.84 28.79 4.52 23.95

4+72 12⅝ Rt. = N.W. Cor. { 29' N+S / 27' E+W } House

4+69 48± Rt. = N.W. Cor. { 23' N+S / 32' E+W } House

Conc. drive to Morrell St.
Sing. Cor. east front.

4+65 75' Rt. = ℄ doorway of

T.P. 4.56 28.47 4.83 23.91

Conc. floor

4+50 16± Rt. = ℄ Sing. Cor.

℄

20.6
8.2
88
Floor Elev.

21.2 21.7 20.0
7.6 7.1 8.8
49 49 88
Grd Floor Elev Grd

28.79

23.8 24.37
4.7 4.10
12⅝ 12⅝
Grd. Floor level

21.2 21.62
7.3 6.85
48 48±
Grd Floor level

21.37
7.10
75
Floors

28.47

24.0 22.9 23.0 23.9 24.2 24.25
4.7 5.8 5.7 4.8 4.5 4.49
10 99 10 16 16±
Grd. Base of wall Footing Floor

28.74

5+12 See page 65

4+99 5/9 } 10' Lt. = end wall
9 8/9 Lt. = end footing
= wly line Morrell

4+99 5/9 See page 65

23.3
5.5
G
Ord. to North-west + East

23.7
5.1
G
top of wall

22.4
6.4
G
Base

23.1 21.8 21.3 23.7 20.6
5.7 7.0 7.5 5.1 8.2
F F F F F
Ord to N.W. Ord to East Ord to South top of wall Base of wall

21.3 20.4 20.0 16.9
7.5 8.4 8.8 11.9
46 85 114 135
Ord See page 65

24.8 23.8 24.0 24.0 23.1 23.7
4.0 5.1 4.8 4.8 5.7 5.1
10 9 8/9 10 44 45 1/2
Ord Base top of wall

21.1 20.4 20.4 19.7 22.6
7.8 8.4 8.4 9.1 6.2
E E E E E
Ord to North Ord to South Ord. to East Base of wall top of wall

28.79

Alley Blk 282 P.B. Ser p62 also FB 1726 p40

0+00 Lt ℄ House.

0+40

0+31.5 10' Lt ℄ 2.5' con walk end 6" wall

0+11 10' Lt Brkin grade con wall 6"

0+02 5.3 Lt ℄ 12" gas valve

0+00 10' Rt Begin 3' Picket Fence
10' Lt Begin 6" con wall

0+00 Ely Lamount St end cb's & A.C. pav.

0-17 Cb EC. alley Returns

0-20 Ely Cb Line Lamount

BM 5.92 46.29 40.37 SE ℄ St. Reed & Lamount

Lt = Nly ℄ Rt = Sly 68

40.2 39.9 39.8 40.2 40.6
6.1 6.4 6.5 6.1 5.7
20 10 10 15

40.27
5.82
31.5

40.85 41.29 41.25 40.79 40.8 40.5 40.7 40.8
5.44 5.0 5.04 5.52 5.6 5.8 5.6 5.5
5.2 rim 20 10 top 10 Footing 10 10 20

40.59 41.29 41.15 40.74 40.96 41.05
5.20 5.00 5.14 5.55 5.33 5.24
10 Footing 10 Cb 10 Gut 10 Gut 10 Cb end

41.10 40.79 40.65 40.83 40.95
5.19 5.80 5.44 5.66 5.34
10 Cb EC. 10 Gut 10 Gut 10 Cb EC.

40.89 40.42 41.15 40.71 41.07 40.72 40.65 40.54 40.49 40.47 40.92 40.33 40.65
5.40 5.87 5.14 5.58 5.22 5.57 5.40 5.75 5.80 5.82 5.37 5.96 5.64
65 Gut 65 Cb 35 Cb 35 Gut 13 Cb EC. 13 Gut 10 10 13 Gut 13 Cb EC. 63 Gut 63 Cb

T 46.29

Lt = N/y Rt = S/y

TP 3⁴⁰ 38⁷⁷ 10⁹² 35³⁷

2+00

1+50

1+42 20^{5} Lt E single garage con floor

1+31 10^{0} Lt end con paved area

1+29 12^{7} Rt E Single garage con floor + apron

1+25

1+00 10^{1} Lt Begin con paved area

1+00 9^{3} Rt E 8" PPole ℄ A 1924

6+92 13^{2} Rt E single garage con floor + apron

6+85 10^{0} Rt end 3' Picket Fence

0+80

34.6 35.2 35.3 35.1 35.8 36.0

11^{7}/20 11^{1}/10 11^{0} 11^{2}/4 10^{5}/10 10^{3}/20

36.7 36.8 37.1 37.4 37.7

9^{6}/20 9^{5}/10 9^{2} 8^{9}/10 8^{6}/20

36.94 9^{35}/20^{3} floor

37.79 8^{50}/10^{0} con

38.98 7^{31}/12^{1} apron 39.84 6^{45}/34^{3} floor

38.03 37.8 38.4 38.5 38.9 37.4

8^{26}/10^{1} con 8^{5}/10 7^{9} 7^{8}/6 7^{4}/10 6^{9}/20

38.64 38.96 38.9 37.3 39.3 39.9 40.2

7^{65}/20 con 7^{33}/10^{1} con 7^{4}/10 7^{2} 7^{0}/7 6^{4}/10 6^{1}/20

40.05 6^{24}/13^{2} apron 40.60 5^{69}/18^{7} floor

39.0 39.3 39.4 39.7 39.9

7^{3}/20 7^{0}/10 6^{8} 6^{6}/10 6^{4}/20

T 4/4 29

Lt=N¼ ℄ Rt=S¼

BM starting			5^{95}	410^{36}
TP2	7^{61}	46^{31}	6^{13}	38^{64}
3+00				
2+98 10^{2} Lt end 4car garage conc floor + apron				
2+75				
2+67 62^{0} Rt ℄ double garage conc floor + apron				
2+54 10^{3} Lt Begin 4car garage conc floor + apron				
2+51 9^{0} Rt ℄ 12" P Pole ℄ A1960				
2+50				
2+25				

31.5 31.3 30.9 31.0 31.4 32.2

7^{3}_{15} 7^{5}_{10} 7^{2} 7^{8}_{10} 7^{4}_{12} 6^{6}_{20}

32.42 31.38

6^{35}_{14} floor 7^{39}_{10} apron

32.41 31.93 31.9 32.0 32.3 32.9

6^{36}_{14} floor 6^{84}_{10} apron 6^{9}_{10} 6^{8} 6^{5}_{10} 5^{9}_{20}

34.38 34.42

4^{39} 4^{35}

62^{0} apron 6^{43} floor

32.47 32.34

6^{30}_{14} floor 6^{43}_{10} apron

31.7 32.7 32.9 33.1 33.4 34.0 34.7

7^{1}_{20} 6^{-}_{10} 5^{9}_{9} 5^{7} 5^{4}_{5} 4^{8}_{10} 4^{1}_{20}

33.2 34.1 34.4 34.3 34.5 35.3 35.9

5^{6}_{20} 4^{1}_{10} 4^{4}_{9} 4^{5} 4^{3}_{5} 3^{5}_{10} 2^{9}_{20}

π 38^{77}

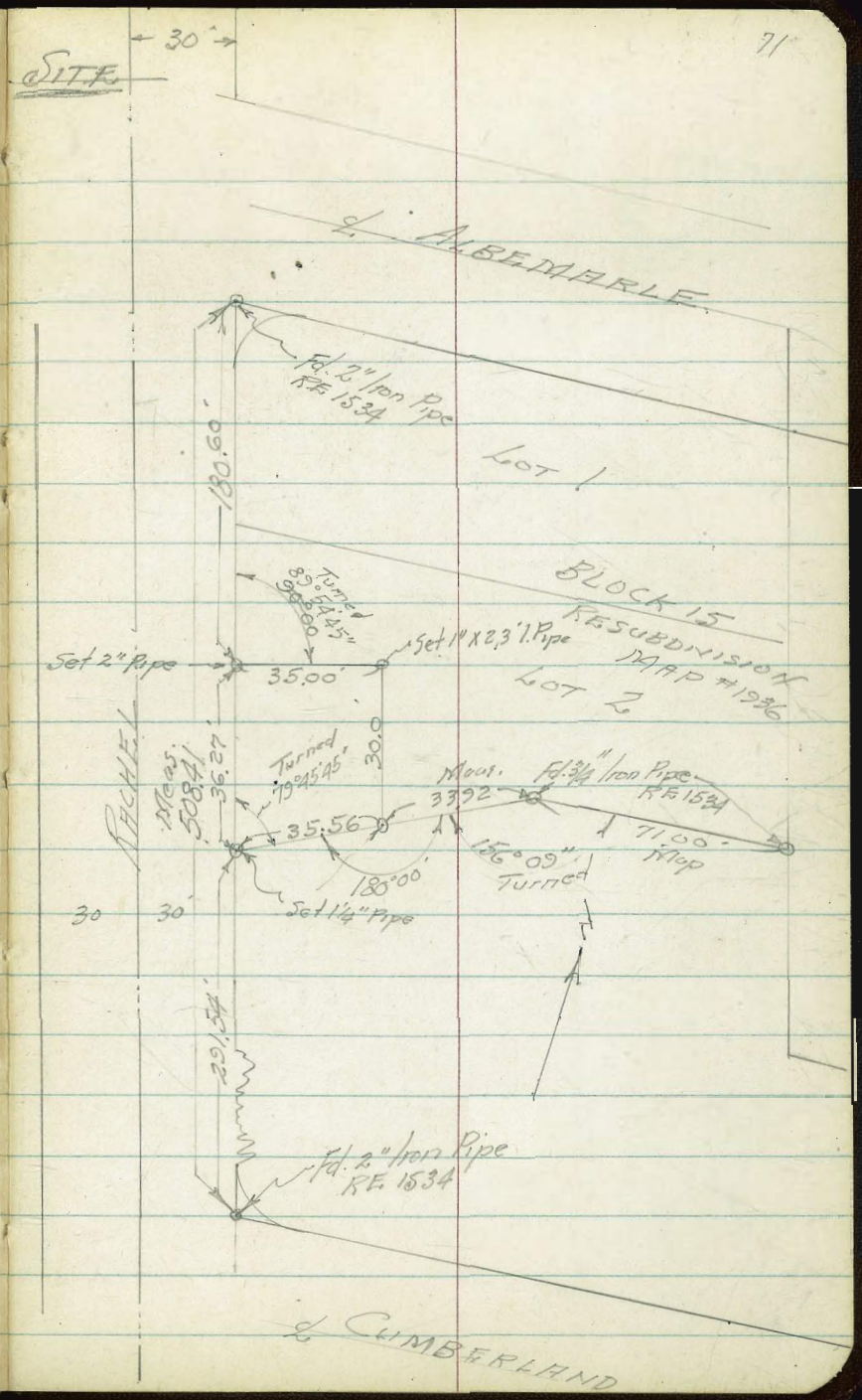
PARADISE HILLS

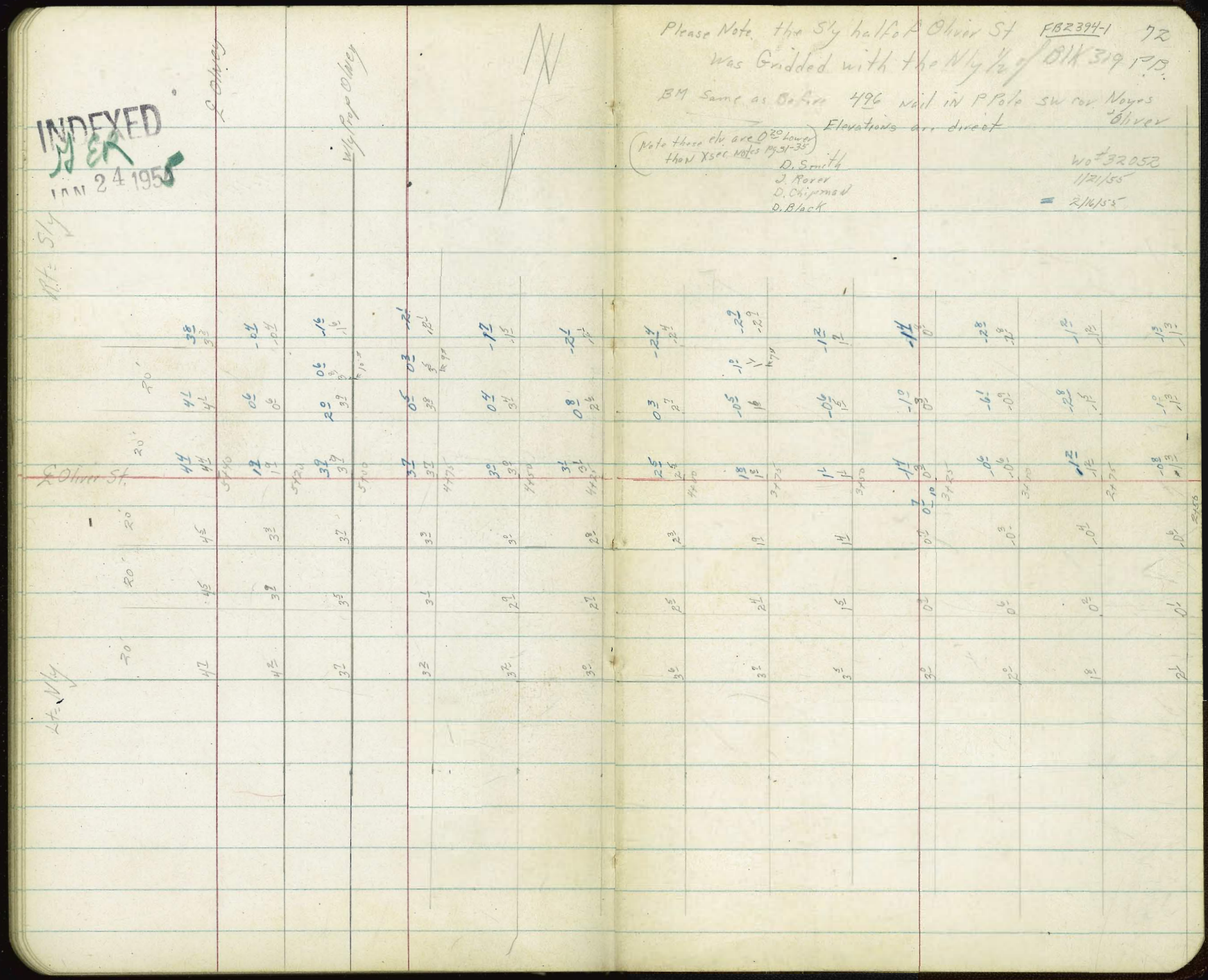
SURVEY SEWAGE PUMP STATION SITE

Walker
Pope
Dittman
Dlovy
8-25-54

IN LOT 2 of RESUBDIVISION Lots 1-12 Inc. PLAN 4094-B WO 20738

All pipes set with Cement And Copper Disc.



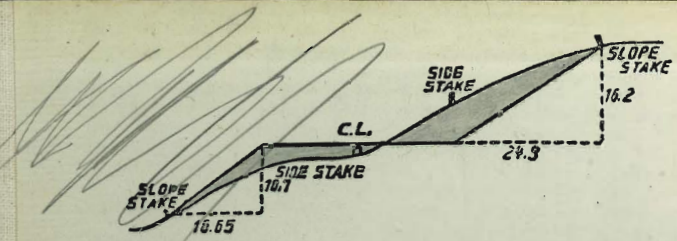

Please Note. the Sly half of E Oliver St was Gridded with the Nly ½ of Blk 319 PB.
FB2394-1
72
BM Same as Before 496 Nail in P Pole SW cor Noyes & Oliver
Elevations are direct
(Note these elv. are 0.30 lower than Xsec Notes Pg 31-35)
D. Smith
J. Rorer
D. Chipman
D. Black
WO # 32052
11/21/55
= 2/16/55
INDEXED
JAN 24 1955
E Oliver
W½ Pope Oliver
E Oliver St.
N½ S½
W½ N½
5+40
5+00
4+75
4+50
4+40
3+75
3+50
3+25
2+75
2+50
2455

19 E
18
17 8

20 25
1128
900

26.53
406
22.47

£14
4.4
11 25



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	
10	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	62.86	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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HOLYOKE MASSACHUSETTS
NEW YORK CHICAGO BOSTON SAN FRANCISCO