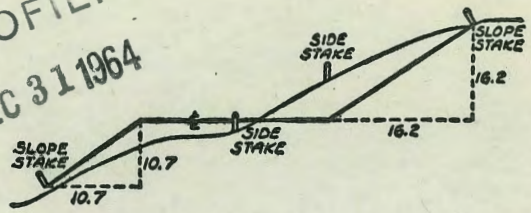

2022



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

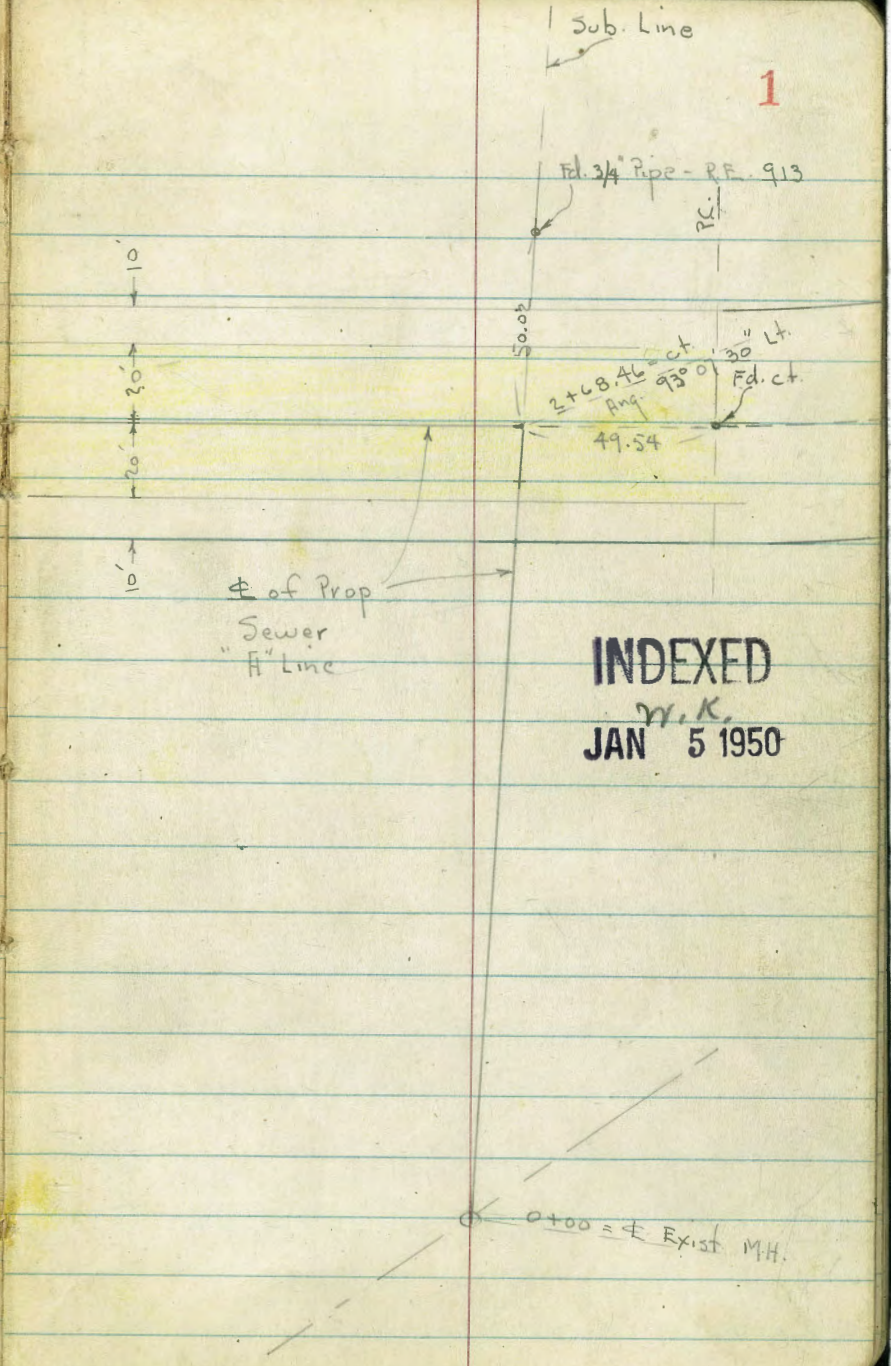
X-Sec Alley — Landis to Dwight } between Chamoune + 45th }
= Alley Blk 12½ City Hgts, Annex #1 61-73

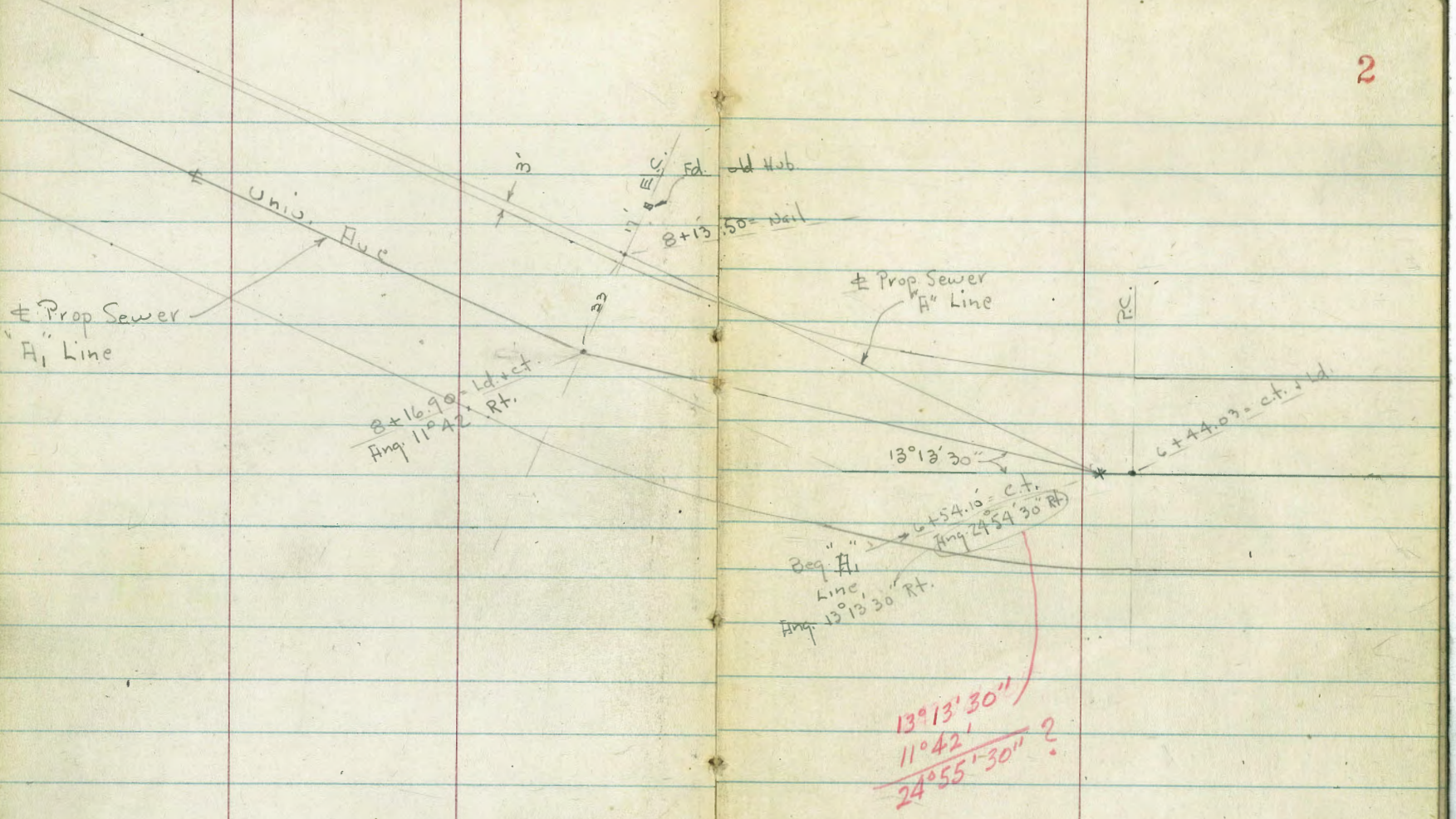
X-Sec Lot-32 - La Mesa Colony 74

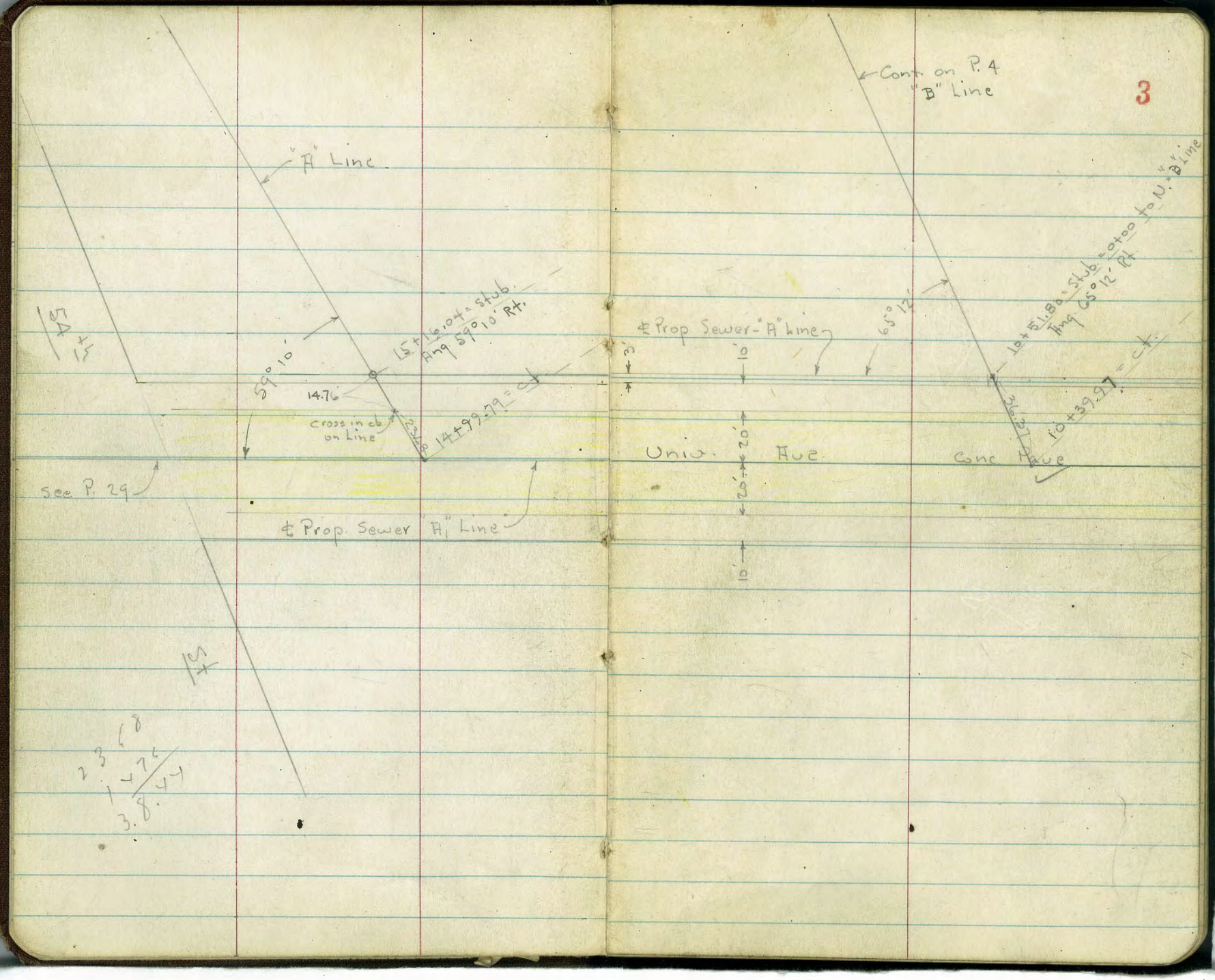
W.O. 31536

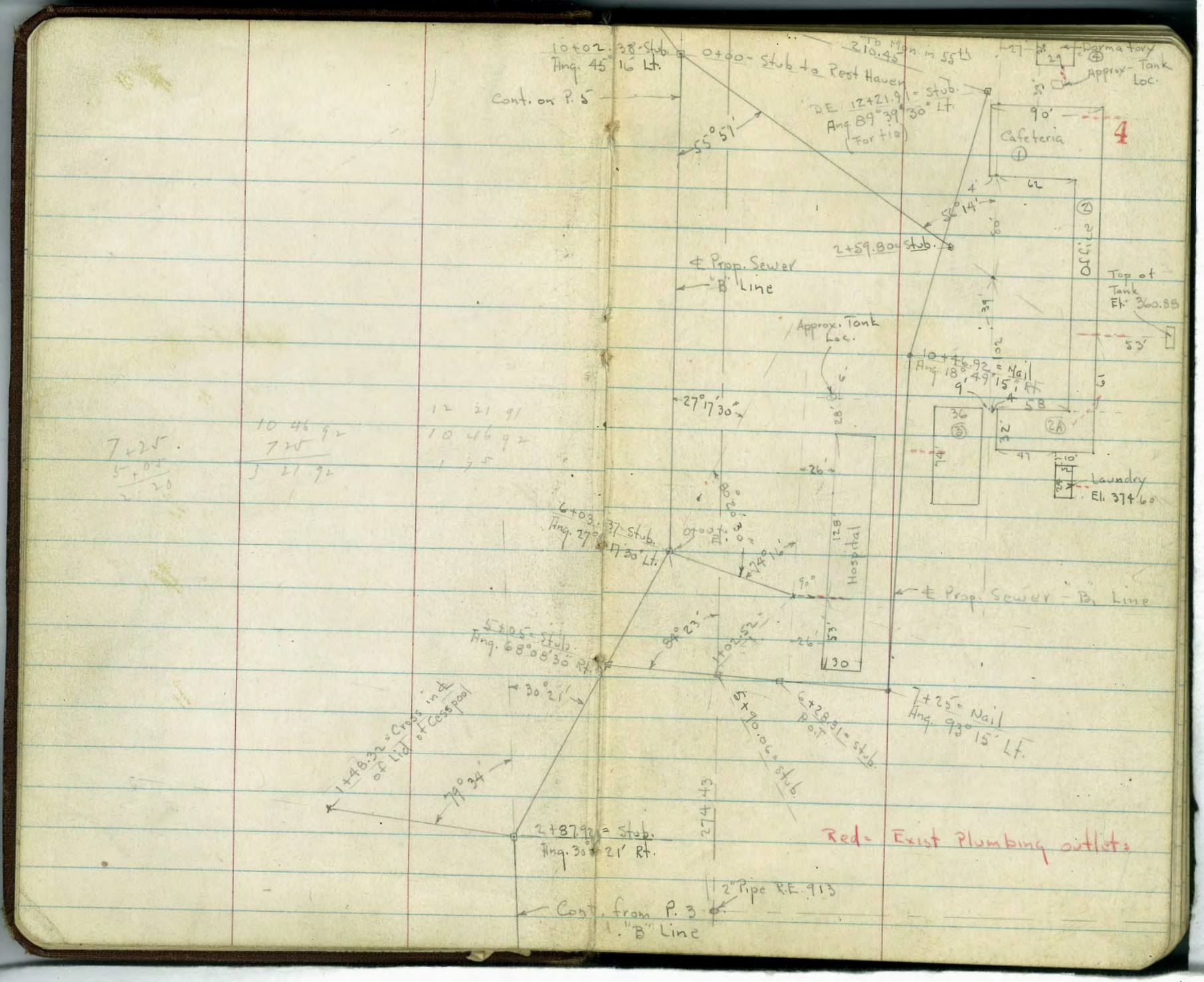
University Ave

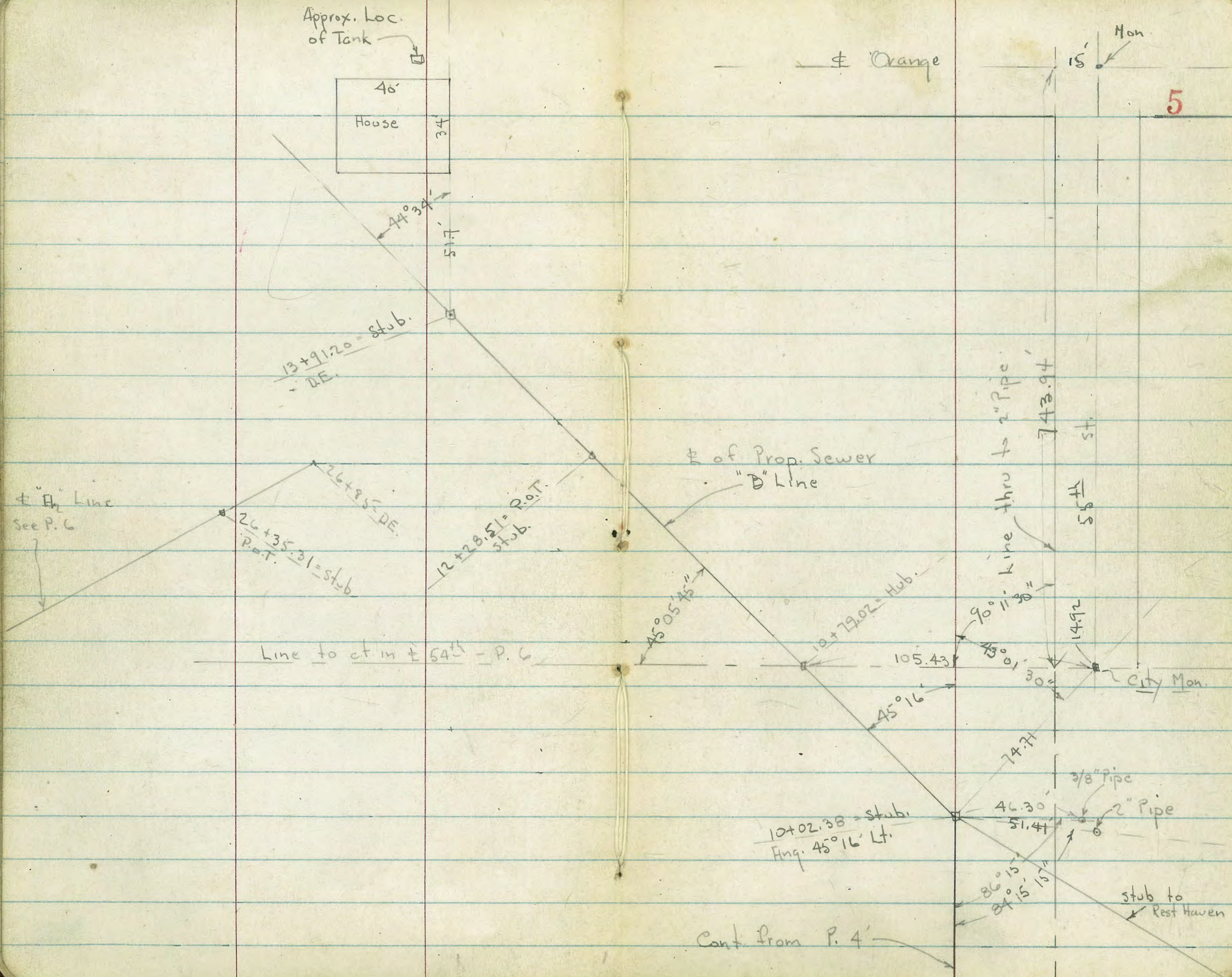
Conc. Pave

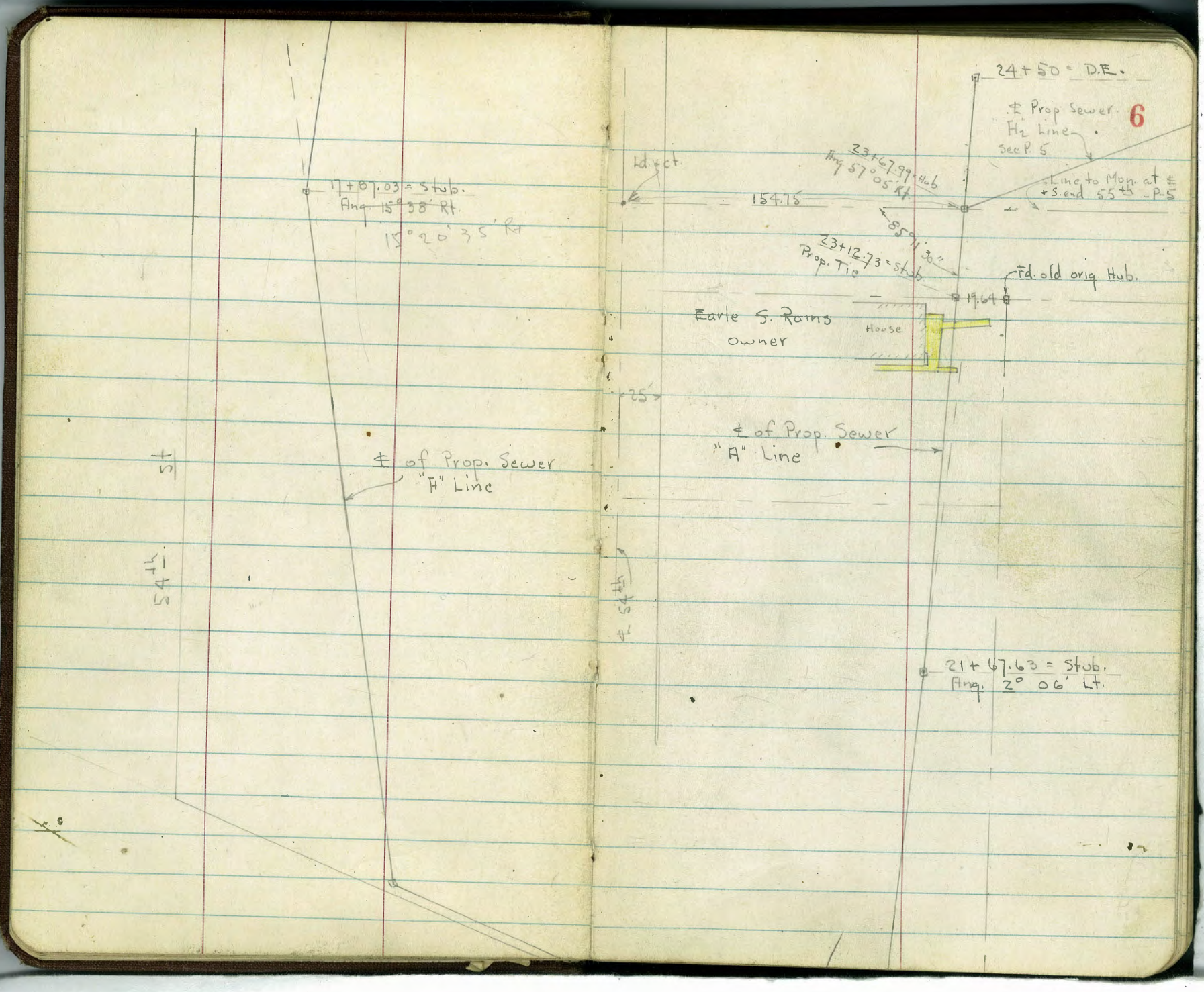



± Unis. Ave.
± Prop Sewer "A1" Line
33'
E.C.
Fd. Hub
8+13.50 = Nail
± Prop Sewer "A" Line
P.C.
8+16.90 = Ld.+ct.
Ang. 11°42' Rt.
13°13'30"
6+44.03 = c.t. + Ld.
6+54.10 = c.t.
Ang. 24°59'30" Rt.
Beg. "A1" Line,
Ang. 13°13'30" Rt.
13°13'30"
11°42'
24°55'30" ?


"A" Line
59° 10'
14.76'
LS 1+16.04 = stub.
Ang 59° 10' Rt.
cross in cb on Line
2.36 Rt
14+99.79 = ct.
See P. 29
℄ Prop. Sewer "A1" Line
℄ Prop Sewer - "A" Line
65° 12'
3'
10'
20'
20'
10'
Univ. Ave.
Conc Ave
Cont. on P. 4
"B" Line
15+51.80 = stub = 0+00 to N. "B" Line
Ang 65° 12' Rt
36.27'
15+39.97 = ct.


10+02.38 Stub
Ang. 45° 16' Lt.
Cont. on P. 5
0+00 - Stub to Rest Haven
To Main in 55th
210.45
Dormatory
Approx. Tank Loc.
D.E. 12+21.91 - Stub
Ang 89° 39' 30" Lt.
(For Tie)
55° 51'
Cafeteria
4
55° 14'
2+59.80 - Stub
℄ Prop. Sewer
"B" Line
Top of Tank El. 360.88
Approx. Tank Loc.
10+46.92 = Nail
Ang 18° 49' 15" Rt.
27° 17' 30"
Laundry
El. 374.60
6+03.37 Stub
Ang. 27° 17' 30" Lt.
Hospital
℄ Prop. Sewer - B1 Line
5+05 - Stub
Ang. 68° 08' 30" Rt.
30° 21'
7+25 = Nail
Ang. 93° 15' Lt.
1+48.32 = Cross int. of Lid of Cesspool
79° 34'
2+87.93 = Stub
Ang. 30° 21' Rt.
Red = Exist Plumbing outlets
12" Pipe R.E. 913
Cont. from P. 3
"B" Line


Approx. Loc. of Tank
40'
House
34'
44°34'
51.7'
13+91.20 = Stub. = D.E.
℄ Orange
15'
Mon
℄ "H2" Line
See P. 6
26+85 = D.E.
26+35.31 = Stub = P.o.T.
12+28.51 = P.o.T. Stub.
℄ of Prop. Sewer "B" Line
Line thru to 2" Pipe
143.94'
55th St.
45°05'45"
10+79.02 = Hub.
90°11'30"
45°01'
105.43
14.92
30'
City Mon.
Line to ct in ℄ 54th - P. 6
45°16'
74.71
3/8" Pipe
2" Pipe
46.30'
51.41'
10+02.38 = Stub.
Ang. 45°16' Lt.
86°15'
84°15'15"
Stub to Rest Haven
Cont. from P. 4'


24+50 = D.E.
℄ Prop Sewer
H2 Line
See P. 5
Line to Mon. at ℄
+ S. end 55th - P-5
Ld. + ct.
23+67.99 + Hub
Ang 87° 05' Rt.
154.75
85° 11' 30"
23+12.73 = Stub
Prop. Tie
Fd. old orig. Hub.
19.64
Earle S. Rains
Owner
House
25'
℄ of Prop. Sewer
"H" Line
17+87.03 = Stub.
Ang. 15° 38' Rt.
15° 20' 35" Rt
℄ of Prop. Sewer
"H" Line
54' 5
54' 5
21+47.63 = Stub.
Ang. 2° 06' Lt.

Levels along ℄ of Prop. Sewer "A" Line - See sketch P. 1

#3347

W.O. 31536

3-31-49

Osborne
Hardin
Hatch
Shepard

0+45

0+40

0+00 = Ext. M.H. on Trunk Sewer

T.P.	9.39	274.58	11.49	265.19	Rim of M.H.
T.P	1.17	276.68	12.64	275.51	
check. B.P. in cb.			6.78	(281.37)	opp 2+68.46
	4.31	288.15	7.65	283.84	
	2.71	291.49	11.53	288.78	
	0.47	300.31	11.31	299.84	
B.M. = N.W. B.P. 54± & Univ.	1.13	311.15		310.02	

Lt.	℄	Rt.
	266.3	
	8.3	
	257.9	
	b 7	
262.5		266.1
12.1 = ground.	255.94 19.04 EL. M.H.	9.39 = Top M.H.
	274.58	

A

2+40 = Top Bank

2+36.5 - 9.4' Lt = out let of 30" R.C. Culvert

2+35

2+25 - ± Wash

0+95

0+80 -

T.P. 12.10 284.25' 243 272.15'

1+50

1+00

Lt ℄ Rt

282.0 282.2 282.5
2.3 2.1 1.8
10 10

274.96
9.29
9.4
F.L. Pipe

277.3
7.0

282.0 276.0 273.4 274.6 279.6
2.3 8.3 10.9 9.7 4.7
2.5 12 4 15

280.7 276.9 272.8 275.9
3.6 7.4 11.5 8.4
15 12 20
± wash

280.2 276.9 273.7 272.5 274.6 276.2
4.1 7.9 11.6 11.8 11.7 8.1
15 2 6 12 15
± wash

284.25'

278.0 271.7 271.7 269.6
±3.4 2.9 2.9 5.0
10 9 12
± Ditch

268.6 269.0 268.5
6.0 5.6 6.1
10 10

274.58

A

4+50

4+00

3+88 - 91' Lt. = ℄ House

3+50

3+20

T.P. 8.07 289.44 288 281.37 = B.P.

~~2+36.5 - for Ang. of Culvert~~

2+90.6 = ℄ of 30" Culvert, - See Tie from

2+68.46 - Ang. 93° 07' 30" Lt.

2+48.5 = S. cb. = Beg. Conc. Pave

Lt. ℄ Rt. 9

283.2
6.24

282.66
6.78

282.72
6.72
91
floor

282.6
6.8
91 = ground

282.23
7.21

281.78
7.66

289.44

275.52
8.73
21.3
F.L. of Pipe at cb

281.62
2.63

276.71
7.54
21.2
F.L. of Pipe at cb.

281.82
2.43

282.20
2.05
top

281.47
2.78
out.

284.25

H

8+50

8+00 - 77' Lt. = ℄ of House & Ser. Sta.

T.P. 1211 298.21 334 286.10

7+50

7+15' = N. cb.

7+00

6+54.10 = Ang. 24°54'30" Rt.

6+00 - 107.5' Lt. - Small Bldg.

5+50

5+00 - Every thing on Rt. is High

Lt.	℄	Rt.
	6.6	
286.86		
11.38		
.77 floor		
286.6		
11.6		
27 ground.		
286.15		
12.06		
12.5 gut.		
286.64		
11.57		
12.5 Top cb.		
287.1		
11.0		
4		
	285.5	
	8.7	
		290.7
		7.5
		10
	298.21	
285.58		
3.86		
7.5 gut.		
286.10		
3.34		
7.5 Top cb.		
	286.3	
	3.1	
		289.4
		0.0
		10
	285.57	
	3.74 Top	4.29 gut.
279.2		
10.2		
150		
Vac. Lot		
	284.84	
	4.60	
	285.29	
	4.15	
	C+	
279.04		
10.40		
107.5 floor Conc.		
279.0		
10.4		
107.5 ground.		
	284.71	
	4.73	
	284.13	
	5.31	
279.4		
10.0		
150		
	283.68	
	5.76	
	289.44	

H

10+94 - 29' Rt. = ℄ old Ser Sta Bldg.

T.P. 6.97 302.32 2.86 295.35'

old Ser. sta. (Tank Still used)

10+91 - 6.4' Lt. = ℄ Filler cap for Gas Tank to

10+86 - 71' Lt. = ℄ Showcase Bldg

also - 121' Lt. = ℄ Large Storage Bldg

10+51.80 = 0+00 of "B" Line to N.

Gar.

10+39 - 15.2' Rt. = ℄ edge of Conc. apron to Sta.

10+32 = edge of Rough oil Dr. for Gar + Ser.

couldn't find it with bar.

10+25' = approx. Loc. of old Cesspool - By Westfall

10+00

9+63 - 92' Lt. = ℄ Plumbing Shop

9+50

180' Lt. = Gar. & Shops

9+00 - 83 Lt. = Contr. Office

Lt. ℄ Rt.

11

295.72 ≠96.00
6.6 6.32
29 29
ground floor

302.32

294.6 294.3 294.1
3.60 3.82 4.1
6.4 7.1 7.1
Top cap floor ground

294.3 291.0 293.7
3.90 6.3 4.89
121 121
floor ground

294.5 294.9
3.70 3.29
15.2 19
apron floor

293.4
4.8

201.55 292.4 294.5 295.4
6.66 5.8 3.7 2.8
13 4 10
Top cb

292.0 292.5
5.40 5.7
92 92
floor ground

3.7

287.77 291.6 290.0 288.7 289.4 293.91 294.91
10.44 6.60 82 9.49 8.6 4.3 3.3
180 83 83 13 4 10
conc. floor floor ground Top cb.

298.21

H

I.P. 1125 312.24 133 300.99

13+00

12+50 - 260' Lt. = ℄ 2 story House

12+30 - 152' Lt. = ℄ Steel Storage Bldg.

12+00

Mc Graths Yard = House - office + Gar.

11+90 - 127' Lt. = edge of large Conc. Slab for

11+69.5 = end of Conc. Slab.

11+51.5 = edge of Conc. slab.

11+40

11+20 - 69' Lt. = ℄ Small Bldg.

11+00

Lt. ℄ Rt.

312.24

299.74 304.1 301.8 303.0
2.58 2.2 0.5 + 0.7
13 4 10
Top cb.

293.82
8.50 = Lower floor
260

298.10 296.6 298.5
4.22 5.7 3.8
152 152
floor ground

297.02 297.8 298.62
5.30 4.5 3.7
13 10
Top cb.

294.32 295.83
6.00 6.49
175 127 = Conc.
floor Gar.

297.03 297.03 297.00
5.29 5.29 5.32
1.5 5.7 = Cor. = office to Bldg. Court.
Cor. Conc.

296.88 296.88 296.88
5.44 5.44 5.44
1.5 = 10 = at Bldg = floor Elev.
Cor Conc.

297.50 299.9 295.42
4.82 7.4 6.6
69 69 6.9 = on oil Pave
floor ground

302.32

H

16+50

16+00

15+50

15+23 - 7.4' Lt. = inlet of 24" R.C. Culvert

Check Starting B.M. 223 310.01 ✓ 310.102

15+16.04 = Ang 59° 10' Rt.

14+86 = edge oil Pave

14+50 = edge Rough oil Pave = Drive

14+00

13+82 - 77' Lt. = ℄ Cafe

13+50

13+35 - 140' Lt. = ℄ House

Lt.	℄	Rt.
310.0 / 2.2 / 50	310.2 / 2.0 / 15	307.6 / 4.6 / 7
308.9 / 3.8 / 50	307.9 / 4.3 / 10	305.7 / 6.0 / 5 ℄ Ditch
306.7 / 5.5 / 12 / Top	309.0 / 8.2 / 4	306.6 / 5.6
301.77 / 10.47 / 7.4 - F.L. Pipe		
305.53 / 6.71 / 13 / Top cb.		305.06 / 7.18 = stub.
		305.6 / 6.6
		305.6 / 6.6
302.55 / 9.69 / 13 / Top cb.	303.3 / 8.9 / 4	306.7 / 5.5
301.68 / 10.56 / 77. / floor	301.6 / 10.6 / 77 / ground	305.1 / 7.1
300.44 / 11.88 / 140 / floor	299.2 / 13.0 / 140 / ground	312.24

℄	Rt.
309.8 / 2.4	311.5 / 0.7 / 40
307.8 / 4.4	308.4 / 3.8 / 20
309.0 / 8.2 / 4	307.14 / 5.1 / 10
	308.8 / 3.4 / 10

H

19+64 - 6' Rt. = ℄ 18" Euc

19+50

19+15 - 6' Rt. = ℄ 24" Euc.

T.P. 12.85 331.51 2.77 318.66

19+14 - Cross wire fence

19+00

18+80 - 6' Rt. = ℄ 16" Euc.

18+69 - 6' Rt. = ℄ 14" Euc.

18+67 - 2' Lt. = ℄ 12" Euc.

18+50

1' Rt. = ℄ 12" Euc.

18+18 - 2' Lt. = ℄ 14" Euc

18+00

17+94 - 6' Lt. = ℄ 24" Euc.

17+87.03 = Ang 15° 38' Rt.

17+62 - 3.5' Rt. = ℄ 24" Euc. Tree

17+50

17+00 - in Canyon - High on Both sides

T.P. 11.35 321.43 2.16 310.08

Lt. ℄ Rt.

322.8 322.5 322.8 325.5

8.7 / 20 — 9.0 / 10 — 8.7 — 6.0 / 10

℄ wash

331.51

319.3 316.5 318.1 322.1

1.9 / 20 — 4.9 / 6 — 3.3 — +0.7 / 10

℄ wash

313.6 317.7 320.7

7.8 — 3.7 — 0.7 / 10

9

℄ wash

311.9 316.0 318.13

9.5 / 16 — 5.4 — 3.3 / 10

℄ wash

311.9 315.12 316.8

9.5 / 17 — 6.31 on Stub — 4.6 / 10

℄ Wash

314.9 310.5 311.0 314.1

6.5 / 18 — 10.9 / 8 — 10.4 — 7.3 / 10

℄ Ditch

311.9 311.9 309.4 312.3 313.4

8.4 / 50 — 9.8 / 15 — 12.0 / 7 — 9.2 — 8.0 / 20

℄ Ditch 321.43

312.24

A

22+13 - 4' Rt. = ℄ 20" Euc.

22+04 - 2' Lt. = ℄ 10" Euc

22+00

2' Lt. = ℄ 10" Euc.

21+89 - 5' Rt. = ℄ 18" Euc.

21+78 - 4' Lt. = ℄ 14" Euc.

21+67.63 = Hng. 2° 06' Lt.

21+65 - 43' Lt. = House

21+55 - 5' Lt. = ℄ 10" Euc

21+50

21+39 - 4' Lt. = ℄ 10" Euc.

21+28 - 4' Rt. = ℄ 10" Euc
6' Lt. = ℄ 20" Euc
2' Lt. = ℄ 10" Euc
1' Rt. = ℄ 10" Euc

T.P. 10.96 340.69 1.78 329.73

21+00 - 52' Lt. = ℄ House

20+68 - 4' Lt. = ℄ 10" Euc.

20+50

20+00

Lt. ℄ Rt.

336.3 337.1 338.9
4.4 3.6 1.8
17 15
℄ wash

335.6
5.09
on Stub

328.3
2.39
43' = Basement Conc. floor.

332.4 339.6 335.7
8.3 6.1 5.0
11 10
℄ wash

340.69

340.5 331.0 330.0 329.3 329.71 328.1
+9.00 +5.5 1.5 2.2 1.8 + 3.4
52 .52 10 ℄ wash 20 50
floor ground

326.8 326.1 326.6
4.7 5.4 4.9
10 ℄ wash 10

324.4 324.3 324.2 325.1
7.1 7.2 7.3 6.4
15 7 ℄ wash 10

331.51

"A"

Lt. ℄ Rt.

Set B.M. - Nail in Pole 340 355.18
100' Rt. 23+13

24+50 = End.

24+48 = Cross 2 wire fence.

24+00

T.P. 10.23 358.58 - 2.16 348.35

Rises steeply

348.9 — 9.7 — 38 — ℄wash

353.84 — 4.74 — on Stub

356.0 — 2.6 — 15

346.2 — 12.4 — 40 — ℄wash

350.6 — 8.0

352.7 — 5.9 — 15

358.58

23+62 - 4' Rt. = ℄ 10" Euc.

23+50

23+46 - 5' Rt. = ℄ 10" Euc.

23+01.1 = Sly. of 2.3' Conc. walk

343.6 — 6.9 — 40 — ℄wash

347.8 — 2.7

349.3 — 1.2 — 15

344.32 — 6.29 — 10.9 — floor House

343.69 — 6.87 — 10.9 = at House

343.65 — 6.86 — 3.8 = Ely. of N+S. Walk

344.01 — 6.50

4.78 — 13.8 = Ely. End

22+84 - Sly. of 15' Conc. Walk

22+72 = end of chicken Pen

T.P. 12.24 350.51 24.2 338.27

343.32 — 7.29 — 4.3 = edge of 4 N+S walk along House

343.43 — 7.08

343.55 — 6.96 — 2.5 = Ely. end

350.51

22+50

339.4 — 1.3

22+29 - 3.2' Rt. = N.W. Cor. shed
- 6' Lt. = ℄ 14" Euc.

22+27 - 3' Lt. = ℄ 18" Euc.

22+23 - 4' Rt. = S.W. Cor. Chicken shed. Conc floor. also Chicken wire Pen

339.6 — 1.0' — 4 — floor

338.7 — 12.0 — 4 = at cor.

340.69

Begin Levels along ℄ of "B" Line
Thru Court ↓ To "Rest Haven" - Sketch P. 4

Beg. Light oil Pave - poor Cond. 4-15-49 - 7.0.

2+00 - 19.9 Rt. = Court Unit

1+97 - 19' Rt. = aprox. Loc. of Tank - for 3 units

T.P. 11.61 317.25 0.80 305.64

1+50

1+44 - 6.6' Lt. = N.E. Cor. Gar.

1+24.5 - 11.2 Lt. = S.E. Cor. Gar. - Conc. floor

1+00

0+65'

0+54 - 14.4' Lt. = Near Cor. of old Sto. Bldg.

0+45'

0+15 - 10.6 Rt. = Near Cor. of Gar.

0+00 = Stub 10+81.80 on "A" Line.

B.M. 13.12 306.44 293.32 = stub 10+81.80
P. 11

306.44

Lt. ℄ Rt.

307.1
10.2
19 = ground.

317.25

304.7 306.6 306.9 307.0 307.8
10.6 10.7 10.9 10.3 7.45
10 10 19.9 19.9

309.4
2.0

304.89 303.8 305.9
1.54 2.6 1.5
11.2 11.2 6.6
floor. ground ground

302.7 302.7 302.7
3.7 3.7 3.7
10 10

300.6
5.8

296.1
10.3
14.4 at Cor.

295.8 296.7 296.7
10.6 10.2 9.7
10 10

293.32
13.12
on stub.

11.6
10.6 = at Cor.

4+57 - 43' Rt. = N.W. Cor. Rest Rooms

4+50

4+42 - 8' Rt. = S.W. Cor. Rest Rooms. Conc floor

4+36 - 3' Rt. = ℄ 12" Euc.

4+30 - 6.3 Rt. = ℄ approx. of Tank for Rest rooms above

T.P 1323 329.51 0.97 316.28

4+00 = end oil pave

3+60

3+48 - 10' Lt. = ℄ 18" Euc.

3+45 - 8' Rt. = ℄ 12" Euc.

3+20.

2+87.92 = Hng 30°21' Rt. = also 0+00 on Stub to West.

2+71 - 22.2 Rt. = Nly of 3 units

2+58 - 9' Rt. = ℄ 18" Euc.

2+50

2+45 - 9' Rt. = ℄ 36" Euc.

Lt. ℄ Rt.

320.9 / 4.6 / 4.3 = ℄ Cor.

320.6 / 8.9

319.8 / 9.7 / 8 / ground

320.65 / 8.86 / 8 = floor

319.59 / 9.92 / 6.3 = Conc-Rough Top

329.51

317.3 / 0.0

317.5 / +0.2 / 10

317.1 / 0.2 / 10 = ℄ wash

317.7 / 2.6

317.1 / 4.2 / 10

317.1 / 4.6

317.1 / 5.2 / 10

311.23 / 6.02 / on Stub.

310.5 / 6.8 / 22.2 = ground

311.83 / 5.42 / 22.2 floor

309.0 / 8.3

317.25

B

6+42 = 7' Lt. = ℄ 14" Euc.
Euc. Trees Hue. 12' centers
6+40 - 6' Rt. = ℄ 8" Euc. = start Row of
6+28 - 7' Lt. = ℄ 6" Euc.
6+12
6+10 - 3' Rt. = ℄ 16" Euc.

I.P.	12.48	341.62	0.37	329.14

East.
6+03.37 = Ang 27° 17' 30" Lt. = also 0+00 on Stub to

5+80 = ℄ wash

6' Lt. = ℄ 8" Euc
5+74 - 9' Rt. = ℄ 16" Euc.
5+57 - 10' Lt. = ℄ 8" Euc.
5+50
5+49 - 6' Lt. = ℄ 16" Euc.
5+40 - 3' Lt. = ℄ 12" Euc.
5+19 - 7' Lt. = ℄ 30" Euc
5+01 - 9' Lt. = ℄ 12" Euc.
5+00

Lt. ℄ Rt.

331.2 328.0 331.1 332.2
10.4 13.6 10.5 9.4
10 4 10
℄ wash

341.62

328.15
1.36
on Stub.

329.1 326.1 327.5
0.4 3.4 2.0
10 10

328.4 326.2 325.2
1.1 3.3 4.3
10 14
℄ wash

324.7 323.8 323.5
4.8 5.7 6.0
10 10

329.51

B

T.P. 13.19 364.39 0.89 351.20

9+00

8+50

8+45 - 7' Lt. - Beg ℄ of Row of Euc Trees

8+31 - 33' ℄ of Ely of House Tank along

8+00

7+83 - 7' Lt. = ℄ 8" Euc.

T.P. 12 at 352.09 1.57 340.08

7+50 - 8' Lt. = ℄ 10" Euc.

7+34 - 8' Lt. ℄ 8" Euc.

7+29 - 8' Lt. = ℄ 18" Euc.

7+00

6+64 - 6' Lt. ℄ 6" Euc.

6+55 - 5' Lt. = ℄ 10" Euc.

6+50

6+46 - 7' Lt. = ℄ 8" Euc.

Lt ℄ Rt.

20

350.6 350.1 350.4
1.5 2.0 + 1.7
10 ℄ wash 10

346.6 345.4 345.2 348.0
5.5 6.7 6.9 4.1
10 2 10
℄ wash

350.92
+1.17 = Conc Top
33

344.1 342.4 342.1 342.4
8.0 9.7 10.0 9.7
10 4 10
℄ wash

352.09

339.8
1.8

338.0 335.9 335.6
3.6 5.7 6.0
10 10
℄ wash

333.0
8.6

341.62

B

T.P.	12.67	386.98	1.82	374.31
10+50				
10+24				
Send of 55th				
Set BM. on Top F.H.			6.82	369.31
10+02.38 = Hng.	45° 16' Lt. = 0+00 on Stub. to E.			
9+95				
T.P.	12.43	376.13	0.69	363.70
9+81				
9+74 = Cross wire fence				
9+35				
9+18 - 9' Lt. = end Row of Trees				
9+13 - 10' Rt. = end Row of Trees				

Lt. | Rt.

21

386.98

372.4
3.7

368.1 367.9 367.8
8.0 8.2 8.3
10 10

367.26
8.87
on Stub.

367.4 366.9 364.8
8.7 9.2 11.3
10 10

376.13

362.7 360.6 359.5
1.7 3.8 4.9
10 10

356.1 358.8 353.4 354.6
8.3 10.6 10.7 9.8
10 8 15
± wash

364.39

B

13+50				
13+00				
12+50				
12+28.51 = P.O.T. stob				
12+00				
T.P.	13.10	412.06	0.40	398.96
11+65				
T.P.	12.86	399.36	0.48	386.50
11+50				
11+00				

Lt. ℄ Rt.

409.2
2.9

406.7
5.4
100

408.1
40
10

408.4
3.7

408.6
3.5
10

407.3
4.8

405.97
6.09
on stub.

403.5
8.6
10

401.9
10.2

399.6
12.5
10

412.06

389.1
10 3

399.36

386.8
0.2

380.3
6.7
10

380.0
7.0

379.9
7.1
10

386.98

B

Check from T.P. on P. 21 to BM. in Pole

T.P.	2.45	376.76		374.31
	1.14	365.95	11.95	364.81
check B.M. in Pole			10.75	355.20 — 358.18 = P. 16

C

Ground at Apprx. Loc. of Tank

51.7 - Near Cor of House - See sketch

13+91.20 = Stub = D.E.

	Lt.	℄	Rt.
408.1		4.0 - ground.	
411.00		1.06 floor.	410.7 1.4 ground at Cor.
407.1		410.65	410.6
5.0		1.41 on Stub.	1.5
60		412.06	60

Levels along Stub to Cesspool
from Sta. 2+87.92 on "B" Line

Lt. | ℄ | Rt.

Serves Big House & Trailer Court.

1+48.32 = cross in ℄ of 5' Dia. Conc. top of Tank — 329.89 — 6.40

T.P. 8.68 331.24 106 322.56 — 331.24

1+25 — 321.9 — 1.7

1+00 — 318.2 5.4 (10) — 318.5 5.1 — 319.2 4.4 (10)

0+60 - 3.5' Rt. = ℄ 4"x6" Light Pole

0+48 = end of Oil Pave — 321.4 — 10.2

12:39

0+00 = 2+87.92 — 323.62 — 311.23 - P.18 = Stub. — 323.62

See sketch P. 4

Levels along Stub. to Rest Haven Hospital from Sta. 6+03.37 on "B" line

Sketch - P. 4 4-18-49 - 7.0.

Approx. loc of Tank at N. end of Hospital (see sketch)

Hospital Elev.

1+02.52 = Cross in Nly. Lid of Hospital Tank for:

Set check B.M.			5.84	364.51
T.P.	6.06	370.35	1.30	364.29
T.P.	12.56	365.59	0.41	353.03
0+70				
T.P.	12.97	353.44	0.70	340.47
0+38 = Cross Cor. of Wire fence				
0+30				
0+27 - 7' Rt = ℄ 18" Euc.				
0+00 = Stub. = 6+03.37 on "B" line				
	13.02	341.17	328.15	

Lt. ℄ Rt.

370.21 — 0.14 Main floor

365.65 — 4.7 = ground at Tank — 364.25 — 6.10

362.15 — 8.20 Basement floor

370.35

339.9 — 1.3 / 10

340.1 — 1.1

339.6 — 1.6 / 10

337.4 — 3.8 / 10.

336.0 — 5.2

335.1 — 6.1 / 10

328.15

13.02 = on Stub.

341.17

Levels along 2nd Stub to Rest Haven
from Sta 10+02.38 on "B" Line
Sketch - P. 4.

4-18-49- 7.0:

T.P.	9.19	379.62	0.30	370.43
1+50				368.1 2.6
1+01 - 4' Lt. - ± 12" Acacia				
1+00				366.4 4.3 10
0+82 = S.W. Cor. of 4' Hedge				366.1 4.6
0+60 = Beg. on Lawn				365.6 5.1 10
0+55				364.7 6.0
0+49 = Cross wire fence.				
0+47 = ± Deadman to P. pole				
0+24 = ± Wash				358.7 12.0
0+20				360.3 10 ±
0+18 = Cross wire fence				
0+08				366.3 4.4
0+00 = Stob. 10+02.38 on "B" Line				367.26 3.47 on Stub.
B.M.	3.47	370.73	367.26 = Stub 10+02.38 on "B" Line	

check B.M. - P. 25 15.11 364.51 ✓

Approx. Loc. of Tank Bet. Cafe & Dormatory

floor of Shop = s. end of Bldgs.

floor of Dormatory - N. of Cafe. - ④

floor of Bldg. To South - ③

floor of Office (to E.) = ②

floor of Cafeteria (see sketch) = ①

2+64 = edge of C.L.

in CL.

2+59.80 = stub = end

2+35 =

2+12 = end Lawn & Beg. Cold lay Pave

2+02 - 4' Rt. ± 14" Acacia

2+00

1+90 - 7' Lt. ± 8" Fig

Lt. ℄ Rt.

371.3 370.9 375.3

8.30 floor. 9.2 ground. 4.2

377.6 375.2

2.90 floor 4.4 ground 377.96 1.66 floor 377.3 5.3 ground at N.W. Cor.

377.6 379.3

2.0 ground 0.19 floor.

375.9

4.03 floor.

374.6

5.0

374.98

5.14 on stub.

373.0

6.6

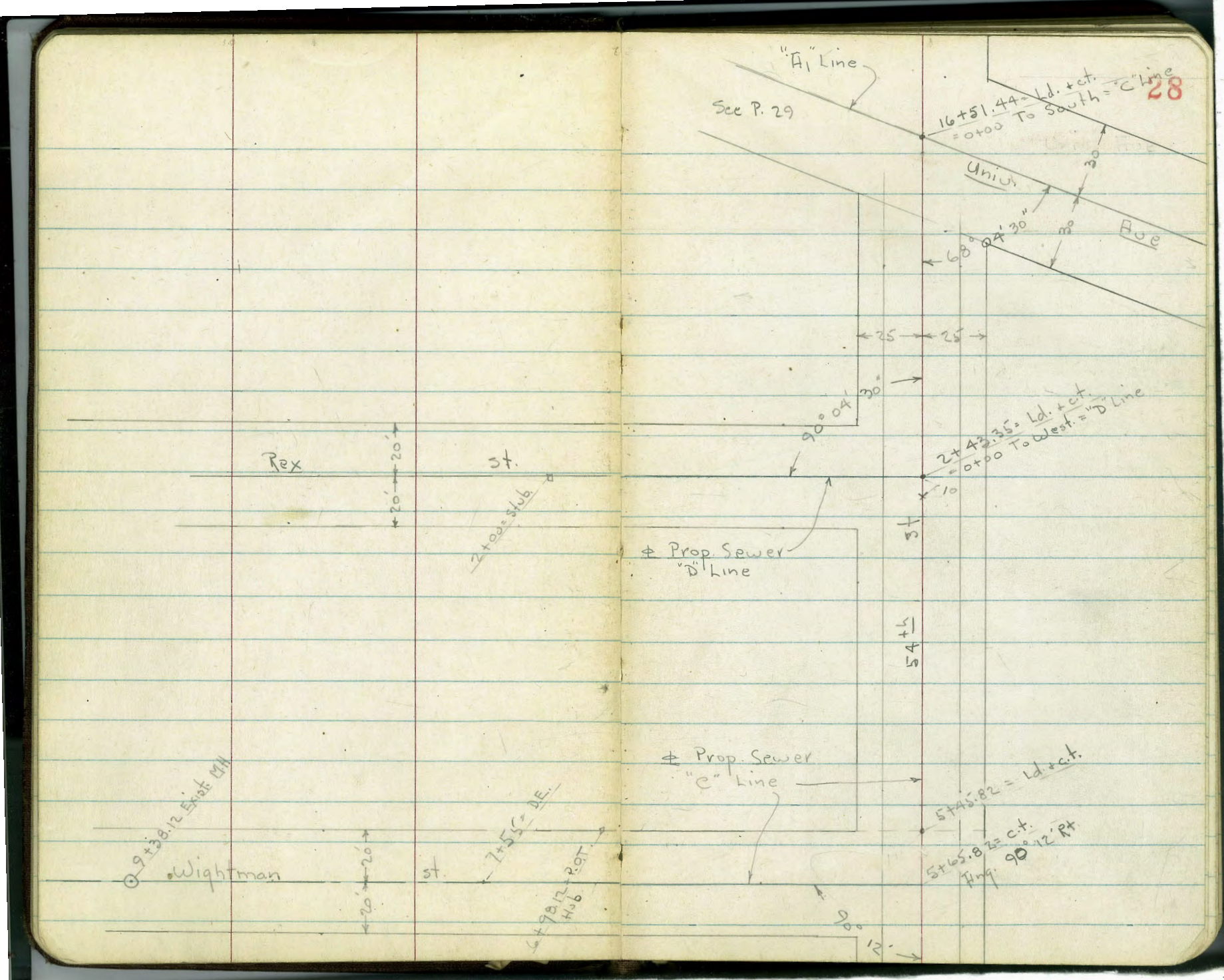
372.3

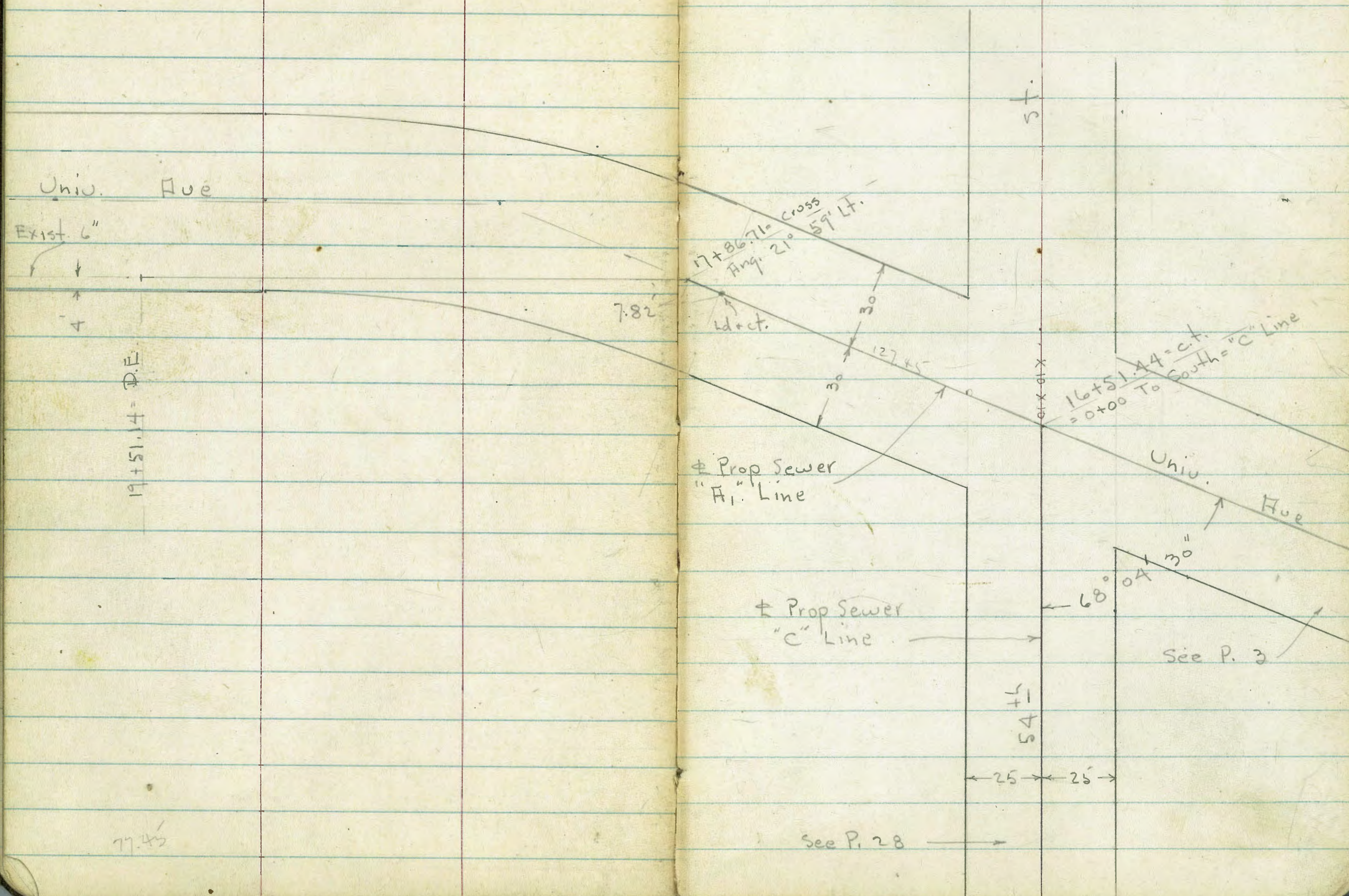
7.3

372.0 371.3 370.5

7.6 10 8.3 9.1 10

379.62


"A" Line
See P. 29
16+51.44 = Ld. + c.t.
= 0+00 To South = "C" Line
Union
Ave
30
30
68° 04' 30"
25
25
90° 04' 30"
2+43.35 = Ld. + c.t.
= 0+00 To West = "D" Line
10
Rex
st.
20'
20'
2+00 = Stub.
℄ Prop. Sewer
"D" Line
54+51
℄ Prop. Sewer
"C" Line
5+43.82 = Ld. & c.t.
5+65.82 = c.t.
Hwy 90° 12' Rt.
9+38.12 Exist MH
Wightman
st.
7+55 ℄ DE.
6+98.12 = P.O.T.
H.O.
90°
12'


Univ. Ave
Exist. 6"
4'
19+51.14 = D.E.
77.45
7.82
17+86.71 = cross
Ang. 21° 59' Lt.
Ld+ct.
30
30
127.45
St.
16+51.44 = c.t.
= 0+00 To South = "C" Line
Univ. Ave
℄ Prop Sewer
"A1" Line
68° 04'
30"
℄ Prop Sewer
"C" Line
See P. 3
54 ft
25
25
See P. 28

Begin Levels along ℄ of Prop. Sewer Line = "H" on Univ. Ave - Begin at 6+54.10 on "A" Line - P.2 - Ang 13° 13' 30" Rt.

outs to Bldgs. taken on "A" Line

11+00

10+39.97 = c.t. = ℄ "B" Line produced back

10+00

9+50

9+00

8+50

8+16.90 = Ang 11° 42' Rt.

8+00

7+50

7+00

6+54.10 = Beg "H" Line

B.M. 448 , 297.80 293.23 = stub = 10+51.80 "A" Line

Lt. ℄ Rt.

294.33
3.47

292.69
5.16
℄
291.65
6.18

292.18
5.62
22
out

293.32
4.48
36.37 = stub = 10+51.80

outs along "B" Line

290.21
7.59

288.90
8.90
℄

287.63
10.17

286.00
10.80
℄

286.81
10.99

286.36
11.44
℄

285.69
12.11
℄

285.29
12.51

While no out = Nessesary ℄ shown thus To save space

297.80

A1

Ground on Lt. is High

16+75 = Brk

check BM NE Cor 12.36 310.01 =

T.P 12.86 322.37 0.49 309.51

16+51.44 = Ld + ct. = 0+00 to S.

16+00

15+50

14+99.79 = ct = ℄ "A" Line Prod. back

14+50

14+00

13+50

13+00

12+50

T.P 13.05 310.00 0.85 296.95

12+00

11+50

Lt. ℄ Rt. 31

309.58
12.79
310.02

322.37

309.04
0.96

307.82
2.18
℄
307.0
3.0
100
305.3
4.7
50
Vac. Lot.

306.36
3.64

303.07 304.7 305.36 307.9
4.98 5.30 4.64 5.1
23.3 23.3 38.44
outs along "A" Line Prod. ℄ Top cb.

303.79
6.26
℄
15+46.0 ℄
stub gone

302.48
7.52

301.06
8.94
℄

299.65
298.26
10.35
℄
11.74

310.00

296.95
0.85

295.63
2.17
℄

297.80

A1

Lt. ℄ , Rt

Cross in cb. = 5.75' N. = 3.88 326.90
Const. grade

19+51.14 = D.E. on Exist. Line from W.

19+00

T.P 8.89 330.78 0.48 321.89

18+61 = cb. face of S. cb. = end of Conc. Pave

18+20

17+86.71 = Ang. 21° 59' Lt.

17+50

17+00

327.1
3.7

323.9
6.9

330.78

320.83 321.41
1.54 0.96
gut. Top cb.

318.8'
3.56
℄

316.63
5.74
on Cross.

314.19
8.18
℄

310.94
11.41

322.37

Begin Levels along ℄ of Prop. Sewer
= "C" line on ℄ of 54th S. of Univ.

0+00 = 16+51.44 on "H" Line + sketch - P. 28

T.P. 13.02 332.36 0.63 319.34

4+50

4+00

3+50

3+00

2+43.35 = Ld. ℄ ct = 0+00 of "D" Line to W.

2+00

1+50

1+00

0+60

0+35

0+21 everything on Lt. is low - Rt. is High

0+12

0+00 = 16+51.44 on Conc. Pave

B.M. = N.E. B.P. 9.95 319.97 310.02
Univ. & 54th

Lt. ℄ Rt.

319.28
0.69
℄

316.42
3.55
313.16
6.81

317.86
2.11
℄

298.6
21.4
100
Vac. hot

303.9
16.1
50

314.88
5.09
℄

311.66
8.31
15
edge Conc
Pave

311.89
8.08

311.59
8.38
15 = edge
Conc. Pave

307.2
12.8
50
Vac.
hot

309.06
10.91
℄

310.33
9.64

308.24
11.73
℄

308.35
11.62

308.43
11.54
℄

308.91
11.06

319.97

set B.M. on Rex for Check 8.22 348.48 = sta 6-2+00 on Rex

"C"

7+55 = end = approx. D.E. on Exist.

7+00

B.M. on P.O.T. Hub 5+98.12 5.89 350.81

T.P. 12.28 356.70 0.56 344.42

6+65

6+50

6+25

T.P. 13.09 344.98 0.47 331.89

5+97 = Top

5+88 = Bot. of Bank

5+80.8 = edge Conc. Pave

5+65.82 = ct = Hng 90° 12' Rt.

5+40

5+25 = Brk

5+00

Lt. ℄ Rt.

2.1 354.6
℄
351.3 351.1 350.9
5.4 5.6 5.8
10 10

356.70

349.8
0.2

343.5 340.3 338.0
1.5 4.7 7.0
75 = Vac. Lot 75 = Vac. Lot

334.4 333.3 332.6
10.6 11.7 12.4
10 10

344.98

328.0 319.3
4.4 13.1
℄

318.84
13.52
℄ = edge of Conc

320.23 319.06
12.13 13.30
℄

320.51
11.85
℄

301.8 320.66
30.8 11.70
100 = Low Vac. Lot

332.36

Lt. ℄ Rt.

Beg. Levels along ℄ of Prop. Sewer - "D" Line - on ℄ of Rex st. - 0+00 = sta. 2+43.35 on "C" Line

1+75

(4"x4" Posts)

1+60.8 = Cross wood Guard fence.

1+50

T.P.	12.86	350.46	0.77	337.60

1+00

T.P.	13.07	338.37	0.28	325.30

0+50

0+22 = Top

0+19 = Bottom of bank

0+14.9 = edge of Conc. Pave

	12.42	325.58	313.16 = ℄ t. = 2+43.35 = "C" Line

340.7
9.8
10
335.0
3.4
75
Vac. Lot

346.2
4.3

340.0
10.5

339.4
11.1
10

350.46

332.0
6.4

328.4
9.8
15 - Vac Lot

338.37

321.5
4.1
10

321.5
4.1

321.1
4.5
10

315.8
9.8

313.0
12.6

318.85
12.73

325.58

Lt. ℄ Rt.

352.1

+1.6

2+50 = for Profile past P.E.

= end

2+00 = P.O.T. stub. 1.97 348.49 = 348.48

45.2' Rt = ℄ House

P. 34

348.9	348.49	348.5	346.7	348.98	
1.6	1.97	2.0	4.1	1.48	
10	on stub.	10	45.2	45.2	
			ground	floor	

350.46

Beg. Levels along "B" Line - Start at 5+05'.

on "B" Line - P. 19 - sketch - P. 4.

					Lt	℄	Rt
6+28.31 = P.o.t. Stub			10.56	361.60	361.6 10.6 10	361.6 10.6	361.2 11.0 10
6+25' = Top of Bank							
T.P.	12.84	372.16	0.44	359.32		372.16	
6+00					349.9 9.9 10	351.1 8.7	352.4 7.2 10
T.P.	12.62	359.76	0.77	347.14		359.76	
T.P.	13.12	347.91	0.85	334.79		347.91	
5+60					333.8 1.8 10	334.7 0.9	335.6 0.0 10
5+59 - 9' Rt. = ℄ .10" Euc.							
5+36 - 7' Rt. = ℄ 6" Euc.							
5+30					325.0 10.6 10	325.3 10.3	326.3 9.3 10
5+05 = Beg. "B" Line						324.25	
B.M. =						11.39 on Stub	
6+03.37 = Stub	7.49	335.64		328.15		335.64	

B1

9+41 - 9.8' Lt. = end of cb.

9+17 - 21.6' Lt. = Cor. Main Bldg.

9+00

8+58 - 75.2 Rt. = ℄ Shop Bldg. - plumbing - outlet to E.

8+50

8+25 - 76.8' Rt. = ℄ Small cottage - has plumbing outlet to E.

8+00

T.P. 6.61 375.42 3.35' 368.81

(Cor) end of Walk

7+33 - 8.5' Lt. = Beg. 4" Conc cb.

7+25 = Hng. 93° 15' Lt. - cuts on Rt. are 90° to Forward Tang.

7+16 - 8.1' Lt. = Cor. of walk

ground slopes down sharply from 265 Rt.

7+00 - Rod on Rt. shows profile of Top of Hill

6+70 - 5.4' Lt. = Beg. Sly. of 4' Conc. walk

6+56.1 = edge of A.C. Pave

Lt. ℄ Rt.

369.4 6.0 21.6 ground.

370.40 5.02 Top cb = end. 370.08 5.34 9-t. 370.59 4.83

370.25 5.17 Top cb. 369.94 5.48 9.6 gut. = edge A.C. 370.11 5.31

369.82 5.60 369.2 6.2 75.2 ground 370.2 5.18 8.8

371.35 4.07 75.2 floor

369.91 6.3 20.9 edge of Bldg.

369.52 5.90 8.8 Top cb.

369.17 6.25 8.8 9-t.

369.36 6.06 368.0 7.4 76.8 ground 369.67 5.75 9.1 = edge of A.C.

368.13 6.29 76.8 = floor.

375.42

368.81 3.35' 8.5' Top Conc.

368.48 3.68 8.5' gut. = A.C.

368.82 3.34

369.18 2.98 9.4 = edge A.C.

368.83 3.33 on Wall

370.3 1.7 50

366.0 4.2 90 = Top Bank

361.4 10.8 11 S. slopes down from Here

369.57 3.59 6.4 = edge A.C.

368.81 3.35' 8.1

368.61 3.55' 7.0 Conc. Walk

368.23 3.93 7.0 - A.C.

368.21 3.95'

366.25 3.91 7 edge A.C.

367.5 4.7 50

362.6 9.6 265 = Top of Bank

20 edge of Bldg.

366.81 5.35' 5.4 = Cor. walk

366.46 5.70 15 = along edge

366.35 5.81

366.31 5.85' 9.4 = Cor.

372.16

B1

12+21.91 = end edge of C.L. (E & W. along Bldg)

12+11.2' - 1.1' Rt. = Cor. of Cafe Bldg.

11+84 - 35' Lt. & 14" Pepper

11+80 = Beg. C.L. - Lawn on Lt.

11+45 = edge of Cold Lay - Lawn on Lt.

P. 27

check stub - 2+59.80			4.58	374.50
T.P. on 10+46.92	6.81	379.08	3.15	372.27

11+00

10+70 = E. edge of Pave - Line to E.

10+46.92 = Ang 18° 49' 15" Rt.

10+00

Lt.		℄		Rt.
		374.87		
		4.21 on Stub		
		375.04		375.10
		4.04		3.98
				1.1 = C.L. at Cor.
374.7		375.15		375.44
4.4		3.93		3.64
10				13 = C.L. along Bldg
		374.57		
		4.51		
		374.48		
		379.08		
373.02		373.74		374.47
2.40		1.68		0.95
10				10 - on C.L.
		372.70		
		2.72		
		372.27		372.54
371.2		3.15 on Nail		2.88
		371.55		7.3 = edge - at 90° To Back Tang
4.16		3.87		371.74 3.68
10.4 edge		375.42		7.7 edge

Notes on Plumbing + Possible Conn. to Bldgs of Rest Haven.

Dormatory = #4 on sketch
outlet thru S. wall - can be picked up direct.

Cafeteria = (1) on sketch
out let to E. Near N.E. Cor. - will Have to go around Bldg. - Believe has Conc. slab floor.

Office - (2) = outlet - opp tank - can be turned to W. - Some room under Bldg.

S. end of Office Bldg = (2A) on sketch
Present soil pipe goes to N + E to tank down bank - Can be picked up + turned west under Bldg

Laundry - outlet on E. side - could be brought aroound the S. side and over to Prop. Line

Bldg. - (3) on Sketch - outlet is to W. about thru ℄ of Bldg. - Conn. is good

Hospital - Seems outlet goes to W. to Exist. tank - No plumbing in Basement outlet could be best picked up just Before going in tank.

Levels along ℄ of Prop. Sewer - "A₂" Line

sketch - P. 5 & 6

T.P.	12.62	388.92	0.40	376.30
25+45				
25+34 - 8.8' Lt. = ℄ 10" Euc.				
25+15				
25+05 = ℄ Wash				
25+00				
T.P.	13.15	376.70	0.69	363.55
24+64 - 8' Lt. = ℄ 8" Euc.				
24+52 - 2' Rt. = ℄ 5" Euc.				
24+50				
24+03 - 4.5' Rt. = ℄ 12" Euc.				
24+00				
23+84 - 4.5' Rt. = ℄ 8" Euc.				
23+67.99 = on "A" Line = Ang. 57°05' Rt. = Beg "A₂" Line				
B.M. in Pole - 9.06		364.24		355.18

P. 16

Lt.	℄	Rt.
	373.7	
	2.0	
	368.7	
	8.0	
	362.9	
	13.8	
365.9	365.1	364.4
10.8	11.6	12.3
10		10
	376.70	
	358.3	
	5.9	
353.1	352.7	352.5
11.1	11.5	11.7
10		10
	348.58	
	15.66	
	on stub	
	364.24	

check Stub- 13+91.20 on "B" Line 2.74 410.65

410.65

26+85 = D.E.

26+50

26+35.31 = P.O.T.

26+25 = Top bank

26+13 - 9.5' Rt = ℄ 20" Euc.

T.P.	12.33	413.39	0.44	401.06
T.P.	13.18	401.50	0.60	388.32

25+80

Lt. ℄ Rt.

407.6
5.8

406.5 407.2 407.2 407.2 403.6
6.9 6.2 6.2 6.2 9.8
70 10 10 10 110 = Top of Bank
Top of Bank

6.97 on Stub.

404.9 405.1 405.5
8.5 8 7.9
10 10

413.39

381.3 381.2 382.8
7.6 7.7 6.6
10 10

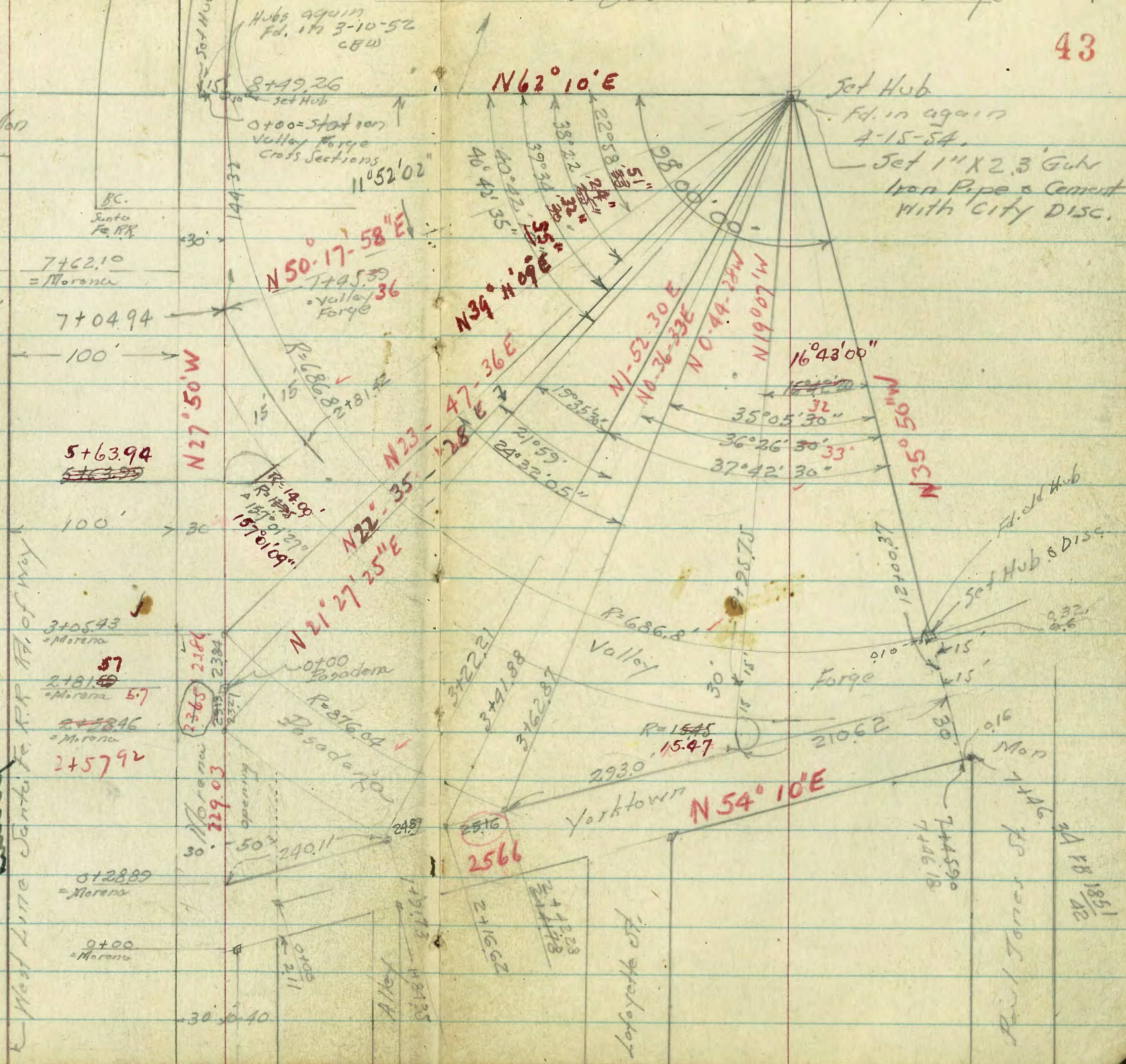
388.92

Walker
F. Gregory
Pope
R-

12-23-49

Cross Sections - Valley Forge

BM Elev.
70.40
Corc. Mon
FB 2013
40



Additional
Ties etc.
FB 1851
61

This page superseded by
F.B. T.P. 36, p. 2

Valley Forge - Cross Section

				Lt.		℄		Rt.	
				76.3					
3+00				1.4 / 30					
				75.0	73.4	72.4	71.3	70.2	69.3
				2.7 / 18	4.3 / 15	5.3 / 14	6.4	7.5 / 15	8.4 / 30
							77.65		
T.P. 524	77.65	977	72.41						
				79.3	78.2	74.0	72.4	70.8	70.1
2+50				2.9 / 30	4.0 / 15	8.2 / 12	9.8	11.4 / 15	12.1 / 30
				81.2	79.6	77.4	75.0	72.5	71.8	71.1
2+00				1.0 / 29	2.6 / 19	4.8 / 15	7.2 / 12	9.7	10.4 / 15	11.1 / 25
				71.8	70.6	70.5	72.2	72.0	72.0	69.3	67.7
1+75				10.4 / 30	11.4 / 15	11.7 / 9	10.0 / 5	10.2	10.2 / 5	12.9 / 15	14.5 / 30
				80.0	75.9	75.2	74.5	71.2	68.9	68.4	71.1	71.7
1+45.39	Approx. Int. ℄ Lyne = Int Pt 43			2.2 / 30	6.3 / 21	7.0 / 15	7.7 / 7	11.0	13.3 / 5	13.8 / 10	11.1 / 15	10.5 / 22
							82.18					
0+00 = B.C.												
	11.78	82.18	70.40									

Copied 12-29-49 J. Barnett

Valley Forge - Cross Sections

Lt. ℄ Rt.

6+50

76.6 76.1 72.3 72.0 70.5 69.4 68.7 66.3 64.7
11 16 5.4 5.7 7.2 8.3 9.0 11.2 13.0
30 25 18 15 15 21 26 40

6+00

74.8 69.6 68.5 67.4 65.8 63.3
5.9 8.1 9.2 10.3 11.9 14.4
30 15 15 25 40

5+50

70.4 67.9 67.0 65.1 63.7 62.5 61.3
7.8 9.8 10.7 12.6 14.0 15.2 16.4
30 15 10 15 20 40

5+00

69.1 67.7 66.6 65.0 64.3 62.7 61.1
8.6 10.0 11.1 12.7 13.4 15.0 16.6
30 15 9 15 20 40

4+50

70.4 68.4 67.2 66.7 64.6 63.8 61.4 60.9
7.3 9.3 10.5 11.0 13.1 13.9 16.3 16.8
30 15 9 12 15 30 40

4+00

73.6 70.6 69.1 68.7 66.5 66.1 65.0
4.1 7.1 8.6 9.0 11.2 11.6 12.7
30 15 6 9 15 30

3+50

74.3 72.4 71.9 70.5 69.2 67.6
3.4 5.3 5.8 7.2 8.5 10.1
30 21 15 15 30

7765

Valley Forge - Cross Sections

Lt. ℄ Rt.

8+10

79.0 77.9 75.9 [illegible] 73.0 71.9 68.2
4.0 5.1 7.1 9.0 10.0 11.1 14.8
30 19 15 11 15 40

7+50

75.6 74.4 72.8 71.8 70.4 66.6
7.4 8.6 10.2 11.2 12.6 16.4
30 15 9 15 40

82.98

T.P. 1081 82.98 5.48 72.17

6+95

76.2 72.8 71.4 70.1 69.6 64.8
1.5 4.8 6.3 7.0 8.1 12.9
30 15 10 15 40

6+82

68.8 68.2 68.2 71.1 70.9 70.6 68.4 65.0
8.9 9.5 9.5 6.6 6.8 7.1 9.3 12.7
30 15 9 6 8 15 40

6+70

75.8
1.9
30

76.0 72.6 72.0 71.4 68.2 67.1 67.0 65.0
2.7 5.1 5.7 6.3 9.5 10.0 10.7 12.7
25 20 15 11 6 15 40

6+60

74.3 72.3 70.5 69.1 66.2 65.0
3.4 5.4 7.2 8.6 11.5 12.7
30 15 15 28 40

7765

77.65

Valley Forge - Cross Sections

10+50			
10+00			
9+50 ℄ Stub			
TP	9.32	84.20	8.10	74.88
9+50			
9+00			
8+35			
8+23 = ℄ Ditch			
		82.98	

7+2	Lt	℄	Rt
	80.0	76.1	74.4	72.8	72.3	70.4	63.9
	4.2	7.5	9.8	11.4	11.9	13.8	20.3
	30	15	8	4		15	40
	80.4	75.7	73.9	72.8	71.1	68.3	61.8	61.6
	3.8	8.5	10.3	11.4	13.1	15.9	22.9	22.6
	30	15	13		10	15	30	50
				84.20				
	85.1	80.6	75.4	74.9	73.8	71.8	62.1	61.2
	+2.1	2.4	7.6	8.1	9.2	11.2	20.9	21.8
	30	8	3		11	15	30	50
	82.9	79.5	74.7	74.9	74.9	73.0	70.1
	0.1	2.5	7.3	8.1		10.0	12.9
	30	13	5			15	40
	74.5	71.5	75.5	74.3	72.7	68.3
	4.5	5.5	7.5	8.7	10.3	13.7
	30	20	15		15	40
	70.0	69.2	69.2	67.2	65.9
	13.0	13.8	13.8	15.8	17.1
	30	15		15	40
			82.98		

Valley Forge - Cross Section

			.002
7+46.34 FB 1851-47			65.81 = Mon
Check Conc. Mon		10.95	65.83
TP 5.04	76.78	12.46	71.74
12+00	= E.C.		
11+50			
11+00			
	84.20		

43.8 81.8 78.8 17.6 16.4 13.1

0.4 2.4 5.4 6.6 7.8 10.5
30 15 8 10 15

84.6 83.0 80.5 14.9 16.3 16.0 14.1

0.4 1.2 3.7 5.3 7.7 8.2 9.5
30 10 8 11 15 30

83.9 80.6 18.3 16.9 14.6 14.2 13.2 11.1

1.1 3.6 5.9 7.3 9.6 10.9 11.0 12.3
30 15 8 11 15 26 30

84.20

Yorktown Street.

Stadia Location of

℄ Drainage Channel

Readings from "A" Elev = 74.9 HI = 5.0

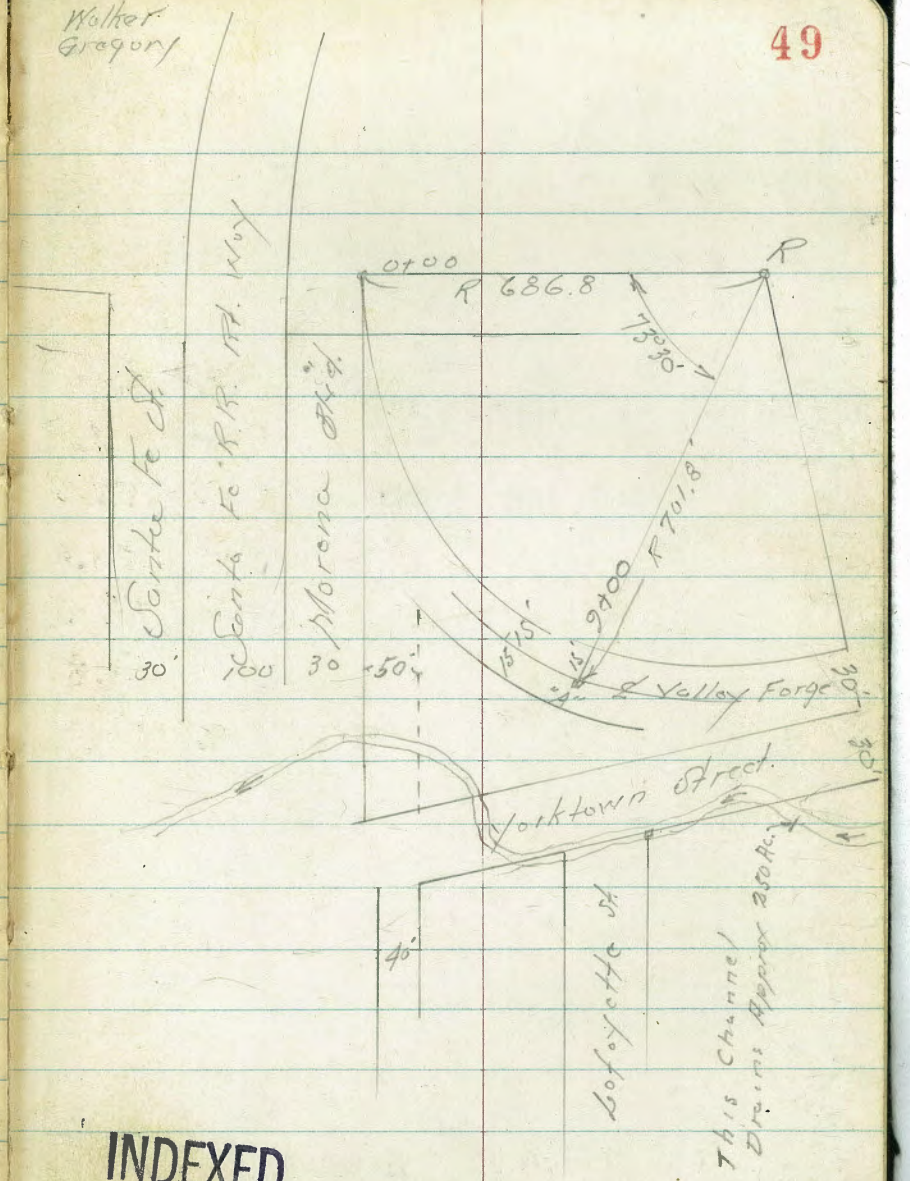
Azimuth Clockwise from "A" R

Stadia	Azimuth	Vert ∠	Dist.	Diff. Elev.	True Elev.
340'	96°28	-1°26 on 10.0	340.78	13.53	61.4
160	108°58	-2°16' on 15.0	160.75	16.36	58.5
114'	131°11	-5°44' on 10.0	114.54	16.43	58.5
128'	181°59'	-8°02'	126.48	17.85	57.0
219'	217°23'	-5°29'	217.99	20.92	54.0
277'	234°38	-4°35	276.22	22.14	52.8
356	252°59	-3°48'	355.43	23.61	51.3

Balance channel location
See Cross Section Notes FB 1851 - P. 55-56

INDEXED
W.K.
JAN 5 1950

Walker Gregory



INDEXED
W.K
JAN 5 1950

Cross Sections - PASADENA ST.
from Morena Blvd
to Yorktown - Sketch P-43

1+06 = Int. ℄ Channel, Drains 200 Acres

INDEXED
W. R.
JAN 5 1950

0+95

0+75

0+50

0+05

0+00 on ℄ Hub. 483

729 61.28 5399

Walker
Popo
R. Sisson
12-27-49

56.6 55.6 55.3 51.0 49.1 49.1 51.5 52.1 53.4 53.5
4.5 30 | 5.5 15 | 6.0 13 | 10.3 5 | 12.2 ℄ Channel | 12.2 3 in Channel | 9.8 7 | 9.2 15 | 7.9 26 | 7.8 40

56.9 55.5 55.4 48.7 49.2 51.2 49.9 52.8
4.4 30 | 5.8 15 | 5.9 | 12.6 9 | 12.1 15 ℄ channel | 10.1 20 | 11.4 30 | 8.5 40

56.9 56.0 55.1 53.4 53.1 50.9
4.4 30 | 5.3 15 | 6.2 | 6.9 15 | 7.6 21 | 10.4 30 N Bank Pitch

56.5 55.9 55.1 54.0 52.1 50.4
4.8 30 | 5.4 15 | 6.2 | 7.3 15 | 8.6 27 | 10.9 34

55.6 55.2 53.1 53.2 55.1 55.4 54.1
5.7 30 | 6.1 15 | 7.6 | 8.1 5 | 5.6 7 | 5.9 15 | 6.6 30

55.6 54.7 54.1 56.45 55.1 54.5 54.0
5.7 30 | 6.6 15 | 7.2 5 | 4.83 on Hub. | 5.6 15 | 6.8 23 | 7.3 30

61.28

B.M. FB 1851
on Top of Rail 16.5' Rt. of Sta. 1+89 55

PASADENA

Cross Sections

3+00			
T.P. 7.45	60.49	8.24	53.04
2+50			
2+00			
1+78			
1+50			
1+27			
	61.28		

Lt. | ℄ | Rt.

56.2	55.3	55.4	52.9	55.3	65.5	55.5
4.3 / 30	5.2 / 15	5.1 / 7	7.6 ℄ channel	5.2 / 3	5.0 / 15	5.0 / 30
		60.49				

55.0	54.2	54.2	52.0	54.2	54.8	54.6	54.5
6.3 / 30	7.1 / 15	7.1 / 10	9.3 / 6	7.1 / 3	6.5	6.7 / 15	6.8 / 30
			℄ channel				

54.9	54.2	51.5	53.5	54.1	55.6	56.9	51.0
6.9 / 30	7.1 / 15	9.8 / 8	7.8	6.6 / 12	5.7 / 15	4.4 / 22	4.3 / 30
		℄ channel					

54.1	53.1	51.3	51.3	53.7	55.2	55.9	54.2
7.2 / 30	8.2 / 22	10.0 / 15	10.0 / 14	7.6 / 7	6.1	5.9 / 15	4.1 / 30
			℄ channel				

54.6	54.1	51.1	51.0	53.9	54.5	55.6	55.7
6.7 / 30	7.2 / 25	10.2 / 20	10.3 / 15	7.4 / 6	6.8	5.7 / 15	5.6 / 30
			℄ channel				Nodge Stone Bd.

55.6	55.1	51.4	50.7	51.2	54.8	54.4	54.4
5.5 / 30	6.2 / 20	9.9 / 15	10.6 / 12	10.1 / 7	6.5	6.9 / 15	6.9 / 30
			℄ channel				
				61.28			

Pasadena St. Lt Rt.

Cross Sections

0.01
1+84.35 FB 1851-44 56.43
Check Hub 4.07 56.42

3+41.88 = diag. Sec. on NL Yorktown

" " Section Radial

3+41.88 = Int. NL Yorktown

60.49

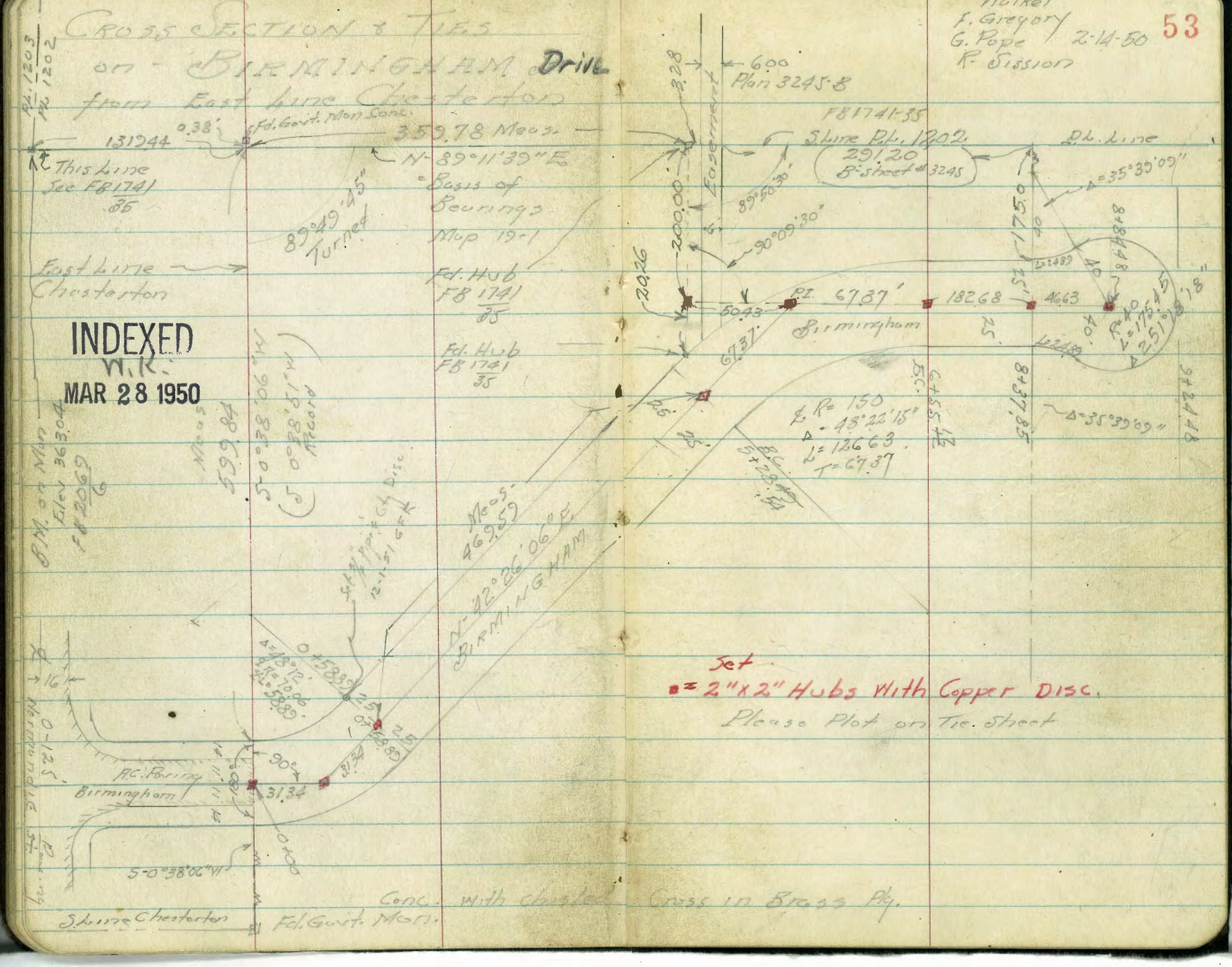
56.1 5.0 5.9 5.9 5.1
4.4 5.5 6.6 6.8 4.6 4.6
25.16 10 5 3 24.89
NE Cor. Yorktown — E channel — NW Cor. Yorktown

56.2 56.0 5.5 5.2 5.1 5.1 5.6 5.8
4.3 4.5 5.0 6.3 6.8 4.8 4.7 4.7
30 15 9 5 5. Edge Ch. 2 15 30

60.49

Walker
F. Gregory
G. Pope
R. Sisson
2-14-50

Cross Section & Ties on Birmingham Drive from East line Chesterton



INDEXED
W.R.
MAR 28 1950

Set
■ = 2"x2" Hubs With Copper Disc.
Please Plot on Tie Sheet

2-14-50

Birmingham St. Cross Sections

54

Rechecked P/S 2-15-50 Corrected 2-20-50

	Lt					Rt	
0-50	375.8 ~~382.0~~ 6.0 25	381.68 6.27 11	381.61 6.34 10	375.52 ~~381.64~~ 6.31	381.21 6.74 10	381.26 6.69 11	375.0 ~~381.2~~ 6.8 25
0-80	375.1 ~~381.3~~ 6.7 25	380.78 7.17 14.4 on N to Birmingham	380.64 7.31 11	374.26 ~~380.38~~ 7.57	379.91 8.04 9.6	380.12 7.83 11	373.6 ~~379.75~~ 8.22 25 on walk Parallel To Birmingham
0-80							
0-100	373.5 ~~378.7~~ 8.3 25 in Lawn	379.05 8.90 11	378.84 9.11 10	372.91 ~~378.53~~ 9.42	377.92 10.03 10	378.17 9.78 11	371.7 ~~377.9~~ 10.1 25 on wall
0-111.5 - E. Gutter Normandie St.	372.43 ~~378.55~~ 9.40 37	371.95 ~~378.07~~ 9.88 20	371.38 ~~377.50~~ 10.45	370.61 ~~376.73~~ 11.22 25	369.74 ~~375.86~~ 12.09 44		
0-125 - ℄ Paving in Normandie St.	373.83 ~~379.95~~ 9.00 41	372.27 ~~378.39~~ 9.56 28	371.61 ~~377.73~~ 10.22	370.71 ~~376.83~~ 11.12 25	369.71 ~~375.83~~ 12.12 49		

387.95

T.P	502	387.95	654	382.93
T.P	371	389.97	632	385.76
T.P	838	392.08	191	385.70
T.P	1321	385.61	005	372.40
	941	372.45		36.304 = U.S.G.S. Datum

℄ on Hub 0+00

See P-60

Note: all Elev. are USGS Datum
Subtract 6.12 to obtain city Datum
C.B. Walker
2-17-50

BM on Granite Mon SE Cor PL. 12.03

F.B. 2069
6

Birmingham St. - Cross Sections

	Lt.				Rt.
2+50	386.0 / 386.0 — 2.0 — 30	379.7 / 386.9 — 2.1 — 25	385.3 — 2.7 — 15	378.5 / 384.7 — 3.8	378.8 / 386.0 — 3.2 — 25	384.8 — 3.2 — 30
2+35 = Elec. Pole # 20660 285' Lt						
2+15 = Pole Anchor 30' Lt	385.2 — 2.8 — 30	378.9 / 385.1 — 2.9 — 25	384.4 — 3.6 — 15	378.0 / 384.2 — 3.8	378.7 / 384.9 — 3.1 — 25	384.9 — 3.1 — 30
2+00						
1+50	378.0 / 384.2 — 3.8 — 30 in yard	377.9 / 384.7 — 3.9 — 25		377.3 / 383.5 — 4.5	377.7 / 383.9 — 4.1 — 25	383.9 — 4.1 — 30
1+00	377.5 / 383.7 — 4.3 — 30 in yard	377.5 / 383.7 — 4.3 — 25	383.1 — 4.9 — 22	377.0 / 383.2 — 4.8	376.8 / 383.0 — 5.0 — 25	376.6 / 382.8 — 5.2 — 30
0+58.89 = E.C.	377.1 / 383.3 — 4.7 — 30	376.8 / 383.0 — 5.0 — 25	376.7 / 382.9 — 5.1	382.7 — 5.3 — 7	376.0 / 382.2 — 5.8 — 25	376.0 / 382.2 — 5.8 — 30
0+29.45 = ℄ Curve	377.4 / 383.6 — 4.4 — 30	377.4 / 383.6 — 4.6 — 25	377.4 / 383.3 — 4.7	377.1 / 383.3 — 4.7 — 25	376.9 / 383.1 — 4.9 — 30	
P.C. ℄ = 0+00 = End Existing Pav't	377.3 / 383.5 — 4.5 — 30	377.1 / 383.3 — 4.7 — 25	383.00 — 4.95 — 11	376.8 / 382.98 — 5.02	382.86 — 5.09 — 11	376.3 / 382.5 — 5.5 — 25	376.3 / 382.5 — 5.5 — 30
				387.95			

Birmingham St - Cross Sections

	Lt.								Rt
5+28.54 = BC. on ℄ Hub 606									
5+28 16' Lt. = 6" Evl. Tree									
5+08 Guy Pole 19.3' Rt									
5+00	388.5		382.15 ~~388.6~~		382.6 ~~388.7~~		383.7 ~~389.8~~		389.8
	5.8		5.7		5.6		4.5		4.5
	30		25				25		30
	388.3		382.4 ~~388.5~~		382.8 ~~388.7~~		383.4 ~~389.7~~		389.7
	6.0		5.8		5.4		4.6		4.6
	30		25				25		30
4+50	387.7		381.4 ~~387.6~~		381.3 ~~387.4~~		382.3 ~~388.4~~		388.4
4+45 = Elec Pole #20659 14.8' Lt.	6.6		6.8		6.9		5.9		5.9
	30		25				25		30
4+22 = Pole Anchor 18' Lt.	386.8		380.7 ~~386.8~~		380.4 ~~386.5~~		381.1 ~~387.2~~		387.4
4+00	7.5		7.5		7.8		7.1		6.9
	30		25				25		30
	385.6		379.5 ~~385.6~~		379.3 ~~385.4~~		379.4 ~~385.5~~		385.7
	8.7		8.7		8.9		8.8		8.6
3+50	30		25				25		30
					394.32				
T.P. 2.38 394.32 301 384.94	385.4 ~~385.4~~		379.12 ~~385.4~~		378.8 ~~385.3~~		378.7 ~~384.4~~		384.5
3+13 to 3+89 16 Rt = Hedge	2.6		2.6		3.0		3.1		3.5
3+00	30		25				25		30
387.95					387.95				

Birmingham Dr. - Cross Sections

57

7+52 = 24" Date 18.5' Lt.

7+50

7+47 = 10" Plumosa 17.5' Rt.

7+44 = 12" Plumosa Tree 18.5' Lt.

7+29 19.5' Lt = 3" Tree

7+24 = 16" Palm 17.5' Rt

7+21 = 10" Poplar 19.5' Lt.

7+09 = 12" Plumosa Palm 19' Lt.

7+03 = 5" Euc. Tree 19' Lt.

7+00

6+76 = 12" Plumosa Palm 19' Lt.

6+55.17 = E. C. on Hub 4.01

6+35 = 12" Plumosa 21.5' Lt.

6+10 Elec Pole # 90658 23' Lt.

6+00 16" Pine 26' Lt.

5+50

5+47 = Elec. Pole 17' Lt.

Lt.				℄		Rt.	
~~393.6~~	~~387.5~~ ~~393.6~~	~~393.5~~	~~392.6~~	~~386.3~~ ~~392.4~~		~~385.9~~ 392.0	~~391.7~~
0.7	0.7	0.8	1.7	1.0		2.3	2.6
30	25	17	15			25	30
~~392.7~~	~~386.4~~ ~~392.5~~	~~392.2~~	~~391.5~~	~~385.5~~ ~~391.6~~		~~384.7~~ ~~390.8~~	~~390.6~~
1.6	1.8	2.1	2.8	2.7		3.5	3.7
30	28	18	16			25	30
~~391.7~~	~~385.4~~ ~~391.5~~		~~384.5~~ ~~390.6~~			~~384.3~~ ~~390.4~~	~~390.2~~
2.6	2.8		3.7			3.9	4.1
30	25					25	30
~~390.0~~	~~384.0~~ ~~390.1~~		~~383.0~~ ~~390.1~~			~~384.1~~ ~~390.2~~	~~390.2~~
4.3	4.2		5.2			4.1	4.1
30	25					25	30
~~388.0~~	~~381.9~~ ~~388.6~~		~~382.5~~ ~~388.6~~			~~383.3~~ ~~389.4~~	~~389.6~~
6.3	6.3		5.7			4.9	4.7
30	25					25	30
			394.32				

INDEXED
Law
JUN 16 1952

Birmingham St. - Cross Section

			Sec. Rt Δ to Back Tan.
8+84.98	= Radius Bunjo		
8+81	6" Palm	33.5' Lt.	
8+79	= 4" Palm	33' Rt.	
8+59	= 4" Plumosa	27.5' Lt.	
8+57	= 4" Plumosa	27.5' Rt.	
8+41	= 6" Pine	23' Rt.	
8+37.85	= B.C. on Hub	7.9'	
8+37	Elec. Pole # 90603	20.5' Lt.	
8+32	= 8" Tree	17.5' Rt.	
8+22	= 12" Plumosa	18.5' Lt.	
8+19	4" Tree	17.5' Rt.	
8+16	21' Lt. Pole Anchor		
8+05	= 14" Plumosa	17.5' Rt.	
8+00			
7+95	9" Tree	18.5' Lt.	
7+83	12" Plumosa	19' Lt.	
7+79	6" Plumosa	17.5' Rt.	
7+73	= 24" Dato	18.5' Lt.	

		Lt.										Rt.	
		397.2		390.9 ~~397.1~~		395.7		388.10 ~~394.8~~		389.2 ~~394.4~~		386.3 ~~394.5~~	
		4.7		4.8		6.2		7.04		6.5		7.4	
		45		40		7		on Hub		00 on Ground		40	
395.9	389.3 ~~393.5~~	395.1		394.6		388.3 ~~394.5~~				387.5 ~~393.7~~		393.4	
6.0	6.4	6.8		7.3		7.4				8.2		8.5	
30	25	17		14						25		30	
		395.2		388.7 ~~394.9~~		387.2 ~~393.4~~				386.7 ~~394.9~~		392.3	
		6.7		7.6		8.5				9.0		9.6	
		30		25						25		30	

TP 9.16 401.86 162 392.70

394.32

401.86

Birmingham St. - Cross Section

Completed 8-14-50

				0.02
				363.04
Check Starting	B.M. P.S.4		6.40	363.06
T.P.	3.49	369.46	11.31	365.97
T.P.	0.40	377.28	12.17	376.88
T.P.	2.20	389.05	6.81	386.85
T.P.	3.71	393.66	11.91	389.95

10+00

9+75

401.86

9+24.48 See Sketch

9+10 6" Palm 0.8' Lt

9+04.48 Sec. Rt Δ to Back Tan

9+03 22' Rt 6" Palm

9+03 23' Lt 12" "

	Lt				℄		Rt
				403.1	402.2	402.3	
				+1.2	+0.3	+0.4	
				25		25	
	401.8	401.7	401.1	401.0	400.2	399.8	399.5
	0.1	0.2	0.8	0.9	1.7	2.1	2.4
	25	20	19	10		25	30
			N edge Dirt Road	In Dirt Road			
	398.3	397.9	398.0	397.1	397.0	396.9	396.7
	3.6	4.0	3.9	4.0		5.0	5.2
	30	25	10			25	40
			Dirt Road				
		397.8	397.5	397.4	396.6	396.4	396.5
		4.1	4.4	5.3		6.3	6.5
		39.6	34.6			34.6	39.6
			Prop. Line 401.86			Prop. line	

Check Bench Marks
For Birmingham Street
Cross Sections

Walker
F. Gregory
G. Pope
R-Sission
2-17-50

→ U.S.G.S Datum

363.04 = Granite Mon by Hendricks F.B. 2069 / 6

Levels between these points by Hendricks F.B. 2069 5-6

0.01
422.17 = Record of State Plans
422.16 = State U.S.G.S

6.12 +

Check B.M. Conc. Mon	029	416.04	F.B. 2069:5	on City Boundary East Side Linda Vista Road
T.P. 12.54	416.33	022	403.79	
~~0.52~~	~~415.21~~			
~~F.P. 11.94~~	~~415.73~~	~~022~~	~~403.79~~	
12.10	404.01		391.91 ℄	Aero Drive G 262-29

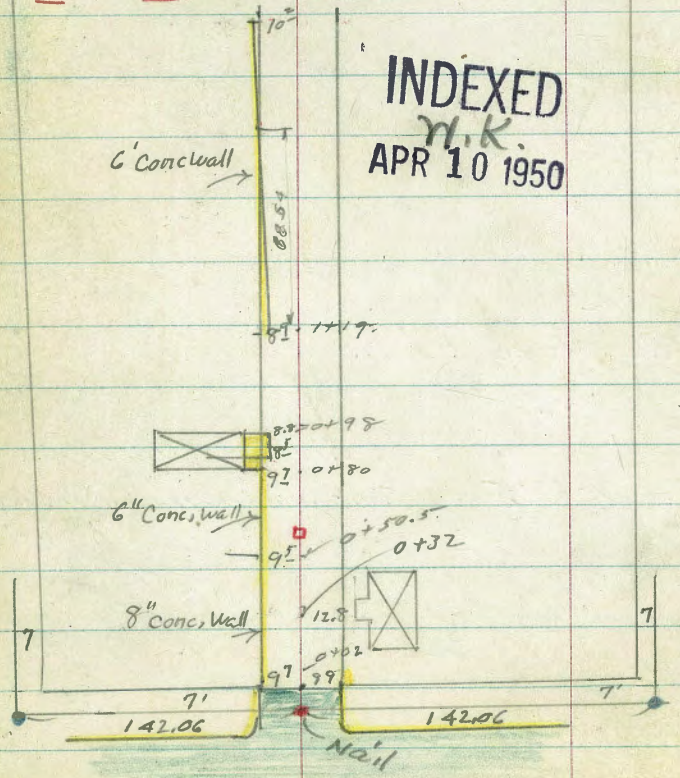
X-Sec. Alley Blk. 12½ City Hgts. Annex #1
From Dwight to Landis
between Chamoune + 45th

Sommermeyer
Allen
Sherman

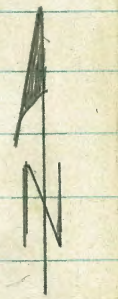
4-6-50
W.O. 31892

T.W. = Top of wall.
B.W. = base of wall footing
• = Fd. 7' L+T.
⊛ = set nail in Pave.
▫ = set ½ hub
(W) = ctr. water meter box.
G = gutter
el. = top of el.
Outs taken to property side of poles.

Map 1027
Tie sheet 3648
F.B. 1555/76



INDEXED
N.K.
APR 10 1950

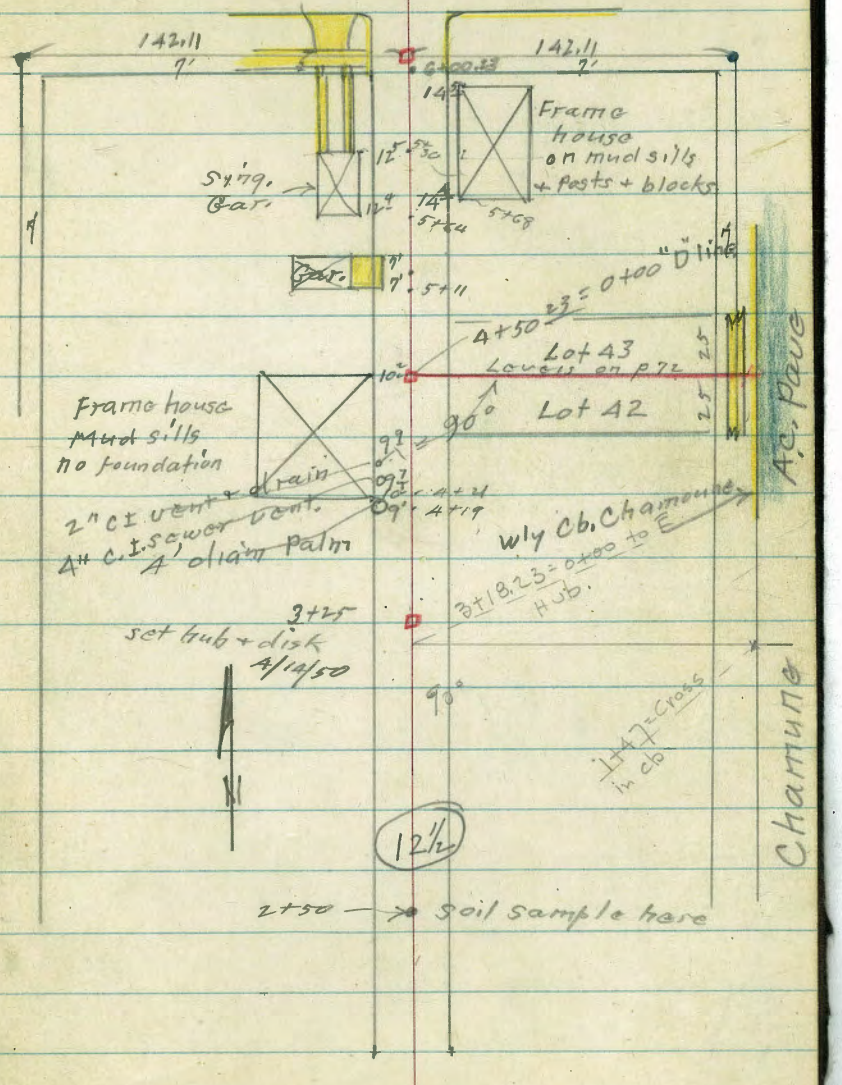


REDUCED 4-10-50 P.V.S.

Alley

61

Landis St
unpaved. street



Alley Blk 12½
City Hgts. 4/7/50

9.7 = start Conc. wall. 8" wide
9.9 Lt. = End Conc. wall

0+02 9.9 Rt. = end Conc. wall 8" wide

also = face E. & W. wall
9.9 Lt. = start Conc. wall.
0+00.1 9.9 Rt. { also start 6" Conc. wall. Face of E & W. Conc. wall

Note { B.W. = base of wall footing
T.W. = Top of wall

also = end A.C. Pave. & alley curbs.
0+00 = N. line Dwight

9.92 Lt. = E.C. 2' Rad. ch. Rot.
0-12 9.85 Rt. = E.C. 2' Rad. ch. Rot.

0-14 = Nly Ch. line Dwight

T.P.	8.50	343.47	1.43	334.97
	12.40	336.40		324.00 N.W.B.P.

Chamoune & Dwight.

4

340.6	340.6		338.8
2.9	2.9	9.6	4.7
10	9.9	9.9	9.9
	T.W.	B.W.	G

7

342.0	337.0	338.8	337.3	7.3	336.2	336.1	337.9	337.9	338.4	338.4
1.5	6.5	4.7	6.2			7.4	5.6	5.6	5.1	5.1
9.9	9.9	9.9	G			6	9.9	9.9	9.9	10
T.W.	B.W.							B.W.	T.W.	

340.4	337.0	337.0	7.6	335.9	335.7	335.3	330.1
3.1	6.5	6.5		7.8	8.2	5.4	
9.9	9.9	9.9		9.9	9.9	9.9	
T.W.	B.W.	Grd.		Grd.	B.W.	T.W.	

337.02	336.62	7.76	335.71	335.32	335.32
6.45	6.85			8.15	8.15
9.92	9.92			9.85	9.85
ch. end	G			G	ch. end

337.01	336.38	8.05	335.42	334.64	335.12
6.46	7.09			8.83	8.35
9.92	9.9			9.85	9.85
ch.	G			G	ch.

341.14	340.67	337.04	336.39	339.19	335.31	334.44	334.23	334.80	330.04	330.64
2.33	2.80	6.43	7.08	7.28	8.16	9.03	9.24	8.59	13.43	12.83
60	60	12	12	10		10	12	12	60	60
ch	G	ch	G				G	ch B.C.	G	ch.

343.47

Alley Blk 12½ City Hgts.

0+51 9' Rt. = (W)

0+50.6 9.5 Lt. = start 6" conc. wall.

0+50.5 9.5 Lt. = end 8" conc. wall

0+50 - 9' Rt. = (W)

0+38.5 - 12.3 Rt. = end House

0+35 - 8' Lt. = (W)

0+32 - 12.8 Rt. = start cor. of house

0+30

0+12

343.3 / 342.3 / 341.3 / 341.8
1.2 / 2.2 / 1.7
9.5 / 9.5 / 9.5
T.W. / B.W. / End

343.8 / 340.9 / 341.8
0.7 / 2.6 / 1.7
10 / 9.5 / 9.5
T.W. / B.W. / End.

343.8 / 341.8 / 340.8 / 340.5 / 340.7 / 340.6 / 340.0
0.7 / 1.7 / 2.7 / 3.0 / 2.8 / 2.9 / 3.5
10 / 9.5 / 4 / 6 / 10 / 20
T.W. / End

340.4
3.1
12.8
End at house

343.8 / 340.2 / 340.1 / 340.0 / 340.2 / 340.4
0.7 / 3.3 / 3.4 / 3.5 / 3.3 / 3.1
9.7 / 9.7 / 5 / 5 / 10
T.W

343.6 / 339.2 / 340.2 / 339.0 / 338.1 / 338.4 / 339.6 / 340.1 / 342.3
0.9 / 4.3 / 3.3 / 4.5 / 5.4 / 5.1 / 3.9 / 3.4 / 3.2
9.7 / 9.7 / 9.7 / 6 / 6 / 8 / 10 / 15
T.W. / B.W

343.47

Alley Blk 12½ City Hgts.

1+14 - 7' Lt. = (W)

1+08 - 12⁵ Lt. = ± Sing Gar. dirt floor

0+98 - 8⁸ Lt. = end conc. apron

0+82⁵ = Jog in apron. from 9² out to 8⁵ out

0+81 9' Lt. = (W)

0+80 Cont.

0+80 - 9² Lt. = end 6" wide conc. wall also = start apron to garage

0+74 9' Rt. = (W)

0+61 - 8⁸ Lt. = Pole # P.A. 3609

0+60⁸⁸ = ± P.O.T. ½ Hub

0+53 - 9' Rt. = (W)

℄

340.6	340.4		339.1	338.9	339.8	338.7	
2.9	3.1	4.4	4.6	3.7	6.6		
12⁵	10		7	10	25		
at Gar.							

341.37	341.04	340.78	340.6	339.4	339.0	337.5	
2.10	2.43	2.69	2.9	4.1	4.5	6.0	
12⁵	10	8⁸	8⁸		10	25	
Gar Floor		Apron					

341.15	341.11	340.88	
2.32	2.36	2.59	
10	9²	8⁵	
	on apron		

341.39	341.15	341.12	
2.08	2.32	2.35	
12⁴	10	9²	
Gar. Floor	on Apron	Apron	

341.5	340.5	340.9	340.6	340.0	340.0	338.6	
2.0	3.0	2.6	2.9	3.5	3.5	4.9	
9²	9²	9²	5		10	25	
T.W	B.W						

343.47

Alley Blk. 12½ City Hgts.

10² Lt. = end conc. wall also = Face E. + W. wall.

2+00 - 9¹ Lt. = Pole N P.A.3631

1+77 9' Lt. = (W)

1+71 9' Rt. = (W)

1+69 9⁶ Lt. = line of wall.

1+50 9¹ Lt. = Line of wall.

T.P. 3.29 341.65 5.11 338.36

1+28 - 10' Rt. = (W)

1+17 8³ Lt. = start 6" Conc. wall

1+18

341.4	336.1	337.2	337.1		336.9	337.2	336.9	335.1
0.3	5.0	4.6	4.6	4.8	4.5	4.8	6.0	
10²	10²	10	4		4	10	25	
T.W.	B.W.							
341.3	341.3	337.5	338.1		337.5	337.3		
0.4	0.4	4.2	3.6	4.2	4.4			
10	9⁵	9⁵	9⁶		10			
on wall	T.W.	B.W.	Gnd					
342.1	341.5	341.3	337.1	338.0	338.1	337.9	336.4	
10.0	0.2	0.4	4.6	3.7	3.6	3.8	5.3	
25	10	9¹	9¹	9¹		10	25	
Filled	Gnd.	T.W.	B.W.	Gnd				

341.65

343.5	343.3	341.3	338.4	338.4	338.4	336.9	
0.0	0.2	2.2	5.1	5.1	5.1	6.8	
25	10	8⁹	8⁹		10	25	
Filled in	Gnd.	T.W.	Gnd				
340.4	341.3	337.8	338.8	338.7	338.1	340.3	336.6
3.1	2.2	5.7	4.7	4.8	4.8	3.2	6.9
10	8⁹	8⁹	8⁹		7	10	25
Gnd	T.W.	B.W.	Gnd				
340.2	340.1			338.7	338.1	340.3	336.5
3.3	3.4			4.8	4.8	3.2	6.9
25	10				7	10	25

343.47

Alley Blk. 12½ City Hgts.

+18 Cont 147.1 Rt. = wly ch. line

chamouna.

3+18 = Possible drain 2' south of Property Fence.
9.2 Lt. = start board fence.

3+01 9.5 Lt. = Pol ℄ # P.A. 3647

3+00

2+94 - 14' Lt. = ℄ Sing garage. dirt floor

2+85 10' Rt. = (w)

2+62 10.4 Rt. = line of fence

2+51 10.8 Lt. = end board fence

2+50 (Soil sample on ℄)

2+25 - 10.1 Rt. = line of fence

2+17 9.8 Lt. = start board fence

2+09 11.3 Lt. = ℄ 10' wide old shed.

2+01 10' Rt. = start picket fence.

328.34 / 13.31 / 141.1 Ely. edge walk

328.25 / 13.40 / 147.1 ob

327.81 / 13.89 / 147.1 ? utter

332.0 / 9.7 / 60

331.2 / 10.5 / 62

330.6 / 11.1 / 100

328.45 / 13.20 / 136.8 wly. Edge walk

336.2 / 5.5

336.3 / 5.4 / 8

336.2 / 5.5 / 10

335.1 / 6.6 / 12

334.0 / 7.7 / 35

333.2 / 8.5 / 37

336.8 / 4.9 / 10

336.3 / 5.4

336.4 / 5.3 / 8

336.0 / 5.7 / 10

334.9 / 6.8 / 12

334.1 / 7.6 / 25

337.3 / 4.1 / 14 end at Gar.

336.1 / 3.6 / 20

337.4 / 4.3 / 10

336.5 / 5.2

336.4 / 5.3 / 7

336.3 / 5.4 / 10

335.3 / 6.4 / 11

334.0 / 7.7 / 25

337.8 / 3.9 / 10

336.9 / 4.8

337.2 / 4.5 / 4

336.9 / 4.8 / 10

341.65

Alley Blk. 12½ City Hgts.

3+99 9^{7} Lt. = pole # P.A. 3663

10^{8} Lt. = start frame house. on blocks,

3+80 10^{3} Lt. = end fence.

3+79 - 6' Lt. = (W)

3+69 - 10^{4} Lt. = start board fence.

3+63 10^{3} Lt. = ℄ Sing Car. dirt floor

3+60 - 11^{0} Rt. = start lath + post fence.

3+53 - 10^{1} Lt. = end board fence.

3+50

3+43 11^{5} Rt. = 4" C.I. sewer vent. at house

3+38 9' Rt. = (W)

3+36 11^{4} Lt. = end frame shed start board fence.

also start house. conc. foundation

3+35 12° Rt. End plywood fence

11^{7} Lt. = start frame shed - Mud sills.

3+23 9^{9} Lt. = end board fence

start plywood fence.

3+20 10^{4} Rt. - End picket fence and

$33^{6}\,1/$ 5.0 / 10

$33^{6}\,5/$ 5.2 / 5

5.5

$33^{6}\,2/$ 5.5 / 7

$33^{6}\,2/$

$33^{5}\,9/$ 5.8 / 10

$33^{4}\,9/$ 6.8 / 12

$33^{4}\,3/$ 7.4 / 25

$33^{6}\,9/$ 4.8 / 10

$33^{6}\,6/$ 5.1 / 5

$33^{6}\,2/$ 5.5

$33^{5}\,9/$ 5.8 / 10

$33^{5}\,9/$ 5.8 / 12 at house

341.65

Alley Blk. 12½ City Hgts.

4+60

4+51 $10^{\frac{1}{2}}$ Lt. = start post + wire fence.

4+50 $^{2.3}$ = ½ P.O.T. 6.04 335.34

4+50

4+49 $10^{\frac{1}{2}}$ Lt. = end frame house

+27 - $9^{\frac{1}{2}}$ Lt. = Ely. side - 2" C.I. sewer vent

4+24 = $9^{\frac{1}{2}}$ Lt. = Ely. side 4" C.I. sewer vent.

4+21 - 10' Lt. = start house - on Blocks.

4+19 - $9^{\frac{1}{2}}$ Lt. = ctr. 4' diam. palm tree

+17 10' Lt. = end same.

+14 10' Lt. = lath fence (poor condition)

4+11 $11^{\frac{1}{2}}$ Lt. = end frame house

T.P. on P.O.T. 6.04 341.38 6.31 335.34 T.P. #1
(4+50.2.3 P.O.T.)

4+00 $10^{\frac{1}{2}}$ Rt. = end lath + post fence.

4

336.9	335.8	335.6	335.4	335.3
4.5	4.6	5.8	6.0	6.1
25	10	3		10

335.9	335.4	335.4
5.5	6.0	6.0
10		10

341.38

335.8	335.7	335.4	335.0
5.9	6.0	6.3	6.7
	8	10	25

341.65

Alley Blk. 12½ City Hgts.

12E Lt. = end Gar.
5+22 7E Lt. = end Conc. Apron

5+12 8' Lt. = (W1) Set in apron

12E Lt = start Gar.
5+11 7E Lt. = start Conc. Apron

5+02 9E Rt. = pole # P.A. 3681

Nail in Pole # P.A. 3681 3.05 338.33

5+00

16 I Rt. = end Gar.
4+97 15 I Rt = end apron

16 I Rt. = start Gar. Conc. floor
4+89 15 I Rt. start apron

4+88 - 8' Rt. = (W)

4+75 - 10 I Lt. = end post + wire fence.

338.96 337.39
2.42 3.99
12E 7
Gar. Apron

338.96 337.33
2.42 4.05
12E 7
Gar. Apron

338.4 338.0 336.5 336.2
3.0 3.4 4.9 5.2
25 10 5

338.4 338.4 336.3 336.1 335.9 336.1
3.0 3.0 5.1 5.3 5.5 5.3
25 15 10 10 50

335.74 335.84
5.64 5.54
15 I 16 I
Apron End Gar.

335.57 335.71
5.81 5.67
Apron 16 I
15 I

337.1 337.3 336.1 335.6 335.4
3.7 4.1 5.3 5.8 6.0
25 11 10 10

341.38

Alley Blk 12½ City Hgts

5+30 12^{5} Lt. = End garage

5+26 10' Lt. = (W1)

on mud sills.

5+68 14^{4} Rt. = start frame house

foundation - North entrance.

12^{4} Lt. = start garage on conc.

5+64 - 12^{4} Lt. = End board fence

5+61 - 8' Lt. = (W1)

Floor is level

5+56 16^{6} Rt. = ℄ Sing. Gar. Conc. Floor

+53 12^{5} Lt. = start picket fence.

5+50

5+43 28' Lt. = ℄ Sing. Gar. Conc. Floor.

+33 7' Lt. = (W)

5+32 9" Rt. = (W)

℄

340.1

0.7 | 339.4 | 340.6 | 340.5 | 339.9 | 339.0 | 339.4 | 339.1 | 338.8

2.0 / 124 Base, Footing | 0.8 / 12 End | 0.9 / 10 | 1.5 / 5 | 2.4 | 2.0 / 8 | 2.3 / 10 | 2.6 / 14 At house

16 ℄ door

338.9 | 339.1 | 339.5 | 338.8 | 338.2 | 337.9 | 338.3 | 337.9

2.5 / 124 Base, Footing | 1.7 / 12 | 1.9 / 10 | 2.6 / 3 | 3.2 | 3.5 / 5 | 3.1 / 10 | 3.5 / 30

338.09

3.29 / 16⁶ Floor

338.5 | 338.1 | 337.5 | 337.7 | 337.8 | 338.0

2.9 / 10 | 3.3 / 5 | 3.9 | 3.7 / 8 | 3.6 / 10 | 3.4 / 25

340.37

1.01 / 28 Floor

341.38

Alley Blk 12½ City Hgts.

N.W. B.P. Landis
☆ Chamoune 4.67 340.98 (341.00)

12' Lt. } = E.C. ch. Returns.
12' Rt }

6+14 23 = Sly. ch. line Landis

9 Lt. }
6+12 3 9 Rt } = B.C. - 2' Rad ch. Ret.

9 Lt. }
9 Rt. } = start alley curbs.

6+00 23 Sly line Landis

T.P. 4.49 345.65 0.22 341.16

5+98 14 5 Rt. = end house

☆

341.95 / 3.70 / 80 / ch
341.75 / 3.90 / 50 / ch
341.36 / 4.29 / 12 / ch
340.9 / 4.18 / 12 / end
340.1 / 5.0
340.6 / 5.1 / 12 / end
341.25 / 4.40 / 12 / ch E.C.
341.06 / 4.59 / 50 / ch
340.87 / 4.78 / 80 / ch

341.37 / 4.28 / 9 9 / ch
341.3 / 4.4 / 9 9 / end
4.7
341.0
341.3 / 4.4 / 9 8 / end
341.28 / 4.37 / 9 8 / ch

341.64 / 4.01 / 9 9 / ch
341.5 / 4.2 / 9 9 / end
341.1 / 5.0 / 2
340.7
5.0
340.8 / 4.9 / 5
341.5 / 4.12 / 9 8 / end.
341.57 / 4.08 / 9 8 / ch

345.65

341.2 / 0.2 / 14 5 / End. at house

341.38

D-line
Sketch P. 61

0+88 9	4 6 Rt = start house	
0+67	3 8 Rt = end house	
0+55	8 9 Rt. 3 9 Rt. } = Jog in house	
0+46 6	8 9 Rt. = start House	
0+10	Ely line alley	
0+00 = ℄ alley (sta 4+50 ⅔ P 61)		
	4.54 339.88	335.34
= 0+00		
4+50 ⅔ ½ P.O.T. P: 68 · El. =		335.34

℄

5.1 — 3 3 4 8/ — 5.2 — 3 3 4 7/ — 4 6 at house

5.1 — 3 3 4 8/ — 5.3 — 3 3 4 6/ — 3 8 at house

5.3 — 3 3 4 6/ — 5.5 — 3 3 4 4/ — 3 9 at house — 5.7 — 3 3 4 2/ — 8 9

5.4 — 3 3 4 5/

4.5 — 3 3 5 4/

C — 4.5 — 3 3 5 4/ — C.L.

339.88

D. line

as to get fall for outlet
+ Δ To point on curb to south so
Might put clean out at Sta. 1+45

1+47 L = Wly Cb. - Chamoune

1+41 L = Ely edge walk on Chamoune

1+36 5 = Wly edge walk on Chamouine

1+21 4 5 Rt. = end house

1+13 5 4 5 Rt. / 3 5 Rt. } = Jog in house

0+95 4 5 Rt. / 3 9 Rt. } = Jog in house.

336.63 / 3.25 / 50 / cb
335.98 / 3.90 / 50 / G
334.67 / 5.21 / cb / G / Δ
334.05 / 5.83 / G
332.24 / 7.64 / 50 / G
332.79 / 7.09 / 50 / cb

336.81 / 3.07 / 50
334.80 / 5.08
332.93 / 6.95 / 50

336.93 / 2.95 / 50
334.88 / 5.00
332.97 / 6.91 / 50

334.9 / 5.0
334.8 / 5.1 / 4 5 at house

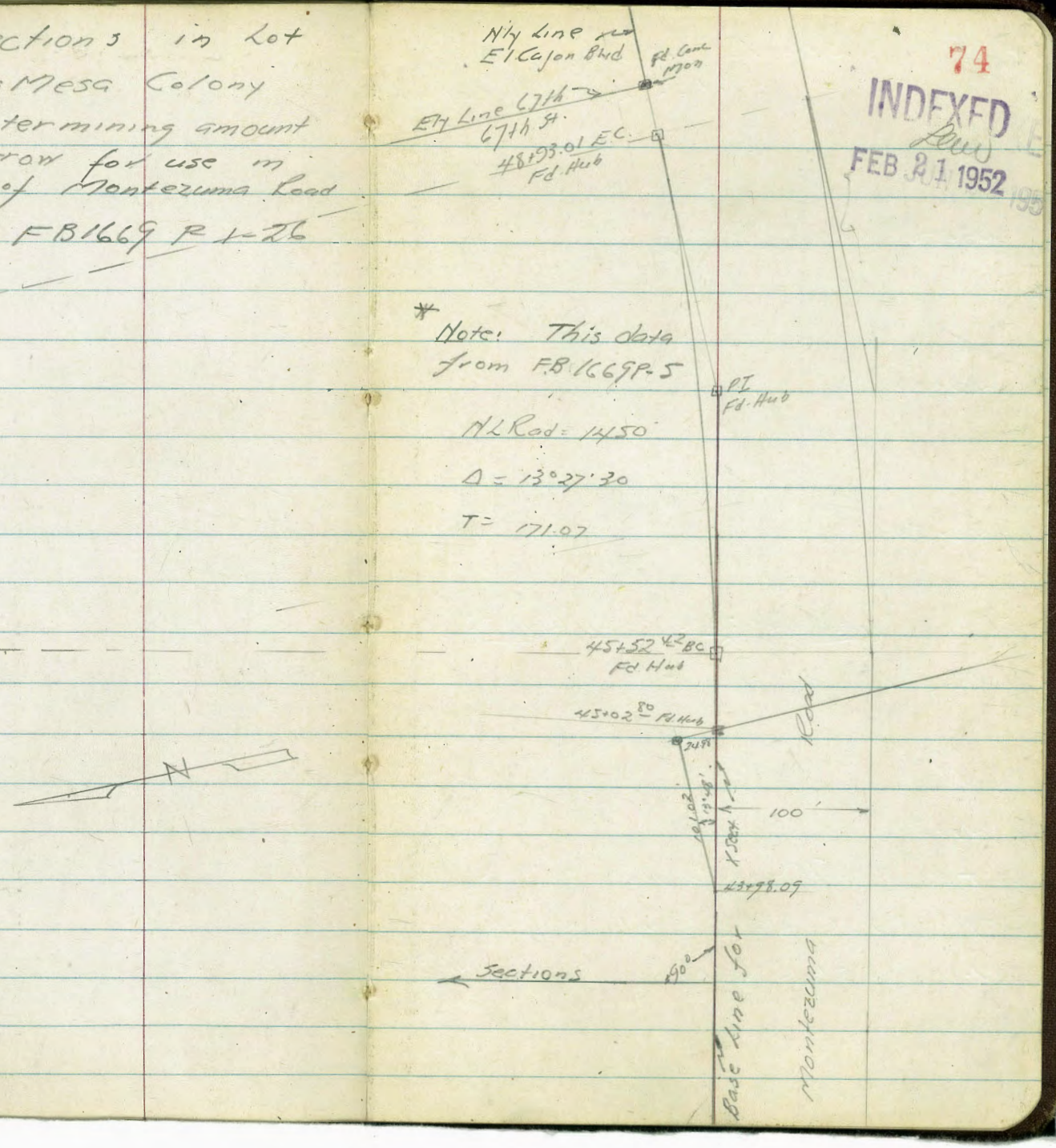
335.0 / 4.9
334.9 / 5.0 / 3 5 At house
334.9 / 5.0 / 4 5

335.0 / 4.9
334.6 / 5.3 / 3 9 At house
334.6 / 5.3 / 4 8

329.88

X Section 3 in Lot 32 La Mesa Colony for determining amount of Borrow for use in Const of Montezuma Road

Ref FB 1669 P 1-26



Baseline North Line Montezuma

Levels Montezuma Road & Lot 32 La Mesa Colony

43+50				
43+00				
42+50				
TP	11.50	455.02	0.81	443.52
42				
41+50				
TP	0.81	444.03	11.50	443.52
TP	3.56	455.02	4.75	451.46
BM-	2.51	456.21		453.70

SWBP 67 4.6 El Cajon

429.2	434.5	442.5	446.2	448.0	449.0	450.0	450.9	451.5	452.0
25.8	20.5	12.5	8.8	7.0	6.0	5.0	4.1	3.5	3.0
350	300	270	250	200	150	100	50	0	

Fence

435.8	443.5	446.8	446.8	448.6	450.0	450.3	450.2	451.5
19.2	11.5	7.2	8.2	6.4	5.0	4.7	4.8	3.5
350	300	280	250	200	150	100	50	

431.5	437.5	441.0	444.9	445.5	446.0	448.4	449.2
23.5	17.5	14.0	11.1	9.5	9.0	6.6	5.8
350	300	250	200	150	100	50	0

429.0	432.5	434.7	455.02	436.1	440.2	441.6
15.0	11.5	9.3	435.4	7.9	3.8	2.4
300	250	200	5.6	100	50	0

420.5	423.3	425.1	425.5	426.0	428.8	429.9
23.5	20.7	18.9	18.5	18.0	15.2	14.1
300	250	200	150	100	50	0

444.03

Contd. from R75

Base Line
Q. Line
Monument

BM.	1.34	453.68	453.70	Survey Q7th & E/ Cajon						
45+00					444.2	445.8	448.8	450.2	451.2	
					10	9	6	4	3	
					200	150	100	50	0	
44+50				440.7	444.1	447.1	450.3	450.7	451.6	
				14	10	7	4	4	2	
				250	200	150	100	50	0	
44+00				432.3	437.5	444.0	446.0	447.9	449.5	450.6	451.5	451.8
				22	17	11	9	7	5	4	3	3
				350	300	250	230	200	150	100	50	0
	455.02								455.02			

Levels along ℄ of Prop. Drain thru
Easement in Lot 37 - Plan - 8329-L

#4893 12-11-50
7.0.

W.O. 31832

0+60.4 = Cross Small picket fence

0+40 - 3' Lt. = ℄ 8" Pepper

0+37

0+35

0+34 = ℄ of 12" Geranium cluster.

2' Lt. = Picket Lot fence

0+14 - 1' Rt. = ℄ 2" Poplar Tree

0+10.5 = Cross Picket fence - 2' Lt. - Beg. Lot fence

0+10 - E.L. Alley

0+00 - Hub. = 3+18.23 on ℄ Sta. - See P. 61

B.M. 5.74 341.08 335.34 = Hub.

Lt. ℄ Rt

Note: Contact Charles A. Gilbert
3646 Chamouine
Owners Do Not want Drain Here

331.7	332.8	332.0	332.1	
9.4	8.3	9.1	9.0	
5	2		10	
333.9	333.7	333.2	333.1	
7.2	7.4	7.9	8.0	
10	2		10	
334.1	334.6	333.8	334.1	334.1
7.0	6.5	7.3	7.0	7.0
10	4	2 along fence		10
335.7	335.8	334.8		334.8
5.4	5.3	6.3		6.3
10	2			10
		336.1		
		5.0		
		336.02		
		5.06		
		on Hub.		

4+50.23 - P. 72

341.08

1+47.2 = W. cb. face

1+41.1 = Ely. walk

1+36.8 = Wly. Walk - Dr. on Lt. ends at walk

1+36.2 = 2' Lt. = end fence

1+12 - 9.6 Rt. = end House

1+07.5 - 1.7 Lt. = ℄ 8" Tree

0+94 - 1.5' Lt. = ℄ 6" Tree
4.3' Lt. = Beg. sly. of Conc Drive

0+86 - 3.2 Lt. = end Gar. Lot fence

0+80 = Cross Picket fence - from House to

T.P. 4.52 334.84 10.76 330.32

Lot fence Continues on

0+79.4 - 9.6 Rt. = Beg. House

0+68.1 - 3' Lt. = Beg. Gar. - Conc. floor

0+62

327.59
5.25
10-in
g.t. = in Dr.

Lt. ℄ Rt 328.72
6.12
20 = g.t.

1

329.72 330.17 329.41 329.86 329.76 329.31 329.44 329.04 329.72 329.84
5.12 4.67 5.43 4.98 5.08 5.53 5.40 5.80 6.12 6.60
g.t 13.5 g.t. 3.8 Top g.t 10 40 40
Top Conc. Drive Top Top g.t. Top g.t

330.03 329.84 329.55
4.81 5.00 5.29
5 10
edge conc. Dr.

330.11 329.95
4.73 4.89 5.16
5 = end Dr. 10

330.33 330.3 330.3 330.2
4.51 4.5' 4.5' 4.6
4.4 2 9.6 = Cor. House
Sly. Dr.

330.53 330.4 330.6 330.5
4.31 4.4 4.2 4.3
floor Gar. 3.2 9.6 = along House

334.84

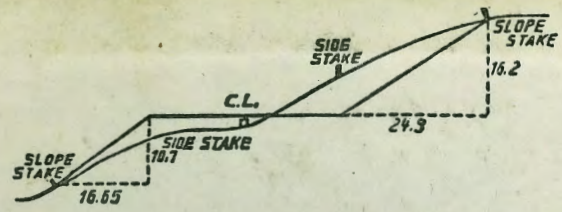
330.5 330.7 330.7 330.5
10.6 10.4 10.4 10.6 9.06
3 ground 2 9.6 floor House
along fence

331.4 331.2 331.2 331.3
9.7 9.9 9.9 9.8
5 2 10

341.08

1+57.2 = Show Pave

330.11	329.79	329.57	329.24	328.96
4.78	5.05	5.32	5.60	5.88
20	10		10	20



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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