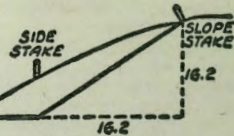


2127

MICROFILMED

DEC 5 1964



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.

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TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

These corrections are to be added to the approximate values, found by dividing the tangent, or external, for a 1° curve (Table VIII) by the degree of curve, in order to obtain the true tangents, or externals. Intermediate values may be obtained by interpolation.

FOR TANGENTS ADD

Central Angle	DEGREE OF CURVE															
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°		
10°	.03	.06	.09	.13	.16	.19	.22	.25	.28	.31	.34	.38	.42	.46		
15°	.04	.10	.14	.19	.24	.29	.34	.39	.45	.51	.53	.58	.63	.68		
20°	.06	.13	.19	.26	.32	.39	.45	.51	.58	.65	.72	.79	.84	.90		
25°	.08	.16	.24	.33	.40	.49	.58	.67	.75	.83	.90	.99	1.06	1.14		
30°	.10	.19	.29	.39	.49	.59	.69	.79	.89	.99	1.09	1.20	1.29	1.39		
35°	.11	.22	.34	.47	.58	.69	.79	.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	1.92	2.30	2.68	3.06	3.44	3.82	4.24	4.65	5.08	5.51		
100°	.43	.86	1.30	1.74	2.18	2.62	3.06	3.50	3.95	4.40	4.88	5.37	5.85	6.34		
110°	.51	1.03	1.56	2.08	2.61	3.14	3.67	4.21	4.76	5.31	5.86	6.43	7.01	7.60		
120°	.62	1.25	1.93	2.52	3.16	3.81	4.45	5.11	5.77	6.44	7.12	7.80	8.50	9.22		

FOR EXTERNALS ADD

Central Angle	DEGREE OF CURVE															
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°		
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020		
15°	.003	.007	.010	.014	.018	.023	.027	.032	.035	.039	.043	.047	.051			
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	.885	1.06	1.25	1.43	1.62	1.80	1.99	2.18	2.38	2.58		
100°	.200	.401	.604	.809	1.01	1.22	1.43	1.64	1.85	2.06	2.28	2.50	2.73	2.96		
110°	.268	.536	.806	1.08	1.35	1.63	1.91	2.20	2.48	2.76	3.05	3.35	3.66	3.96		
120°	.360	.721	1.08	1.45	1.82	2.19	2.57	2.95	3.33	3.72	4.11	4.50	4.91	5.32		

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X-Sec. Wightman - 52<sup>nd</sup> to Ogden 1

" " Shiloh Road - Ogden tollniv. 16

" " Rex Ave. - Shiloh Rd. to 54<sup>th</sup> St. 2.7

Elev. of houses & Gar. on Rex - Shiloh Rd to 54<sup>th</sup> St. 33

X-Sec. Rex - 52<sup>nd</sup> to Shiloh 36

X-Sec. Ft. Stockton Dr. Harney to Conde to Pine 44

Logan Ave. (Exten) Bonita Pl. to Loma 51-59

X-Sec Beaumont - Colima - Midway 60-64

X-Sec Alley BIK 1 - Berkeley Hts 65-72

Walker  
Pope  
R. Division  
1-23-51

CROSS SECTION Nightman St. 1  
from 52nd St. To Ogden St.  
140 31718

30' - 30'

2775

60 Univ. Ave

2775 2775

INDEXED

JAN 26 1951

A. R. STEVENS  
2-1-51

REX AVE

20

20

52nd

0000

20' - 20'

Nightman Ave

10 40 10

2780.23  
Fd. Ct. Id. Plg.

2770.28

ROAD

50'

0100

0100

REX AVE

2780.51

Fd. Pipe

HOTIUM

55-11-25

5187.74

0100

Fd. Hub

0100

353.8

2782.6

Fd. Ct. Id. Plg.

180° 04'

Not Fd.

Fd. Old 212 (6-10-53)  
ON NEWLY LINED OGDEN

1467.24

Checked T.A.S.  
6-3-53

11.50.09'

Alley 07274

0700

Fd. Spoke

0700

Fd. Hub

0-2375

OGDEN

57

Tie Street  
51822

10 15 15 10

5774

Wightman Street

Lt.

R

Rt. 2

0+35

335 2	338 0	338 2	340 1	335 3	341 4	341 2	343 0	344 2
69	61	54	50	48	27	24	11	01
35	20			4	11	18	20	35

Low 17 Low 17

0+28 = East Edge Dirt Drive, NO Garage.

336 2	337 4	335 3	337 2	336 1	339 0	340 2	341 3	342 1
79	67	58	62	55	51	32	28	20
35	20	19	15	4	13	20	35	

0+10

334 2	335 2	335 2	336 2	337 0	339 3	340 2	341 0
92	87	84	73	71	48	39	31
35	20	18		4	10	20	35

0+50 = Elaine 52ND

- L Fire Hydr. 29.4' Rt.

0-078 = L Elec Pole # 3729 20.4' Rt.

333 9	334 5	335 8	335 5	335 6
10.3	9.6	8.3	8.5	8.5
50	20		20	50

0-27.75 = L 52ND

332 1	332 2	333 5	334 23	334 2	335 2	334 6
12.0	11.2	10.3	9.8	9.9	9.0	9.5
100	50	20	11.7 11.4	20	50	100

344.06

TP 2.83 344.06 3.75 334.23

on Rim NW. 2 52ND 2 Wightman

TP 9.49 337.98 0.09 328.49

13.01 328.58 315.57

B.M. NW B.P. UNN 8 52ND FB 1576

Nightmar Street

Lt. L Rt 3

1+50

3434	3445	3449	3452	3453	3454	3493	3494
2.7	8.5	8.2	7.2	6.8	4.9	3.8	3.7
35	25	20	1	5	8	20	35

1+34.5 = L 3' Conc. Walk

3488.5	3494
423	370
202	33
Walk	Walk

1+29.5 = E Edge Conc Dr.

3486.1	3492.1
449	388
20	35
Drive	DRIVE

1+19.5 = W Side Conc Drive

3486.1	3492.1
449	385
20	35
Drive	DRIVE

1+00

3406	3421	3423	3422	3438	3452	3472	3474
12.5	10.6	9.8	9.4	9.3	7.4	5.9	5.7
35	20	16	4	4	9	20	35

0+65

3390	3400	3411	3415	3416	3442	3461
14.1	13.1	11.9	11.6	11.5	8.9	7.0
35	20	16	3531	4	20	35

TP 12.16 3531 311 340.95

0+48 = L 2' Brick Walk

34406

34406

3422.1	3438.1
127	0.13
18	24
Walk	Walk

Wightman Street

2+39.5 = E. edge Conc. Drive

Ld  
330 21/1  
239 363  
35 21.8  
Drive Drive

2+31.5 = W. edge Conc. Drive

300 20/1  
231 362  
35 21.8  
Drive Drive

2+31.0 = End Conc. Tile Wall on Rt. 21.8'

346 25/1 646 648 599 595  
32 23.5 234 21.3  
Walk Walk Walk Walk  
Steps Down

2+20 = 9' 3.5 Conc. Walk

2+03 = E. Side Conc. Drive

346 01/1 710 659  
33 21.8  
Drive Drive

2+00

345 23/1 718 665 65 58 57 46 33 31  
33 21.8 20 8 8 20 21.8  
Drive Drive Toe at wall

1+24 = N. Side Conc. Dr.

345 68/1 743 671  
33 21.8  
Drive Drive

1+20 = Beg. Conc. Tile Wall

346 1/5  
32 15  
21.8 21.8  
Ground Top  
of wall

35311

35311

Wightman Street

5

3+80

3452 Lt.  
 10.4 12.3 11.9 11.6 11.4 9.5 7.7 5.7  
 35 20 14 5 8 20 35

3+35

3448  
 11.3 11.3 11.9 10.0 10.3 9.9 9.7 7.5 6.6 5.9 5.6  
 50 35 28 14 11 5 10 20 22 35

3+20

3371  
 17.0 13.5 12.4 10.6 9.4 9.3 9.1 8.8 6.8 6.3 5.4  
 50 25 25 20 18 12 5 8 8 20 35  
 Lower

3+00

3435  
 12.6 10.1 8.6 8.5 8.2 6.3 5.8  
 35 20 14 4 20 35

on Top Wall 2+89 20' Ht.

TP 5.32 356.12 2.31 350.80

356.12

2+89 = End 8" Wall on Rt

3498  
 3.3 2.31  
 198 198  
 Ground on Top  
 at Wall Wall

2+56 = Beg 8" Cong. Tile Wall on Rt

3494  
 2.5 2.30  
 198 198  
 Ground Top Wall  
 at Wall

2+50

353.11

3448  
 8.3 6.9 5.8 5.3 5.0 3.7 2.8  
 35 20 16 7 20 35

353.11



Wrightman Street

Lt

L /

Rt

6

5+00

41	31	01	51	21	21	8
351	351	351	352	356	351	351
4.7	4.8	5.1	5.6	5.3	4.9	4.3
35	20	16	12		20	35
LOWIN	LOWIN					

4+65

31	31	21	51	8	1	5	2	01
349	340	344	345	348	341	350	351	351
6.8	7.1	6.9	7.6	7.3	7.0	5.6	4.9	4.1
35	20	16	12	5	7	20	20	35

4+99.5 = E edge DRIVE on Lt

348	348
725	798
40	28.8
DRIVE	DRIVE

4+355 = End DRIVE on Rt

350	351
600	413
202	36
DRIVE	DRIVE

4+30 = End Conc. Ret wall on Lt  
= Beg. Conc. Drive on Lt

348	348	348	344
7.25	8.09	8.63	9.4
40	28.8	20.7	20.7
DRIVE	DRIVE	WALL	

4+26 on Rt = End Conc. Tile Wall  
= Beg. Conc. Drive

21	5	21	5	10	5	2	8	1	1	1
348	341	346	345	348	344	348	347	350	350	351
7.9	8.63	9.7	10.5	10	9.6	7.4	6.3	5.5	6.02	4.17
35	20.7	20	13	6	16	20	20	20	DRIVE	36
LOWIN	TOP WALL	GROUND	GROUND				WALL	WALL	DRIVE	DRIVE

3+90 Beg Conc. Tile Wall Lt to Conc. Wall Rt

356.12

348	348	344	348	344	347	349	350	351	351
8.65	9.7	8.72	11.7	11.4	11.2	8.3	7.0	5.2	5.1
35	35	20	20	5	5	11	20.2	20.2	35
TOP	GROUND	TOP WALL	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND	LOWIN
			at wall	356.12			at wall	at wall	



Wrightman St. Cross Sections

Shiloh Rd. To 54th

0+68 = E edge Conc. Dr on Rt

0+56 = Bag. Conc. Drive on Rt

0+54 = E edge Conc. Drive on Lt.

T.A.S.  
6-8-53

Pole-Lowered

352.00

T.P. 3.79 360.57 - 2.72

~~354.78~~

2.78

X Corrected

3.55 357.50

353.95

0.02

353.95

8+2931 F.B. 1576-30

chk on 2 stake of alloy & shiloh on Hub Replaced from orig. Position

3.55

353.97

8+56.72 FB 1576-30

3.47

354.05

T.P. 3.13

357.52

1.73

354.39

0+50

0+46 = West edge Conc. Drive on Lt.

356.12

355-01

5.56

20

DRIVE

354-78

5.59

20

DRIVE

355-17

5.40

35

DRIVE

355-22

5.35

35

DRIVE

Rx  
350

6.78

35

DRIVE

353-84

6.73

24

DRIVE

360.57

Set B.M.

Large Conc. Nail - SE. Pole Shiloh & Wrightman

353-27

2.35

35

DRIVE

353-87

2.25

24

DRIVE

350-21

2.5

20

DRIVE

354-06

1.5

36

DRIVE

354-15

1.5

35

DRIVE

354-15

1.5

35

DRIVE

353-27

2.35

35

DRIVE

353-87

2.25

24

DRIVE

356.12

(Wightman) - Shiloh to 54th  
X-sections

Lt.

R

Rt

9

2+02.5 = E. edge DRIVE

<sup>335.42</sup>  
4.95      5.16  
35      20  
DRIVE      DRIVE

1+95 = Beg. Conc. DRIVE

<sup>355.08</sup>  
4.99      5.18  
35      20  
DRIVE      DRIVE

1+20 = Beg. 4" Conc. Wall on Lt.

<sup>358.44</sup>  
5.13  
199  
Wall

1+60

<sup>334.7</sup>      <sup>354.81</sup>      <sup>336.3</sup>      <sup>335.41</sup>      <sup>355.41</sup>  
5.9      5.8      5.3      5.2      5.2  
35      20      20      20      35

1+54 = E edge Conc. DRIVE

<sup>334.24</sup>      <sup>354.24</sup>  
5.61      5.61  
35      20  
DRIVE      DRIVE

1+47      198' Rt. = L. Pole Anchor

1+44 = West edge Conc. DRIVE

<sup>354.24</sup>      <sup>354.95</sup>  
5.61      5.62  
35      20  
DRIVE      DRIVE

1+25      194' Rt. L. Pole # 5319

1+00

<sup>354.4</sup>      <sup>353.81</sup>      <sup>304.3</sup>      <sup>354.9</sup>      <sup>355.4</sup>  
6.0      6.8      6.2      5.7      5.5  
35      20      20      20      35

360.57

2+50

356.01	355.83	355.71	355.54	355.51	355.51
46	474	4.9	5.2	5.1	5.1
35	20.2			20	35
Walk	Wall				

2+00 Not Taken in order but ok

355.96	355.88	355.81	355.73	355.64	355.61
4.99	5.19	5.31	5.3	5.0	5.0
35	20.2	20		20	35
Drive	Drive				

2+49 = Req. 4" Conc Wall on Lt

355.79  
4.78  
20.2  
Wall

2+48 = E edge Conc Drive

355.78	355.87
4.59	4.70
35	22
Drive	

2+41 = W edge Conc Drive

355.91	355.87
4.61	4.70
35	22
Drive	Drive

2+38 = PC 4" Conc Wall curves into Drive

355.88  
4.99  
20.2  
Wall

2+17 = E 3' Conc Walk

360.57

355.71	355.62	
4.86	5.0	
35	19.9	
Walk	Walk	360.57

Wrightman St - Cross Section  
Bet. Shiloh & 54th

3+50

Req. 4" Conc. Wall

3+35 = E edge Conc. DRIVE

= End 4" Conc. Wall

3+27 = Beg. Conc. DRIVE

3+11

2937' Conc. Walk

3+00

2+82.6 = opp SW Cor Wrightman & Ogden

2+75.5 = 3' Conc Walk

352.3	355.26	355.51	355.1	355.0	355.0
4.3	4.79	5.1	5.5	5.6	4.6
35	20.4		20	25	35
LOWIN	Wall				

352.02	355.80	355.88			
4.50	4.67	4.69			
35	21.2	20.2			
DRIVE	DRIVE	Wall			

352.13	355.95	355.87			
4.45	4.62	4.68			
35	21.6	20.3			
DRIVE	DRIVE	Wall			

352.02	355.71				
4.55	4.79				
35	20.1				
Walk	Walk				

352.0	355.2	355.1	355.5	355.2	355.1
4.6	4.80	4.9	5.0	5.4	5.5
35	20			20	35
LOWIN	TOP 4" Wall				

352.0	355.80	355.2	355.5	355.1	355.3	355.0	355.2	355.2
4.6	4.77	4.9	5.0	5.0	4.8	4.6	4.90	5.4
35	20.3			8	9	20	20	35
LOWIN	TOP 4" Wall						PPR	

352.02	355.81				
4.55	4.71				
35	20.3				
Walk	Walk				360.57

Nightmare - Cross Sections

Bet. Shiloh & 54th

Lt. L Ft. 12

4+80

$\begin{matrix} 1.55 \\ 9.5 \\ 35 \end{matrix}$ 
 $\begin{matrix} 350.2 \\ 9.9 \\ 20 \end{matrix}$ 
 $\begin{matrix} 1.55 \\ 9.3 \\ 20 \end{matrix}$ 
 $\begin{matrix} 1.55 \\ 8.9 \\ 20 \end{matrix}$ 
 $\begin{matrix} 1.55 \\ 8.7 \\ 35 \end{matrix}$

4+60

$\begin{matrix} 0.45 \\ 7.6 \\ 35 \end{matrix}$ 
 $\begin{matrix} 350.3 \\ 7.3 \\ 20 \end{matrix}$ 
 $\begin{matrix} 1.55 \\ 7.4 \\ 8 \end{matrix}$ 
 $\begin{matrix} 1.55 \\ 7.6 \\ 8 \end{matrix}$ 
 $\begin{matrix} 1.55 \\ 7.4 \\ 20 \end{matrix}$ 
 $\begin{matrix} 1.55 \\ 7.6 \\ 35 \end{matrix}$

4+40

$\begin{matrix} 1.55 \\ 6.5 \\ 35 \end{matrix}$ 
 $\begin{matrix} 354.1 \\ 6.5 \\ 20 \end{matrix}$ 
 $\begin{matrix} 1.55 \\ 6.3 \\ 8 \end{matrix}$ 
 $\begin{matrix} 1.55 \\ 6.8 \\ 8 \end{matrix}$ 
 $\begin{matrix} 1.55 \\ 5.9 \\ 20 \end{matrix}$ 
 $\begin{matrix} 1.55 \\ 6.2 \\ 35 \end{matrix}$

4+20 = 2' Same Walk 3' Wide

$\begin{matrix} 1.55 \\ 5.73 \\ 35 \end{matrix}$ 
 $\begin{matrix} 354.1 \\ 5.73 \\ 35 \end{matrix}$ 
 $\begin{matrix} 1.55 \\ 5.34 \\ 19.4 \\ \text{Walk} \end{matrix}$

4+09 = 4' Conc. Walk, CURVES NE

4+00

$\begin{matrix} 1.55 \\ 4.8 \\ 35 \end{matrix}$ 
 $\begin{matrix} 355.2 \\ 5.4 \\ 20 \\ \text{at} \\ \text{Fence} \end{matrix}$ 
 $\begin{matrix} 1.55 \\ 5.1 \\ 12 \end{matrix}$ 
 $\begin{matrix} 1.55 \\ 5.8 \\ 12 \end{matrix}$ 
 $\begin{matrix} 1.55 \\ 5.2 \\ 16 \end{matrix}$ 
 $\begin{matrix} 1.55 \\ 5.6 \\ 20 \end{matrix}$ 
 $\begin{matrix} 1.55 \\ 5.7 \\ 35 \end{matrix}$

3+68 = End 4" Conc. Wall on Lt

$\begin{matrix} 1.55 \\ 4.86 \\ 20.8 \\ \text{Wall} \end{matrix}$

3+54.5 = 3' Conc. Walk

$\begin{matrix} 1.55 \\ 4.29 \\ 35 \\ \text{Walk} \end{matrix}$ 
 $\begin{matrix} 355.2 \\ 4.65 \\ 20.6 \\ \text{Walk} \\ \text{-Wall} \end{matrix}$ 
 $\begin{matrix} 360.57 \end{matrix}$

Wightman Cross Sections  
 Bet. - Shiloh to 54th

Lt.  $\frac{1}{2}$  Rt. 13

4.92 320.07

Set B.M. to 54th 20' North of E Wightman  
 hdy Tr. in Conc. Pav. 325.07

TP 2.70 324.99 13.01 322.29

Conc. Nail 235 East of E 54th  
 in Pole of Wightman

5+80

327.81 7.5 35	326.21 7.1 20	325.51 6.8 20	325.7 5.4 20	329.9 5.4 35
335.30				

TP 0.25 335.30 13.00 325.05

5+56

332.7 15.4 35	332.81 15.3 20	333.5 14.5 20	334.3 13.8 20	334.0 14.1 35
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5+33

339.0 9.1 35	339.4 8.7 20	340.0 8.1 20	341.7 7.9 20	341.0 7.1 35
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5+20

342.7 5.0 35	343.8 4.3 20	344.21 3.9 20	345.4 2.7 20	345.2 2.4 35
348.05				

TP 0.38 348.05 12.90 347.67

5+00

347.8 13.7 35	347.7 13.6 20	347.2 12.9 20	347.1 12.5 20	348.7 12.5 35
360.57				



6+36

<sup>320 1/2</sup> 48 50	<sup>319 2/3</sup> 57 20	<sup>315 1/2</sup> 65	<sup>317 1/2</sup> 77 20	<sup>314 1/2</sup> 103 50
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6+29.8 = East edge Conc. Pav.

<sup>319 2/3</sup> 528 100	<sup>320 1/3</sup> 465 77	<sup>320 1/2</sup> 452 62	<sup>320 1/2</sup> 462 41	<sup>315 8/11</sup> 515 20	<sup>318 2/3</sup> 609	<sup>317 1/4</sup> 735 20	<sup>315 3/5</sup> 969 50	<sup>311 5/11</sup> 1363 100
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6+14.8 = 54th Sec. un Pav.

<sup>319 8/11</sup> 515 100	<sup>220 2/3</sup> 427 65	<sup>320 5/11</sup> 441 41	<sup>320 2/3</sup> 432 20	<sup>314 2/3</sup> 592	<sup>317 8/11</sup> 718 20	<sup>315 3/5</sup> 944 50	<sup>311 5/11</sup> 1345 100
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5+99.8 = West Edge East Conc. Paving.

<sup>319 2/3</sup> 543 100 Pav.	<sup>320 8/11</sup> 445 65 Pav.	<sup>320 5/11</sup> 446 50 Pav.	<sup>314 8/11</sup> 515 20 Pav.	<sup>318 2/3</sup> 609 Pav.	<sup>311 5/11</sup> 740 20 Pav.	<sup>315 2/3</sup> 970 50 Pav.	<sup>311 3/11</sup> 1369 100 Pav.
--	--	--	--	-----------------------------------	--	---	--

5+24

<sup>320 1/2</sup> 45 50	<sup>319 2/3</sup> 51 20	<sup>319 2/3</sup> 60	<sup>317 1/4</sup> 76 20	<sup>315 2/3</sup> 100 50
--------------------------------	--------------------------------	--------------------------	--------------------------------	---------------------------------

5+21 ELEC. 20' RT = Pole 70419

5+89.8 = N.W. 54th St.

<sup>321 1/3</sup> 31 50	<sup>321 1/3</sup> 35 35	<sup>321 2/3</sup> 38 20	<sup>321 1/3</sup> 35	<sup>317 1/2</sup> 57 20	<sup>317 1/2</sup> 73 35	<sup>312 1/3</sup> 90 50
--------------------------------	--------------------------------	--------------------------------	--------------------------	--------------------------------	--------------------------------	--------------------------------

324.99

Wightman - Cross Sections

Lt.

L

Rt.

15

$\frac{0.01}{\text{Page 32} = 313.22}$   
 IP Jet B.M.      6.59    313.23

L Rex St +  
 L 54th North Run MH

T.P. 1.7    317.82    684    318.15

6 + 39.8 = E. L. 54th  
 324.99

202	51	312	51	51
4.8	52	5.3	5.4	6.9
50	20		20	50

324.99

SHILOH ROAD - CROSS SECTION  
 from Ogden to Univ. Ave  
 1-24-51 40 31718

Lt. \$ Rt. 16  
 Walker  
 G. Popo  
 R. Sission  
 1-24-51

0+50

<sup>3549</sup> 43  
 Low 17  
<sup>3539</sup> 44  
 25  
 Low 17  
<sup>3540</sup> 43  
<sup>3550</sup> 33  
 25  
<sup>3551</sup> 32  
 28  
 on ground  
 at House

0+45 - N edge Drive on Lt.

<sup>3542</sup> 406  
 35  
 Drive  
<sup>3541</sup> 415  
 21.8  
 Drive

0+37 = S. Edge Drive " "

<sup>3542</sup> 403  
 35  
 Drive  
<sup>3542</sup> 410  
 21.8  
 Drive

0+27.5 = Alley on Lt.

<sup>3539</sup> 4.4  
 50  
<sup>3537</sup> 4.6  
 25  
<sup>3539</sup> 4.4  
<sup>354</sup> 3.6  
 25  
<sup>3541</sup> 3.4  
 35

0+00 diag Sec N. Ogden

<sup>3535</sup> 1.8  
 50  
<sup>3532</sup> 1.6  
 28.5  
<sup>3534</sup> 4.0  
<sup>3542</sup> 3.6  
 28.5  
<sup>3550</sup> 3.3  
 50

0-2275 Sec diag. on  
 Ogden

<sup>3535</sup> 4.7  
 50  
<sup>3532</sup> 4.4  
 28.5  
<sup>3542</sup> 4.1  
 358.30  
<sup>3546</sup> 3.7  
 28.5  
<sup>3547</sup> 3.4  
 50

435 358.30 353.95 B.M. on stake P-8 S. Alley S. Shiloh Rd.

17

Stilob Rd.

1+67, 24 = S. Nightman

1+50

1+48 N.S. Rt Pole Anchor

1+15 = End. Conc. Tile Wall on Lt.

T.P. 181 356.59 353 354.78

1+00

0+86 = Beg. Conc. Tile wall, 25' Lt

0+86 - N edge Conc. Drive

0+78 - S " " "

358.30

3

Lt.

Rt.

Rt.

18

353.1

352.51

358.1

354.1

352.4

35

3.8

2.5

2.5

2.2

25

3.8

9

16

25

353.2

353.2

353.0

353.1

354.1

353.5

33

34

36

3.5

3.5

2.7

35

25

36

10

25

35

354.51

354.1

203

30

252

25

Wall

at wall on ground

356.59

356.58 a.p.s.

353.9

353.2

354.21

352

354

51

354.5

354.5

44

46

354

4.6

9.2

3.8

3.8

3.8

35

26

252

25

5

25

35

354.81

343

25

on wall

354.01

421

35

Dr

354.19

411

25

Drive

354.10

420

35

Drive

354.20

410

25

Drive

358.30

Stuloh Rd.

St. L. 19

0 + 81 = Bag Drive  
End Conc Wall

35264  
394  
18.2  
Drive

35271  
379  
25.2  
Wall Drive

35342  
316  
25.2  
Wall

35301  
355  
32  
Dr.

0 + 65

3514  
5.0  
35  
3512  
4.9  
25  
3511  
5.1  
9  
3512  
4.9  
14  
3512  
4.9  
18  
3511  
4.0  
248  
3512  
3.7  
248  
3514  
3.7  
25  
Ground Wall

0 + 53 = Bag Conc. Tile Wall

3519  
3.7  
24.8  
Ground

3501  
3.13  
24.8  
Wall

0 + 50

3527  
3.9  
35  
3530  
3.6  
25  
3511  
3.5  
20  
3514  
5.0  
10  
3511  
4.8  
14  
3511  
4.5  
19  
3514  
4.0  
25  
3530  
3.8  
30  
Lower Lower Lower  
at House

0 + 25 not taken in order

3511  
5.8  
35  
3512  
4.9  
25  
3514  
5.0  
14  
3511  
4.7  
37  
25  
Lower Lower

3529  
3.7  
35  
3531  
3.5  
35  
3531  
3.5  
35  
Lower Lower

0 + 36 = 4' Conc. Wall

35271  
3.87  
18.2  
Wall

35301  
3.57  
30  
Wall

0 + 00 = N.L. Nightman

3513  
5.1  
35  
3521  
4.4  
3525  
4.1  
25  
356.59  
35  
A.P.V.

Stuloh Rd.

St.

R.

Rt. 20

1+40.25 = Alley

<sup>352.3</sup> 43	<sup>352.0</sup> 46	<sup>352.1</sup> 55	<sup>351.1</sup> 54	<sup>350.7</sup> 57	<sup>351.5</sup> 51	<sup>352.0</sup> 46
50	40	25		13	25	35

1+31.5 = Pole 32+10 J.P. 3823 163' Rt.

1+30.5

<sup>351.27</sup> 471	<sup>352.51</sup> 405	<sup>352.26</sup> 382
145	26	30
Drive	Drive	Drive

1+22.5 = Beg. Conc. Drive

<sup>351.24</sup> 464	<sup>352.46</sup> 412	<sup>352.24</sup> 384
147	25	30
Drive	Drive	Drive

1+00

<sup>351.9</sup> 47	<sup>351.2</sup> 42	<sup>351.2</sup> 49	<sup>351.1</sup> 50	<sup>352.4</sup> 42	<sup>352</sup> 40	<sup>352.2</sup> 37
40	25		13	18	25	32
				Lowin	Lowin	Lowin

0+99.5 = N end Wall

<sup>350</sup> 40	<sup>355.13</sup> 315
255	255
Lowin	Wall

0+87 = N edge Conc. Drive 183' Rt. fog. Conc. Title used

<sup>352.47</sup> 399	<sup>352.43</sup> 315	<sup>352.51</sup> 395	<sup>352.78</sup> 360
183	253	253	32
356.58 A.P.S. 356.59	Dr. Wall	Drive	Drive

Stuloh Rd. X-sections

Lt.

R

Rt

21

		342	342	341	341	347	347	347	348	349	350
2+25		33	33	32	25	29	25	15	15	05	+03
		40	30	25	7		15	18	25	30	30

350.01  
350.01  
D.P.S.

Lowin Lowin

T.P. 2.92 350.01 900 347.59

2+00

	348	348	348	348	349	350	350
	80	80	81	81	7.8	6.7	6.1
	40	25	7		14	17	25

6" Fence

1+84 = Hedge Conc. Drive on R

351	350
5.47	4.51
2.45	.34
Drive	Dr

1+67 = Bag. Conc. Drive on Rt

350	350	350	350	351	351	351
6.0	6.3	6.6	6.6	6.7	6.1	5.44
35	25	7		13	16	2.3

Drive

Drive

1+64 = End 4" Conc. Wall

343	350
5.4	4.91
2.5	2.53
	Top wall

1+48 = Bag. 4" Conc. Wall on Rt

356.59

356.59

351	351
5.1	4.71
2.5	2.51
Ground	Top wall

Stiloh Rd.

Lt.

2

Rt. 22

TP 1.76 339.35 12.42 337.59

339.34  
aps.

4"  
Beg. Conc. Wall

0+00 = N.W. Rex Ave

337 5/4	337 4	338 2/4	339 1/4	339 2	340 1/4	341 1/4
12.46	12.6	11.76	10.8	10.3	9.8	8.6
5.6	5.8	24.9	10		17	25
Wall	Ground	Wall	Ground			

3+00.51 = E Rex Ave

338 4	339 2	340 2	342 1
11.6	10.8	9.3	7.3
5.0	2.5		2.5

Set BM Conc. Nail in Pole  
SE Rex & Stiloh Rd.

340 346.61

2+92

339 4	339 8	341 2	343 0
10.6	10.2	8.7	7.0
3.5	2.5		2.5

2+82

342 2	342 9	342 4	342 2	342 1	344 7	346 4	347 6
8.8	8.1	7.6	8.3	7.9	7.3	5.6	4.4
3.5	2.5	8	5		1.8	1.8	2.5

2+80.51 = S Line Rex.

6.4  
3.5  
Low

343 5	343 5	344 4	344 10	343 8	342 2	344 2	346 7	347 6
6.4	6.4	7.6	7.5	8.2	7.8	7.2	5.3	4.4
2.5	1.9	1.8	7	5		1.3	1.8	2.5
Low								

2+79 165 ft. = E Pole JP 3849

2+50

344 5	344 2	345 6	345 9	345 3	345 2	345 2	345 2	346 7	347 5	351 3
5.5	5.3	4.4	4.1	4.7	4.8	4.8	4.8	3.3	2.5	0.8
3.0	2.5	1.7	7	5			1.3	1.7	2.9	2.5
Low	Low									Low

350.01

353.95

BM on State R-8

350.00  
aps.



Shiloh Road

Lt.

R

Rt. 23

1+11 Beg. Conc. Ret. Wall on R

850  
260  
Top Wall = Ground.

1+00

331 <sup>7</sup>	332 <sup>2</sup>	331 <sup>0</sup>	331 <sup>7</sup>	330 <sup>2</sup>	331 <sup>2</sup>	330 <sup>7</sup>	331 <sup>3</sup>	331 <sup>9</sup>	331 <sup>7</sup>
7.6	7.1	7.5	7.6	8.6	8.1	8.4	8.0	7.4	7.4
35	26	25	12	8	8	11	12	25	30

0+75

334 <sup>5</sup>	335 <sup>1</sup>	334 <sup>1</sup>	333 <sup>7</sup>	334 <sup>2</sup>	334 <sup>9</sup>	334 <sup>8</sup>	334 <sup>2</sup>
4.8	4.2	4.7	5.6	5.1	5.3	4.5	4.5
35	26	25	8	5	12	25	30

0+53 N. edge Conc. Walk Runs East & West

330 <sup>4</sup>	251 <sup>23</sup>
330	251
35	25
Walk	Walk

0+50

334 <sup>5</sup>	334 <sup>8</sup>	334 <sup>7</sup>	334 <sup>3</sup>	334 <sup>5</sup>	334 <sup>2</sup>	334 <sup>1</sup>	334 <sup>6</sup>
269	254	26	30	28	34	2.8	2.7
274	253	25	22	18	8	13	17
Walk	Walk						25
							30

0+25 = E 3' Conc. Walk on L

337 <sup>23</sup>	337 <sup>37</sup>	337 <sup>25</sup>	337 <sup>2</sup>	337 <sup>7</sup>	337 <sup>2</sup>	338 <sup>4</sup>	338 <sup>4</sup>	338 <sup>3</sup>	339 <sup>5</sup>	339 <sup>5</sup>
251	195	195	2.1	1.9	1.6	1.0	0.9	0.0	+0.2	+0.2
34	27.4	Walk	25	11	7	10	14	18	25	30
	Walk	25.2								

Bay Side Walk Parallel to Shiloh

0+23.5 = End 4" Conc. Wall

339.35

195	174
25.2	Walk
Walk	24.9
	339.35
	339.34
	0.01

Stiloh Rd.

Lt.

Rt.

Rt.

24

2+46 17.5' Rt. = Pole D-32107-T

2+40

320 31	321 0	320 4	319 4	320 31	320 31	323 37	324 0	324 2
7.1	6.4	6.0	8.0	7.1	7.1	3.5	3.4	3.2
35	25	15	11	12	20	25	35	35

2+10

322 1	322 2	322 1	321 4	322 0	322 1	324 6	325 0	325 5
5.3	4.7	4.9	5.6	4.6	4.4	2.8	2.4	1.9
35	25	13	11	13	21	25	35	35

1+80

324 1	324 0	324 3	324 8	324 5	324 5	324 4	326 0
3.3	2.4	3.1	3.6	2.9	2.8	2.0	1.4
35	25	11	9	15	25	35	35

1+62 = 10' wide Driveway to Cabinet shop

326 46  
0.97  
29  
Floor

327.43  
AP.S.

T.P. 102 327.44 1293 326.42

1+45 11 = N.L. Alley

327 51	327 2	326 7	326 5	326 5	327 2	327 2
11.8	12.1	12.6	13.3	12.7	12.1	11.0
35	25	11	9	25	35	35

1+30 = 16' Rt. = Pole F.P. 3873

1+30 = End Curve, Ret. Wall

339.35

328 7	328 51	328 21	327 51	327 2	327 2	327 2	327 8	330 59
10.6	10.8	11.1	11.8	11.6	11.6	11.1	11.6	8.75
35	25	10	8	16	17	16	26	26

339.35  
AP.S.  
Top wall

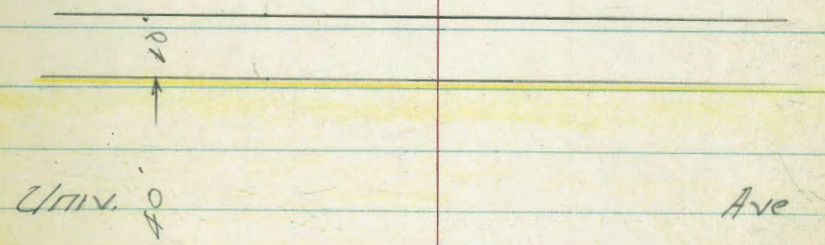
Skilob Road

SW Ret.

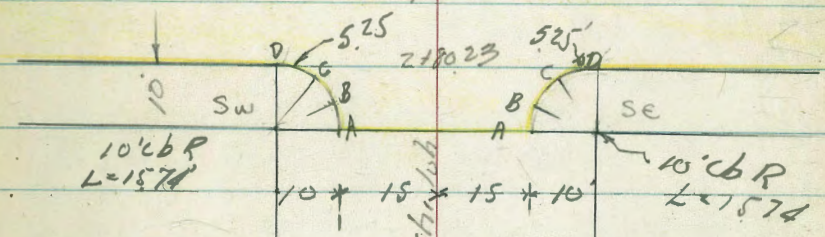
317 63	317 02	317 72	317 10
980	1041	970	1030
C	C	B	B
cb.	Gut.	cb	Gut.

SE Return

318.28	318.59	318.54	318.97
916	855	904	847
B	B	C	C
Gut	cb	Gut.	cb.



21784 = Pole JP 5301 26' Rt.



217023 = S.L. Univ. Ave

317 5	318 2	318 2	317 24	317 21	318 23	318 21	318 21	318 2	318 2
98	91	87	965	1022	920	92	856	77	66
50	50	25	cb	Gut	Pole	A	A	25	50
			A	A		A	cb		

~~218023 = S.L. Univ. Ave~~

2168 16.7' Rt = Pole Anchor

318 5	318 2	318 3	318 1	318 3	318 2	322 3	322 2	322 4
88	85	81	93	91	87	51	47	40
35	25	15	15	13	13	20	25	50
			327.41					

Stilts Road

St. L Rt. 26

Finished  
1-24-51

	314 14	313 25	315 20	315 25	315 21	316 26	318 14	317 61	319 14	318 24	320 23	321 32	323 20	324 23
181576-30														
9.02														
			0.02											
			31840											
			31842											
Chk & Par. L Univ. & Stilts Rd														
3+90.23 N. Ch Univ. Ave	1327 100 Cb	1378 100 Gut. Cb.	1168 50	1215 50 Gut.	1062 25 Cb.	1115 25 Gut.	927 0 Cb	982 Gut.	829 25 Gut.	771 25 Cb.	671 50 Gut.	611 50 Cb.	350 100 Gut.	290 100 Cb.
3+00.23 L Univ. Ave Sec. on Par.				314 24	314 37	317 23	318 42	319 41	319 51	321 04	324 49			
				1269 100	1106 50	1020 25	952	786 25	631 50	294 100				
2+80.23 S. curb Univ. Ave	1233 100 Cb.	1295 100 Gut.	1071 50 Cb.	1139 50 Gut.	983 25 Cb.	1053 25 Gut.	956 Gut.	880 25 Gut.	834 25 Cb.	737 50 Gut.	677 50 Cb.	773 100 Gut.	732 100 Cb.	

CROSS SECTION - REX AVE.

from Elmer Shiloh Road

To Elmer 54TH Street

177X11 Lt. 2 Ft. 27

Walker  
Pope  
Shepherd

NO 31718

0+50

341.7	343.9	345.0	345.2	345.4	346.0	345.9	347.0	348.0	349.1
14.9	12.7	11.6	10.8	11.2	10.6	10.7	9.6	8.1	7.0
35	21	20	12	11		8	9	20	30

0+40

342.0	342.7	344.2	344.4	345.2	345.1	346.1	348.2	349.2
14.6	13.2	11.8	11.8	11.2	11.3	10.5	8.4	7.4
35	20	13	12		8	9	20	30

0+39.5 = End Cobble wall

Req. Cobble wall

344.7	343.7	343.2
11.89	13.9	12.90
26.7	26.5	20.7
Top Cobble wall	Ground	Cobble wall

0+05

341.8	341.8	341.9	342.0	342.1	342.5	343.3	344.0	344.7	346.6	348.9
14.8	14.8	14.7	14.1	14.5	13.7	13.3	12.1	9.9	8.0	7.7
35	23	20	14	13		8	9	20	27	35
Level	Level									

0+00 = Elmer Rex Beg. Cobble wall on Lt.

?

340.2	342.5	344.2	344.9	344.0	342.4	342.0	344.0	346.0	344.4
15.9	13.7	15.2	14.7	15.1	14.0	13.8	12.6	10.8	10.2
35	21.2	20	14	13		8	10	20	30
Top Wall									

1001 356.62

346.61

B.M. Nail Pole SE Rex & Shiloh Rd  
Page 22

REX AVE - CROSS SECTIONS

Lt.

Rt.

Rt. 28

1+82 = Garage on Lt. Conc. Floor

349.2  
740  
44.3  
Garage Floor

1+78 = End 4" Conc. Wall

350.45  
617 56 52 49 47 13 3.8  
202 14 10 11 20 30  
Wall = ground

1+28 = Top 4" Conc. Wall

347.2  
89 86 80 82 74 76 69 66 63 57 44  
30 21 20 12 7 9 10 20 30  
Top Wall Low

1+27 = End Cobble Wall on Lt.

345.9  
107 816 82 79 76 69 66 63 57 44  
30 21 20 12 7 9 10 20 Low

1+04 = East Edge Conc. Ribbon Drive on Rt.

345.26  
676 487  
201 35  
Drive Drive

1+00

345.1 345.51 347.3 348.0 347.8 348.6 348.7 349.2 349.2 350.9  
11.5 10.8 9.3 8.6 8.8 8.0 7.7 7.3 6.9 5.7  
35 21 20 12 11 8 9 20 30

0+95.5 = West Edge Conc. Ribbon Drive on Rt.

349.23 351.72  
679 490  
201 35  
on Drive Drive



# REX AVE CROSS SECTIONS

Lt.

Rt.

Rt.

30

Bay 8" Conc. Tile Wall  
4+0.5 = East edge Drive on Lt

344.03	348.26	348.51	349.43
444	371	38	504
35	23.4	20.5	20.5
Drive	Drive	Ground	Wall

End 8" Wall  
3+9.5 = West Edge Conc. Drive 233' Lt.

346.15	348.20	350.03	349.2	350.0	350.1	350.3	350.2	350.9	351.1
432	352	247	33	2.5	2.3	2.1	1.8	1.6	1.4
35	233	20.5	20	15		14	15	16	30
Dr.	Drive	Wall							

3+90 Bay 8" Conc. Tile Wall

350.05	342	352.47
20.5		
Top Wall		

TP 1.27 352.47 548 351.20

3+50 = E. Conc. Drive 10.5' wide (Flat)

351.92	352.01	352.1	351.5	361.1	353	353.2	354
4.70	4.61	4.3	4.1	4.2	3.1	2.9	2.3
35	199	10		11	16	20	30
Drive	Drive						

3+40 = End 8" Conc. Tile Wall on Lt

352.21	352.93
4.4	3.69
20.3	20.3
Ground	Top Wall

3+31 = East Edge Drive

351.41	352.75
5.21	3.69
35	20.3
Drive	Drive

3+15 = W. Edge Drive on Lt  
356.62

351.40	352.94
5.22	3.68
35	20.3
Drive	Drive
	356.62



PEX AVE - CROSS SECTIONS

Lt. Lt. Rt. 31

5+60

321 4  
7.1 6.8 6.5 5.9 5.4  
40 20 20 20 40

32846

T.P. 0.45 328.46 12.69 328.01

5+15

330 1  
9.2 9.3 9.3 8.4 7.5 6.3  
35 20 15 20 35

34070

T.P. 0.50 340.70 12.27 340.20

4+80

334 6  
18.0 15.7 15.0 14.6 13.3 11.6  
35 20 15 20 35

4+41

342 2  
10.5 8.1 7.6 7.0 6.4 5.3 5.3  
41 20 15 10 20 30

4+40

342 2  
6.2 6.5  
35 21

342 6  
4.8 7.9 7.4 6.8 6.3 5.8 5.2  
20.4 20 15 10 20 30  
Well

4+90

346 4  
6.1 5.49 6.1 5.6 5.2 4.9 4.6 4.2  
35 20.5 20 15 15 20 30

347 0  
Well

352.47

352.47

REX AVE CROSS SECTIONS

Lt. L Rt. 32

Completed  
1-25-51

$$P-15 = \frac{001}{313.23} = 313.22$$

North  
Chk. B.M. Rim N.H. & Rex + 54th

6+29.9 = East Edge Paving

310.14	311.54	312.41	312.96	313.42	314.44	315.41
8.50	7.08	6.23	5.68	5.22	4.20	3.23
100	50	20		20	50	82

6+14.9 & 54th Sec. on & Paving

310.25	311.50	312.61	313.22	314.28	315.24	316.20
8.39	6.84	6.03	5.42	1.86	2.90	2.34
100	50	20	Kim M.H. N. Side P-15	20	50	100

5+99.9 = West edge Conc. Pav. Sec. on Pav.

309.92	311.50	312.34	312.92	313.52	314.41	315.22
8.66	7.14	6.30	5.72	5.12	4.20	2.72
100	50	20		20	50	100

5+96

311.21	312.41	313.21	313.61	314.21
7.4	6.2	5.5	5.0	4.4
50	20		20	50

TR 209 318.64 1191 316.55

318.64

5+91.4 = Pole Anchor 8' Lt

5+90.4 = Pole 31' Lt

5+89.9 = W.L. 54th

328.46

316.21	316.61	317.51	317.21	317.71
12.3	12.0	11.0	11.3	11.1
40	20		20	40

328.46

W.O. 31718

3-21-51

- 7.0.

Elev. of Houses + Gar. on Both  
Side of Rex - Shiloh to 54<sup>th</sup>  
See P. 27 for Reg. Sections - Actual  
Elevations shown

3+25 - 51.9 Lt. = ± Doub. Gar. Conc. floor

3+15 - 56 Rt. = ± House

2+68 - 44.7 Lt. = ± House

2+23 - 55 Rt. = ± House

1+82 - 44.4 Lt. = ± Sing. Gar. - Conc. floor

1+66 - 37.5 Lt. = ± House

1+17 - 20.3 Rt. = ± 3' flag walk + ± House

1+14 - 37 Lt. = ± House

1+00 - 41 Rt. = ± Gar. - Conc. floor

0+22 - 51.2 Lt. = ± House

0+18 - 37.2 Lt. = ± House

Lt.

←

Rt.

33

351.19  
51.9 = floor

351.0 351.23  
ground 44.7  
floor

354.33 356.13  
46.5 56  
walk at floor  
porch House

356.83 353.9  
55 ground  
floor House

349.39 349.15  
44.4 42.8  
floor Gar. Conc. apron

350.19 349.2  
37.5 ground  
floor

352.88 351.92 354.75  
20.3 28.4 35.3  
walk at floor  
porch House

347.01 345.6  
37 ground.  
floor

351.83  
41  
floor

349.5 352.13  
ground 51.2  
floor

341.85  
37.2 = floor  
House

Lt.

±

Rt.

4+19- 46.3 Lt. = ± House

348.88 346.7  
46.3 floor ground

3+99- 50.5 Lt. = ± Sing. Gar - Conc. floor

347.74  
50.5 floor Gar.

3+92- 49.4 Rt. = ± House

3+70- 45.8 Lt. = ± House

353.14 351.0  
45.8 floor ground

355.00 351.9  
49.4 floor ground

3+50- 62.6 Lt. = ± Sing. Gar. Conc. floor.

351.79  
62.6 floor

X-sec. Rex Ave  
52<sup>nd</sup> to Shiloh

22 May 1951  
W.O. 31718

Sommermeier  
Beqq  
R. Sisson  
oldman  
Fritz

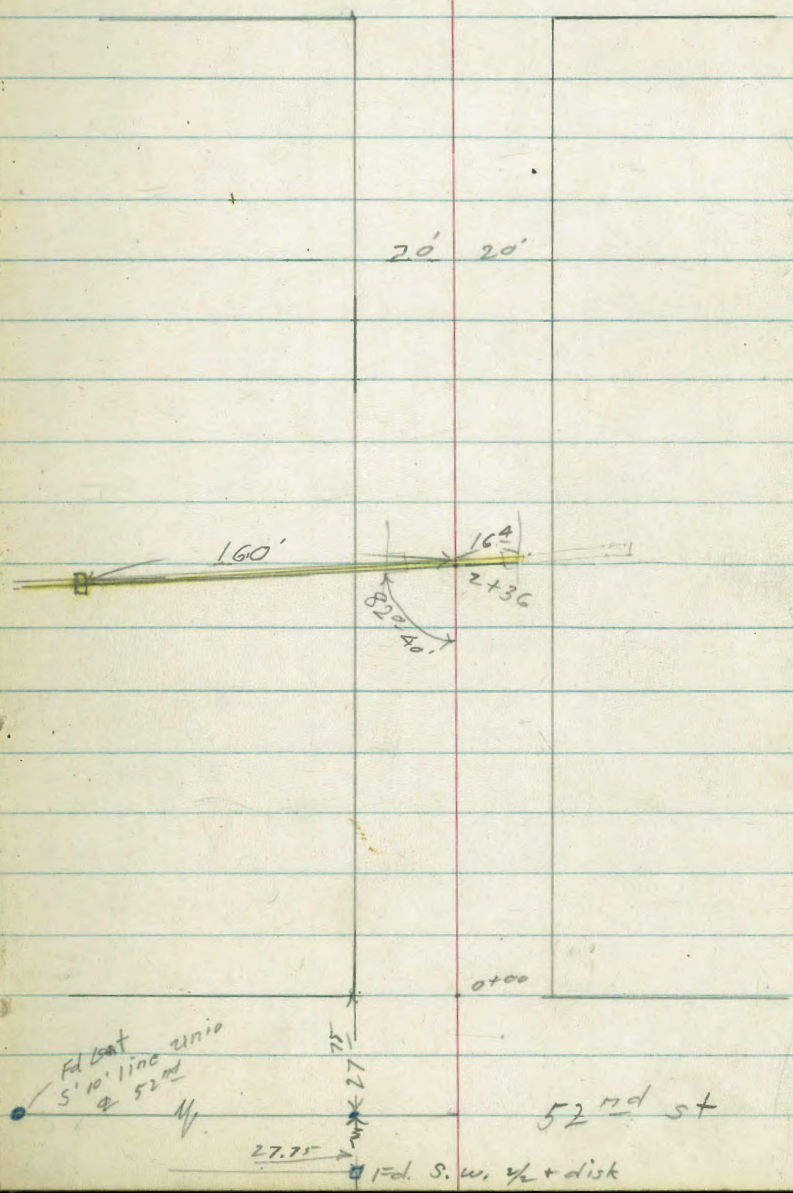
INDEXED  
MAY 24 1951

B.W. = base of wall

Reduced By G.P.S. 5-25-51

S.E. Prop pipe 36  
1553  
1

50' Shiloh road



Rev

1+14- 19<sup>5</sup> =  $\pm$  N.+S. Post + wire fence

1+12 - 17<sup>9</sup> Lt. =  $\pm$  3' wide Conc. walk

1

1m

0+90 20<sup>L</sup> Lt. = start wire + post fence

0+74 20' Rt. =  $\pm$  10' wide Conc. drive

0+65

(18" high) wall  
Rt. =  $\pm$  4" wide N.+S. Conc.

0+30 20' Rt. = end 5" wide Conc. wall.

B.W. = base of wall

(18" high)  
20' Rt. = start 4" wide Conc. wall.

0+00 = Ely. 52<sup>nd</sup>

0-27.75 =  $\pm$  52<sup>nd</sup>

6.50 337.61

331.11

N.W. Prop. pipe Wightman +52

337.61

	LT	$\pm$	RT
1+14- 19 <sup>5</sup>	$\frac{4.90}{30}$	$\frac{4.83}{20}$	$\frac{4.83}{179}$
1+12 - 17 <sup>9</sup>	$\frac{4.7}{20}$	$\frac{4.6}{13}$	$\frac{5.0}{12}$
1			5.2
1m			$\frac{5.7}{9}$
0+90 20 <sup>L</sup>			$\frac{5.7}{10}$
0+74 20'			$\frac{5.1}{20}$
0+65	$\frac{4.3}{20}$	$\frac{4.7}{13}$	$\frac{5.1}{12}$
0+30 20'	$\frac{5.0}{20}$	$\frac{5.1}{10}$	5.2
0+00 = Ely. 52 <sup>nd</sup>	$\frac{5.0}{20}$	5.1	$\frac{5.2}{11}$
0-27.75 = $\pm$ 52 <sup>nd</sup>	$\frac{5.1}{20}$	$\frac{4.8}{20}$	$\frac{4.9}{20}$

Rex.

2+39

I. E. shots only.

A 82°-40' in S.E. (see sketch)

2+36 = intersect 18" conc. culvert.

2+30

2+00

1+95 ctr. sewer M.H.

1+90 20' Pt. = start post + wire fence.

T.P. 0.64 325.16 13.09 324.52

1+89 20' Lt. = end post + wire fence

1+50

1+25

6.8  
20  
318.4

19.1  
160  
I.E. Cleanout

7.0  
30  
318.5

6.3  
30  
318.9

9.1  
20  
328.5

5.4  
20  
332.1

8.4  
13  
329.2

5.1  
13  
332.5

7.0  
10  
328.6

5.8  
12  
331.8

9.0  
8  
328.6

6.2  
8  
331.4

3.8  
321.2

325.16

9.1  
8  
328.5

6.6  
8  
331.0

7.5  
10  
330.1

5.7  
11  
331.5

6.4  
20  
331.2

5.4  
20  
332.2

6.1  
11  
319.1

160  
I.E. inlet

6.1  
13  
319.3

4.3  
8  
320.3

3.8  
321.2

325.16

9.1  
8  
328.5

6.6  
8  
331.0

7.5  
10  
330.1

5.7  
11  
331.5

6.4  
20  
331.2

5.4  
20  
332.2

6.1  
11  
319.1

160  
I.E. inlet

5.9  
13  
319.3

4.7  
8  
320.5

3.8  
321.2

325.16

9.1  
8  
328.5

6.6  
8  
331.0

7.5  
10  
330.1

5.7  
11  
331.5

6.4  
20  
331.2

5.4  
20  
332.2

8.2  
17  
317.0

160  
I.E. inlet

6.1  
20  
319.1

1.8  
20  
323.4

3.8  
321.2

325.16

9.1  
8  
328.5

6.6  
8  
331.0

7.5  
10  
330.1

5.7  
11  
331.5

6.4  
20  
331.2

5.4  
20  
332.2

7.1  
20  
318.1

160  
I.E. inlet

5.6  
30  
319.6

0.6  
30  
324.5

3.8  
321.2

325.16

9.1  
8  
328.5

6.6  
8  
331.0

7.5  
10  
330.1

5.7  
11  
331.5

6.4  
20  
331.2

5.4  
20  
332.2

6.2  
30  
319.0

160  
I.E. inlet

6.2  
30  
319.0

0.6  
30  
324.5

3.8  
321.2

325.16

9.1  
8  
328.5

6.6  
8  
331.0

7.5  
10  
330.1

5.7  
11  
331.5

6.4  
20  
331.2

5.4  
20  
332.2

Rev

3+13 Cont.

3+13 22' Lt. = E.C. 6" wide Conc. wall

329 1/8  
30  
327 1/8 1/8  
23  
330 1/8 1/1  
22  
Top

327 1/2 3.4  
22  
Base G  
322 3/4 2.8  
22  
G  
322 3/4 2.8  
20  
325 9/16 5.2  
11  
6.1  
325 1/2 6.4  
7  
325 1/4 5.7  
9  
325 1/2 5.9  
20  
324 1/2 7.0  
30

3+07 28' Lt. = B.C. 6" Conc. block wall  
start wall.

329 1/2 1.2  
28  
Top  
327 1/2 3.9  
28  
Base  
326 3/8 3.1  
28  
End

3+00 66' Lt. =  $\frac{1}{2}$  Sing Gar. - dirt floor

321 5/8 3.6  
66  
Dirt Floor

20<sup>2</sup> At-2+82

T.P. Wall 9.30 331.12 3.34 321.82

331.12

2+85

330 1/2 10.4  
30  
335 0 8.2  
20  
322 8/16 2.4  
10  
322 1/2 3.1  
3.2  
8  
332 0 2.7  
10  
322 5/16 3.2  
20  
321 3/4 3.9  
30

2+8A 20<sup>7</sup> At. =  $\frac{1}{2}$  4' wide conc. walk

321 9/16 3.3  
30  
321 8/16 3.4  
20  
322 2/16 2.6  
10  
322 0 3.2  
8  
321 2 3.5  
10  
322 2/16 3.0  
20  
321 5/16 3.7  
20  
321 1/16 3.70  
20  
321 3/16 3.64  
32

2+7A 22' At. = ctr. 18" trunk Eucalyptus

2+63 21' At. - ctr. 16" trunk eucalyptus

2+45

319 5/16 5.7  
30  
319 4/16 5.8  
20  
319 2 6.0  
30  
319 2 6.0  
20  
319 5/16 5.7  
30

325.16



Rex

4+14 20' Lt. = 3' wide Conc. walk

3332	3335
6.07	6.10
30	20

+91 21<sup>E</sup> Rt. = end picket fence.

3+90 20' Lt. = start picket fence

3329	3312	3312	3315	3320	3312
6.8	7.8	8.0	8.2	7.7	7.8
20	13		10	11	20

3+83 21<sup>E</sup> Rt. = 3' wide Conc. walk

3313	3315
8.40	8.13
215	31

T.P. 10.09 339.74 1.47 329.65

339.74

3+56 21' Rt. = start picket fence

3311	33032	3293	3283	3285	3282	3285	3283	3285
0.0	0.8	1.8	2.3	2.7	2.4	2.6	2.8	2.58
30	20	14		8	9	20	36	36
							Out.	Floor

3+51 36' Rt. = Sing Bar. Conc. floor

3+41 21<sup>E</sup> Rt. = end post + wire fence.

33032	33002	3295
0.80	1.10	1.5
30	225	22
walk	walk	

3+37 22<sup>E</sup> Lt. = 2<sup>E</sup> wide Conc. walk

3297	3290	3292
1.2	2.1	1.9
225	225	22
Top	Base	End

3+35<sup>S</sup> 22<sup>E</sup> Lt. = end Conc. block wall

331.12

Rex

5+03<sup>L</sup> 20<sup>2</sup> Rt. = start conc. wall.

5+03- 20<sup>2</sup> Rt. = end comb. drive + walk.

4+98 37' Rt. =  $\pm$  Gar. door

4+92 20<sup>2</sup> Rt. =  $\pm$  conc. walk  
start comb ribbon drive

A+90

4+87 20' Rt. = end picket fence.

4+68 36' Rt. =  $\pm$  4<sup>5</sup> wide conc. steps to porch.

TR 6.72 343.76 2.70 337.0A

20<sup>2</sup> Rt. = start picket fence  
A+40 20' Lt. = end picket fence.

R { 20<sup>5</sup> Lt. = start post + wire fence. on conc.  
(base 4" wide 1' deep, below ground)

A+31 43' Lt. =  $\pm$  Sing Gar. dirt floor

339 81	339 41	340 74
1.0	4.4	3.02
20	20 <sup>2</sup>	20 <sup>2</sup>
End	Base	Top

339 81  
3.75  
20<sup>2</sup>

341 27  
2.47  
37  
Floor

339 64  
4.08  
20<sup>2</sup>

334 51  
7.3  
20

334 31  
7.5  
15

337 2  
6.6

332 9  
5.9  
10

338 81  
5.0  
12

339 21  
4.0  
20

340 1  
3.7  
36  
End

346 91  
2.85  
36  
step

343.76

334 51  
5.12  
20

334 51  
5.2  
15

334 31  
5.5  
14

334 81  
4.9

331 9  
4.8  
10

335 4  
4.1  
11

337 21  
2.5  
20

334 51  
5.2  
43

339.74

Rex.

check. T.P. page 22

1.17 346.64 (346.61)  
1.96 347.85

Nail in pole S.E. Shiloh + Rex (P 22)

342.5  
4.3  
2.1  
Top.

20' Rt. = end loose rock wall.

20' Lt. = end Conc. footing

5+89<sup>63</sup> (tie pt.  $\frac{1553}{1}$ ) = wly Shiloh

T.P. 7.40 347.81 3.35 340.41

338 14  
7.56 9.7  
20 20  
top footing end  
347.81  
339 21  
8.6 8.0 6.7 5.6 5.8  
10 13 20 20  
Base

5+63 20' Lt. = 2' wide Conc. walk

337 27  
6.49 6.30  
30 20  
walk

5+58 20' Rt. = start loose rock wall

340 5  
3.3 3.7 0.3  
20 20 20  
end base top

5+53 36' Rt. = 2 Sing Bar. Conc. floor

341 20  
2.16  
36 end + floor  
338 1  
5.7 5.3 4.8 3.5  
9 10 20

5+40

337 3  
6.5  
20  
end + top  
of footing

Continues on.

20' Lt. = end fence. Footing

5+39 20' Rt. = end 9' wide Conc. wall

340 1  
3.7 4.2 3.1  
20 20 20  
end base top

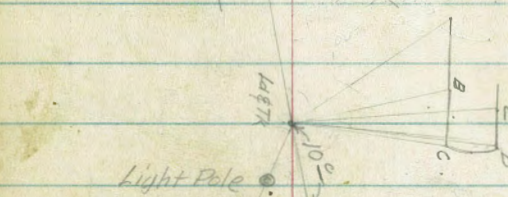
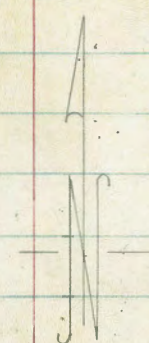
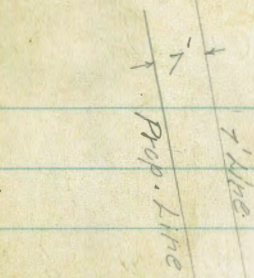
343.76

Garber Nov. 10, 51  
 Shepard Cool-Clear  
 Bruner V.I.C. 29005  
 Br.

INDEXED

NOV 14 1951

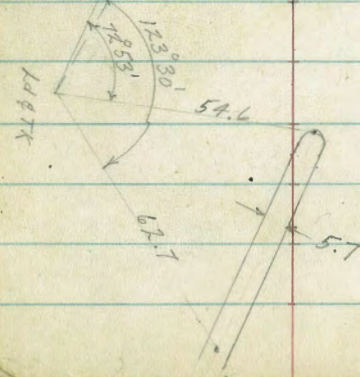
Park Blvd



Robinson

Angles turned to Rt. off 7' Line

- A  $65^{\circ}08' - 39.6$
- B  $86^{\circ}46' - 33.3$
- C  $107^{\circ}38' - 32.5$
- D  $106^{\circ}01' - 42.9$
- E  $95^{\circ}52' - 42.0$



Location of painted  
 center islands.

Park Blvd. & Robinson

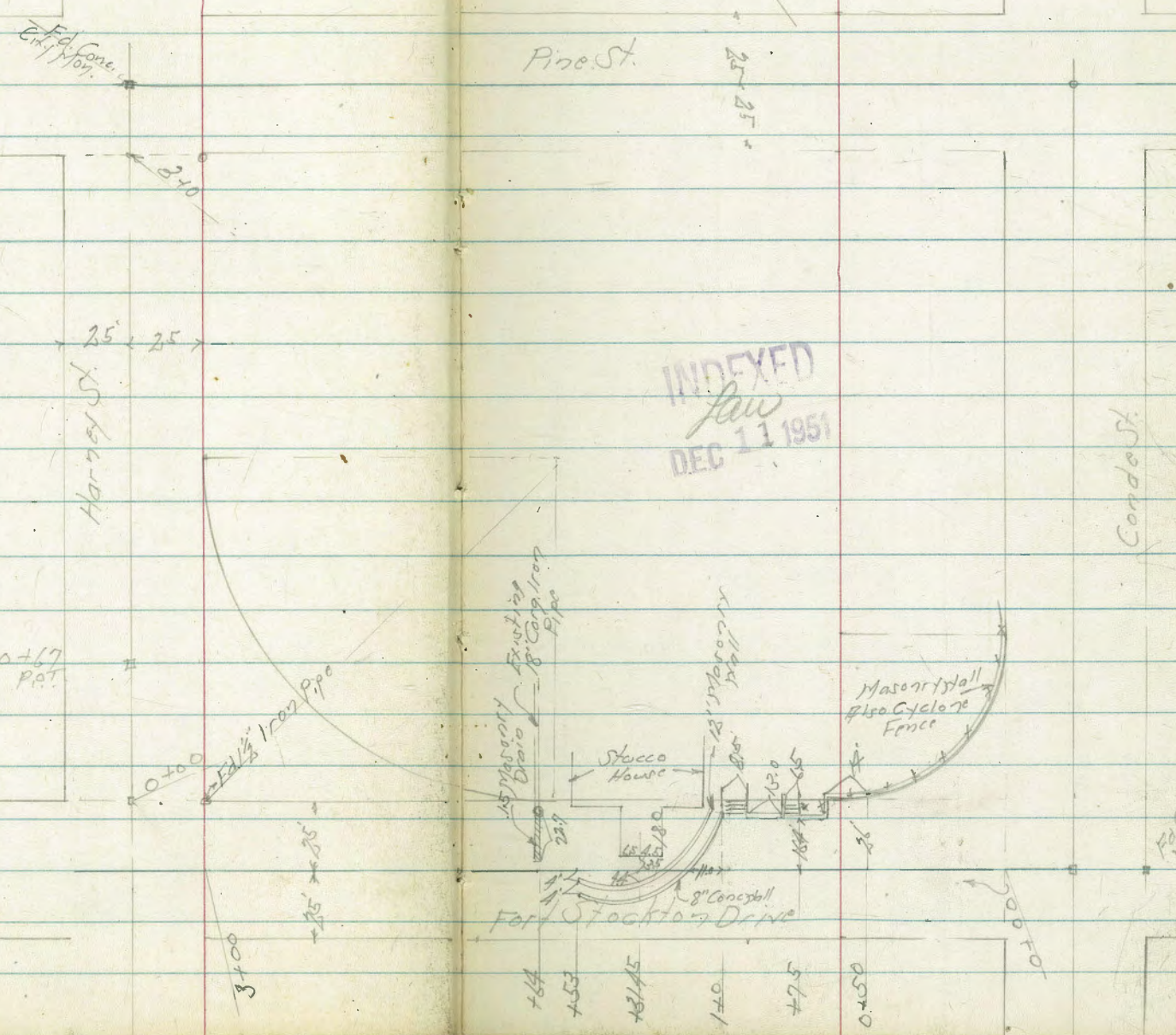
Nov. 21-51  
H. Sisson  
Korer  
Fritz  
Bishop

H.O. 25020

44

Pine St.

INDEXED  
law  
DEC 11 1951



Conde St.

0+50  
P.A.T.

Cross Section Fort Stockton Drive  
Conde to Harney

Lt South

Z

Rt. North 45

TP 11.689 205565 0.432 192.885

0+0 - West Line Conde St

-290 -12.5 18 +56 +10.0 +19.0  
58' 27' 16' 25' 47'

0-25 - 1/2

-400 -210 -93 41 +87 +172  
7 1/2 Bottom 31' 16' 25' 5 1/2 MH  
Gulch

0-50

-362 -15.0 9.55 +11.5 +220  
50 Bottom 23' 07' 25' 52'  
Gulch 194.32

4430 194317 11.540 189.887

1.470 201447 12.220 199.977

0.095 212.197 12.240 212.102

0.067 224.342 12.015 224.275

0.363 236.290 11.822 235.927

BM 1.84 247.75 8.141 245.91

NE 7 1/2" Pipe  
H. 1/2" 27 1/2"

1.03 254.051 11.762 252.021

1.00 264.723 10.625 262.722

BM 4328 274.348 270.01

SFBP  
Pipe +  
Truss

+64

-21.3	-1.6	-1.1	-1.8	13.4	+9.6	+1.34	+1.46	+1.80
50'	35'	25'	12'		15'-Shy Masonry Drain	15'-m Drain	24'-outlet	25'-m

+53

-2.4	-1.81	-1.04	-10.3	-41	-11	10	+3.2	+1.8	+7.6
45'	25'	11'-Cone Foot	8'-Base Conc Wall	5'-Top Footing Wall	4'-Top End Wall		7'-Base Wall	7'-Top Wall	25'-Shy Stone House

TP      8.39      219.023      1.74      218.633

219.02

+31.45 POT

-1.4	-1.40	-1.25	-7.8	-7.8	-0.9	0.0	+0.3
32'	25'	10'-Base Conc Wall	10'-Top Wall Conc	11'-Top Wall			3.5'-Shy House

170

-1.2	-5.0	-2.0	10.3	+1.1	+4.4	+6.7	+8.2
50'	20'	25'		11.2'-Bottom Step	16'-Top Step	12'-Cyclope	25'

TP      10.35      220.873      2.717      210.023      0.473

220.37

0.473 Stds

+75

-2.56	-1.00	-0.8	3.7	+0.6	+2.5
57'	25'	5'		16.4'-Base Wall	16.1'-Top Wall

TP      8.775      213.740      0.600      204.965

213.74

0+50

-2.90	-1.30	2.1	+5.9	+6.6	+8.1
57'	27'		13'	25'	21'-Top Property Wall

205.565

205.56

Lt.

Rt.

Rt. 47

TP 132.750

TP 0.525 151.60 12143 151.065

340 88

TP 1210 163.208 11890 161.998 163.21

+70 2.2

043 173.888 12.135 173.458 173.89

0.105 185.593 12.270 185.488

TP 0.88 197.758 12.24 196.878

195.9

+23

179.6

240

-0.2  
10

9.5

+1.5

+16.3  
23

+19.5

28 = Picket  
Fence

TP 0.945 209.118 11.850 208.173

209.12

219.023



Cross Section Harney

TP	0-50	189.933	1.255	189.130	0.667	2
+L7						1.7
TP	449	190.685	0.51	186.195		190.685
+50						1.1
TP	11.92	186.705	0.215	174.785		186.70
BM			11.28	183.72		
TP	12.215	175.00	0.255	162.755		
0+0						5.3
TP	11.945	163.01	0.535	151.065		163.01
0-25						5.1
0-50						13.9
		151.600				151.60

on Stub

2" pipe

H

Z

FL 49

+75 = Pl. Cast Iron Pipe Line

1.0

TP 0.922 178.995 11.86 178.073

178.99

+50

12.0

2+0

11.2

+50

9.1

+25

7.3

1+0

6.1

189.933

189.93

B.M. 6.25 245.835 NE 7/4 +  
Pipe +  
Grate  
245.94

12.20 252.085 0.335 249.885

12.36 240.22 0.32 227.86

12.71 228.18 0.38 215.47

12.478 215.85 0.074 203.272

12.807 203.446 0.274 190.639

TP 12.998 190.913 1.08 177.915

125 =  $\frac{1}{2}$  Pine St

186.645

12.95  
22 Co  
Mo

370 = South Line Pine

41

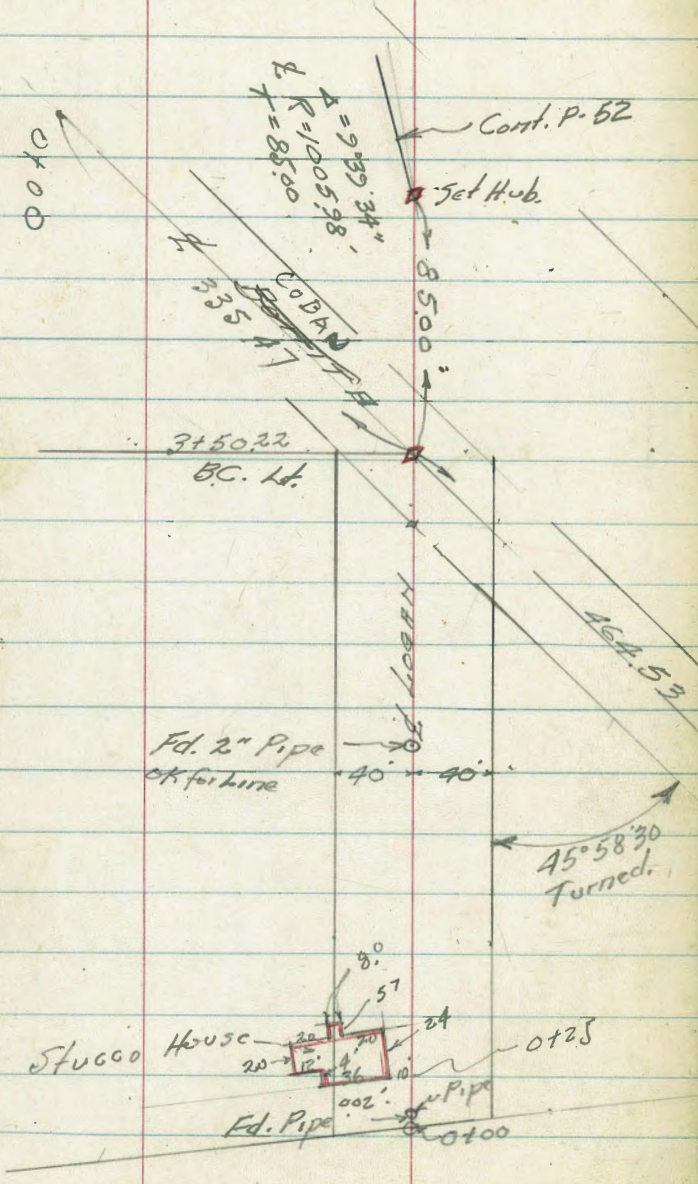
178.995

178.99

LOGAN AVE. EXTENSION

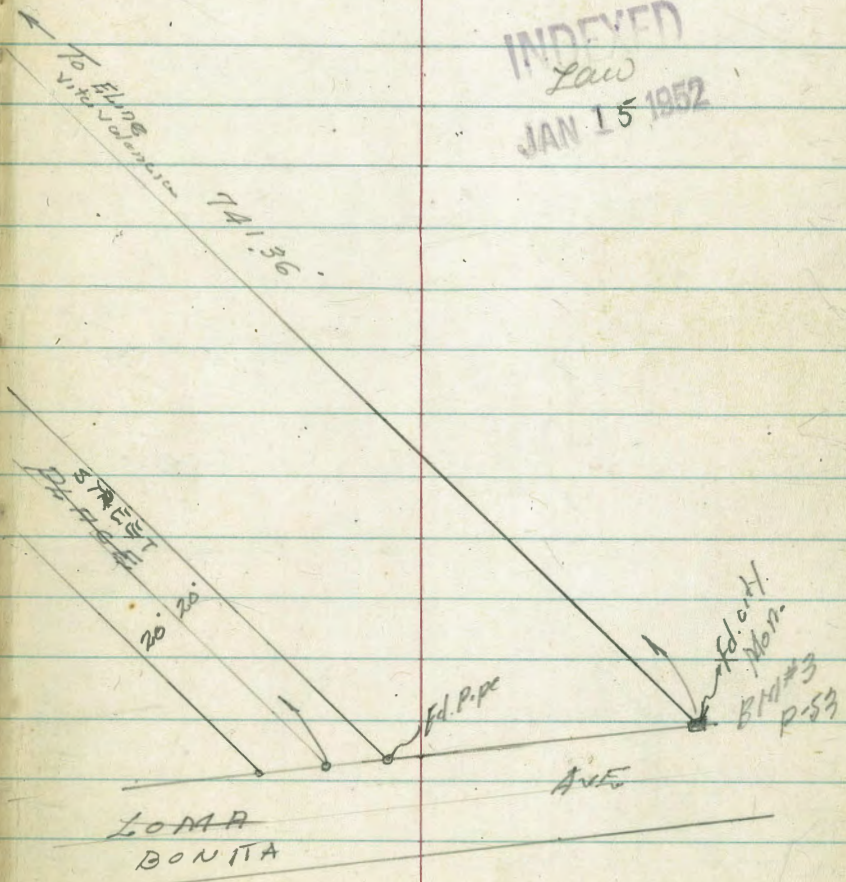
ALIGNMENT

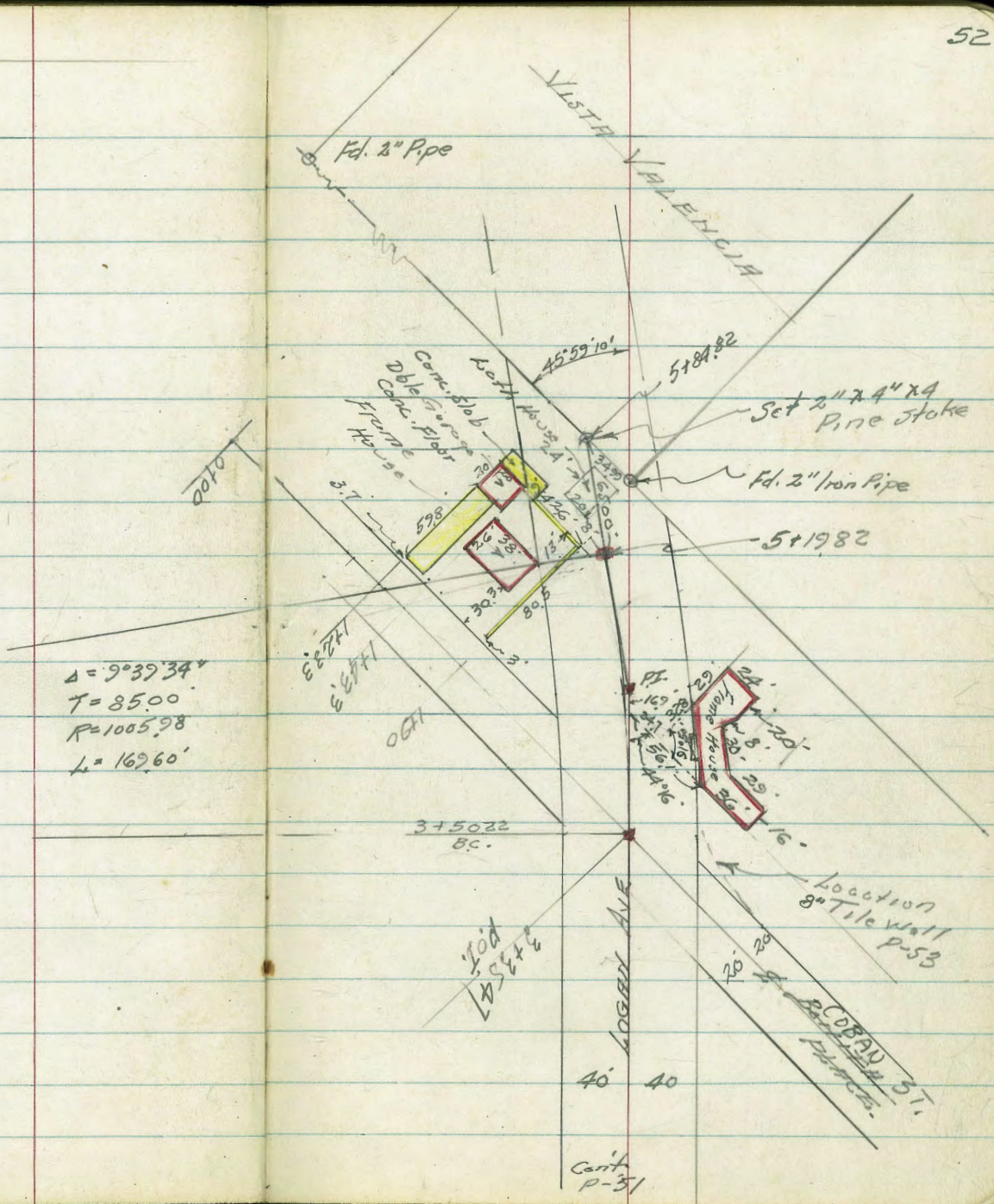
Molke  
Smith  
Pope  
Huffman  
Bishop  
12-14-51



Set Hub = Disc.

INDEXED  
Law  
JAN 15 1952

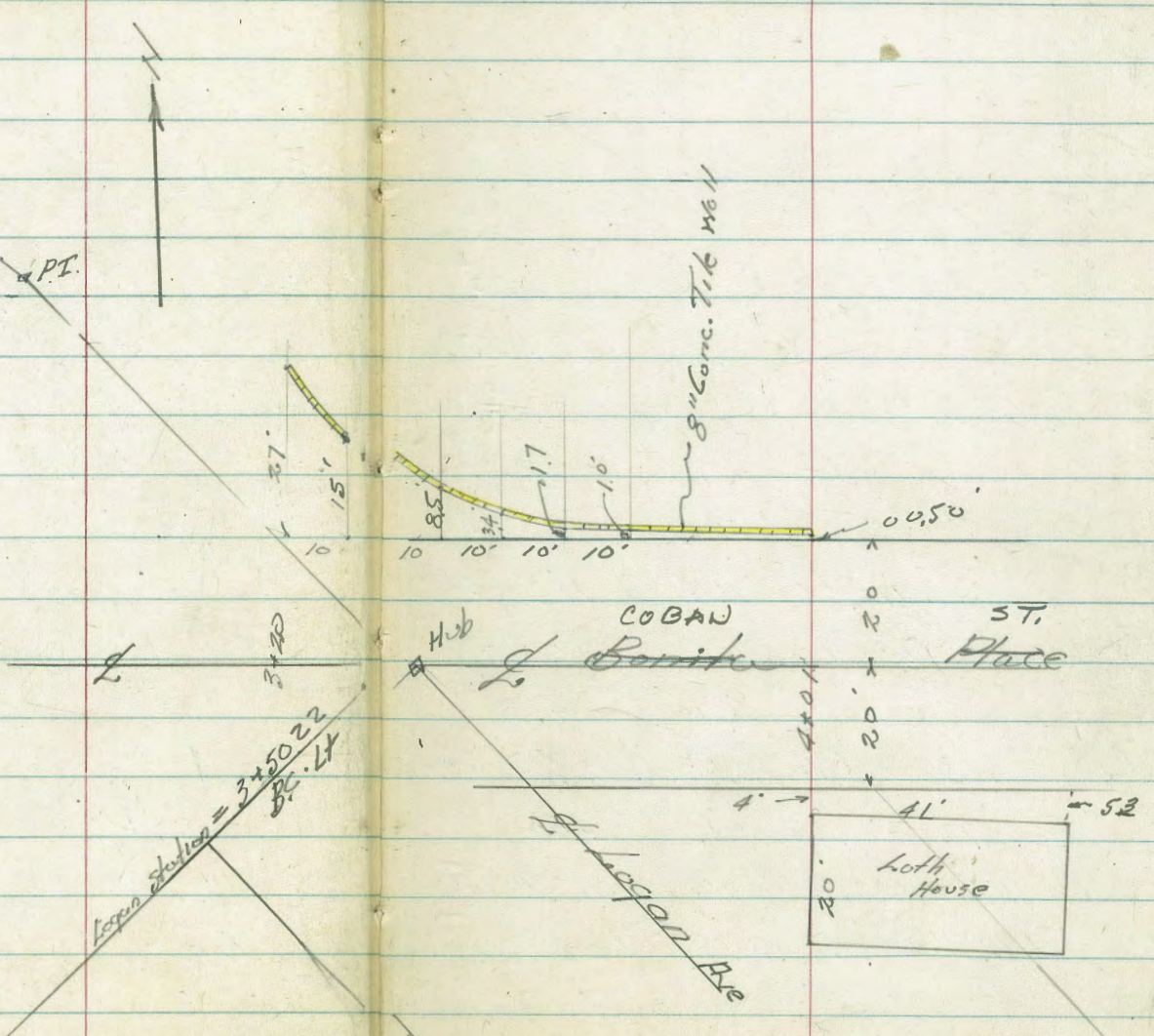




$\Delta = 9^{\circ}39'34''$   
 $T = 85.00$   
 $R = 1005.98$   
 $L = 169.60'$

Cont.  
 P-31

E.C.  
5/19/82



				002
chk starting BM	092			18340
				18338
TP #11	017	18430	1125	18413
chk on TP #3				
TP #10	084	19538	1083	19454
TP #9	1182	20537	007	19355
TP #8	1309	19362	221	18053
TP #7	1276	18274	319	16998
			763	16554
TP #6	415	17317	1174	16904
TP #5	300	18078	1300	17778
			670	18408
TP #4	065	19078	1313	19013
TP #3	872	20326	048	19454
TP #2	1171	19502	012	18331
TP #1	1203	18343	1306	17190
	006	18346		18340

Temp. BM  
Nail in Pole NW Santo Isabel Dr.

BM. N<sup>o</sup> 3 City Map sketch P-51

on NW Iron Pipe Bonita Pl. & Home Ave

BM #2  
3/4" Iron Pipe 0+100.02 P-51

Edge 4" Soil Drain

BM N<sup>o</sup> 1  
2" Iron Pipe SE Cor Vista Valenzuela

NW. BR. San Jacinto <sup>1142</sup> San Bernardo Terrace

Logan Ave

Lt.

L

Rt.

54

2+00

164.7  
165  
55

165.8  
154  
40

164.4  
13.0  
181.7

172.1  
9.1  
40

173.3  
7.9  
55

T.P. 18.13 181.17 168 167.04

1+50

163.2  
7.1  
55

164.0  
6.7  
40

164.9  
3.8

169.8  
0.9  
40

170.7  
0.0  
55

1+00

164.1  
6.6  
55

164.0  
6.7  
40

165.1  
5.6

167.4  
3.3  
40

168.0  
2.7  
55

0+50

165.1  
5.6  
55

165.1  
5.6  
40

165.4  
5.3

166.2  
4.5  
40

166.5  
4.2  
55

0+00 = W.L. Loma Ave

164.7  
6.0  
55

165.0  
5.7  
40

165.3  
5.4

165.3  
5.4  
40

165.3  
5.4  
55

0-25 = 9 Loma

161.7  
9.0  
100  
oiled  
Road

162.5  
7.2  
40  
oiled  
Road

164.5  
6.2  
170.72

165.3  
5.4  
40

166.0  
9.9  
100  
oiled  
Road

518

170.72

165.54

B.V. No 2 P-53



Logan Ave

5+00

180.4	181.4	185.9	187.0	188.7	189.3	189.7
178	128	83	72	55	49	45
55	40	124.20	10	15	40	50

on Hub & 5+1982

T.R. 2.17 194.20 6.17 185.03

4+50

178.9	181.2	182.8	187.1	187.6	188.3	187.7	189.2	190.2	190.7
123	100	84	41	36	49	35	20	10	0.5
58	55	40	10.0	6	8	30	32	40	50
	178.8	179.5	181.2	181.7	182.3	184.2	185.0	185.5	
	124	117	95	49	20	106.5	108		
	40	21	6	12	32	38	40		

191.20  
Perch

4+00

T.R. 11.41 191.20 1.38 179.79

176.1	177.2	177.5	179.4	179.79	179.7	184.7	187.4	188.0
5.1	40	2.7	1.8	1.38	1.5	+3.5	+6.2	+6.8
58	40	37	27	on H.b.	23	29	30	40

Top  
Tilt  
Wall

3+50.22 - B.C.M.

3+23

172.7	173.8	176.1	179.6	180.7
8.5	7.4	5.1	1.6	0.7
58	40	15		40

3+00

170.7	171.4	174.3	175.7	179.8	179.8
10.5	9.8	6.9	5.5	1.4	1.4
58	40		12	31	40

Top  
Fill

2+50

166.5	167.6	170.1	173.5	174.7
14.7	13.6	11.1	7.7	6.5
55	40	181.17	40	58

181.17

Logan Ave

→ Elev. By others written on pole beside 2" iron pipe

CHK BM

10/12

184.12 ✓

184.08 ✓

chk BM NO 1

5+84.82 = Sub line

179.2	179.2	179.2	178.2	180.0	181.7
15.0	15.0	15.0	16.0	14.2	12.5
58	40	10		40	55

5+53

179.7	179.8	180.1	183.5	185.4	184.5
14.5	14.4	14.1	10.7	8.8	9.7
55	40		18	40	55

5+43

179.7	179.8	179.8	184.5	185.5	187.4	187.9	186.5	187.2
14.5	14.4	14.4	9.7	8.7	6.8	6.3	2.7	7.0
55	40	15		14	19	33	40	50

19420

124.20

Boita Place

3+00

2+83

2+00

1+39.3

1+23.3

1+00

0+00

772

185.50

177.78

179.4  
6.1  
20

179.1  
6.4  
16

179.2  
5.9  
20

179.1  
6.4  
20

178.5  
7.0  
30

57

179.4  
6.1  
20

179.2  
6.5  
20

178.7  
6.8  
20

178.5  
7.0  
30

179.4  
6.1  
30

179.4  
6.1  
20

177.1  
8.4  
16

177.7  
7.8  
20

177.5  
8.0  
20

177.77  
773  
337  
Drive

174.68  
882  
237  
Drive

174.2  
788  
337  
Drive

174.54  
896  
237  
Drive

175.4  
101  
20

174.7  
108  
17

175.5  
100  
20

175.1  
104  
16

175.3  
102  
20

173.3  
122  
20

172.5  
130  
16

173.3  
122  
16

172.8  
127  
16

173.10  
140  
20

171.9  
15.6±  
30

185.50

Drive

Drive

Bonita Place

Rt. 58

6767 = West edge <sup>Conc.</sup> Ribbon Drive

6700

5739 = 4

5700

4741 = End 2 Car Garage

T.P. 2.86 190.82 4.47 181.03

4701 = Beg 2 Car Garage Apt Above

4700

185.50

Lt.

4

183.68  
721 212  
30 20%

181.2 181.2 181.5 180.7 176.4  
97 97 94 10.2 14.8  
20.4 20  
at unfinished  
Tile wall  
183.59 182.05 181.45  
7.00 8.84 9.44  
2.9 1.9 1.4  
DRIVE 108  
DRIVE

181.3 180.7 181.4 180.2 179.2  
9.6 10.2 9.5 10.7 11.7  
20 18 20 20 20

180.81  
100.8  
20.5  
Conc. Floor. 190.89

186.77 180.67  
+1.27 4.83  
20.6 20.5  
on Wall Conc.

180.6 180.3 180.7 179.7 176.0  
4.9 5.2 4.8 5.8 9.5  
20.5 17 185.50 18 24

Bozinger Place

Lt.

L

Rt.

59

		<u>001</u>
chk TP#8 P-53	1037	180.53
		180.52

8+32, 3+ = Approx to Loma Ave

	184.0	182.4	180.7	179.0	177.4
67	8.5	10.2	11.9	13.5	
50	26.6		26.6	50	

8+00 Sec on West line

	184.3	182.9	180.5	180.0	179.7	177.1
66	8.0	10.1	10.9	11.2	13.8	
45	30	26.6		26.6	45	

7+00

	186.4	185.9	180.8	181.5	181.3	177.5
45	25.0	10.1	9.4	9.6	13.4	
27	22	20		20	31	

6+77 East edge

190.89

	183.69	181.51	
7.20	938		
30	20.2		
DINE	DINE	190.89	

X-Sect. Beaumont Ave. from Colima to  
Midway - for Grade Est.

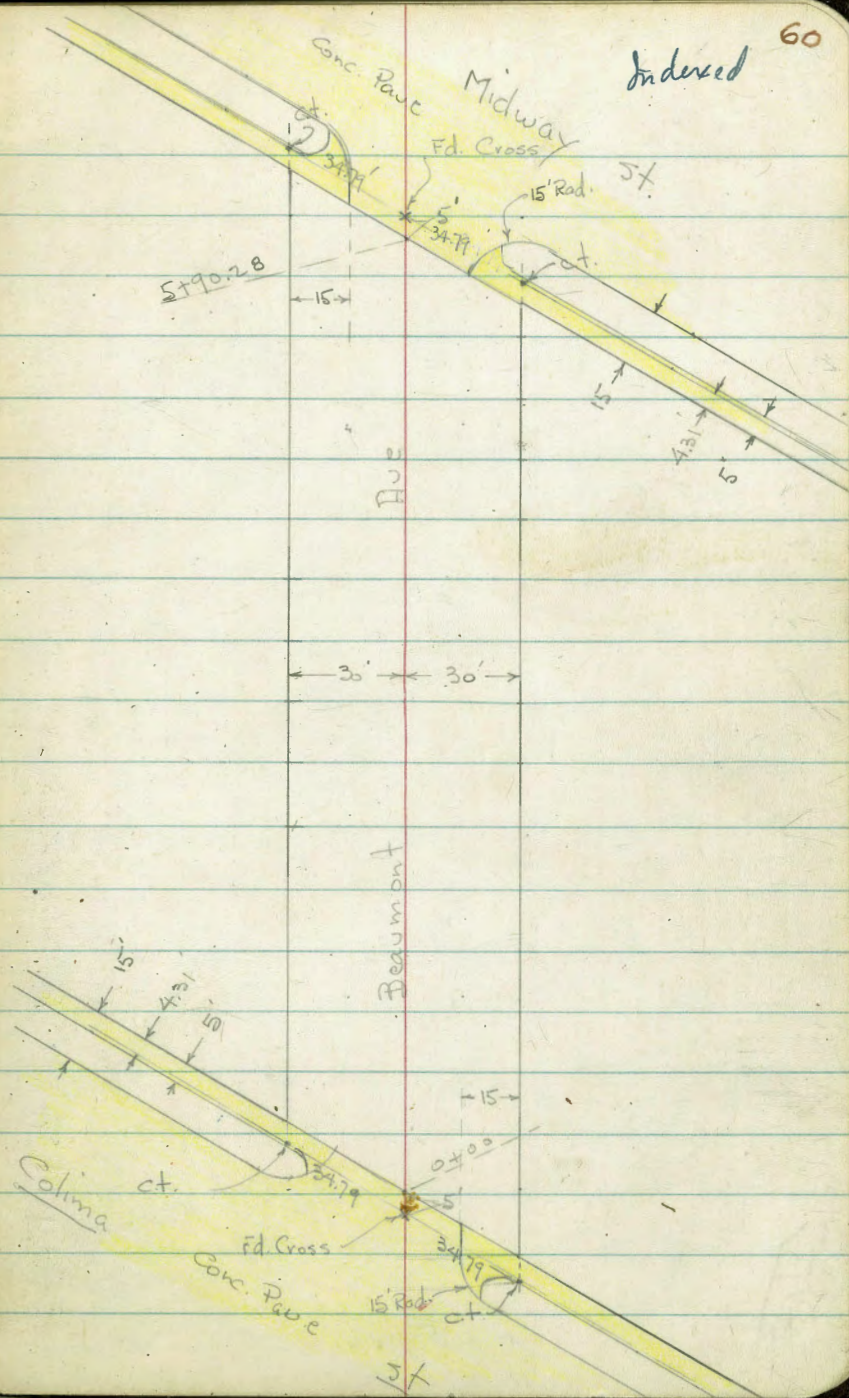
# 5923

1-21-52 - 7.0.

W.O. 25020

Plotted by  
1-21-52  
D.H.

6958



x-Sect. Beaumont Ave - Colima to Midway  
See Sketch - P. 60

1+20 - 30' Rt. = ± 4' Conc. walk

1+00

0+50

0+22 - 30.3' Rt. = ± 4' Conc. walk

0+18 - Sect. at 90°

Beg. Coldlay pave strip. Sect. along N.L.

0+00 = N.L. of Colima + edge of Conc. pave + curbs

Middle of Returns - from P.C. to N.L.

0-17.5 - Cont.

0-17.5 = N. ab. line of Colima - Sect. along ab. line

B.M. = NW 5 ct. - Beaumont  
+ Colima

91.38

INDEXED  
JAN 23 1952  
Paw

Lt.

±

Rt.

94.72

95.11

30  
walk

45  
walk

92.4

92.9

92.9

93.0

93.3

94.4

30

15

4

CL

15

30

92.1

92.8

92.6

92.8

93.0

93.2

94.1

30

11

6

CL

9

15

30

94.28

94.79

30.3

40

walk

91.40

91.8

91.9

92.3

92.9

94.0

30  
onwalk

15

8

edge CL

11

edge of C.L.

30

91.40

91.56

91.00

91.38

91.74

91.95

92.58

93.42

34.8 =  
walk

Top

19.8  
gut.

10

17.4  
gut.

Top

34.8 = walk

N.W. Ret.

91.35

90.72

23.8

Top

gut.

N.E. Ret.

92.03

92.79

24.6

gut

Top

89.95

89.37

Top

80  
gut.

89.85

94.50

60

Top

91.09

90.44

90.69

91.18

91.69

92.10

92.42

93.08

92.76

93.45

Top =

43.7

34.8

17.5

17.5

26

Top

34.8

PC

gut

gut

PC

gut

Top

Actual Elev. shown.

Lt.      ♀      Rt.

3+25- Thru Conc. Dr. on Lt - flared out at st. <sup>to 19' wide</sup>

92.38 93.40 94.27 94.18  
50 30 15 10 = Dr.  
Dr. Brk

3+00

92.9 94.1 93.9 94.2 94.2 94.4 95.9  
30 15 8 11 15 30  
C.L.

2+97- 18.3' Rt. = 3.5' Conc. walk

95.55 96.03  
18.3 30 = end walk  
walk

2+95 = Sewer M.H. 94.22 on Rim N.Y.

2+74- 32.6 Lt. = Near Cor. of 8' Conc. Dr.

92.26 92.63  
45 32.6 = Dr.  
Dr.

2+66- 18.5' Rt. = end cb.

94.2 95.19  
18.5 18.5

2+50

92.7 93.5 93.6 93.8 94.1 94.2 95.10 95.5  
30 15 8 13 18.6 18.6 30  
C.L. Top cb.  
Top cb.

2+24- 30.1' Rt. = 3' Conc. walk

95.52 95.65  
30.1 45 walk  
walk

2+15- 18.7' Rt. = Beg. Conc. Block currb.

93.8 94.78  
18.7 18.7 = Top cb.  
ground

2+14- 32.5' Lt. = Near Cor. of 8' Conc. Dr.

92.01 92.37  
45 32.5 = Dr.  
Dr.

2+00

92.4 93.1 93.1 93.3 93.6 94.6  
30 15 7 13 30  
C.L.

1+71- 30' Rt. = 4' Conc. walk

94.90 95.45  
30 45 = walk  
walk

1+55- 32.5' Lt. = Near Cor. of 8' Conc. Dr.

91.24 91.70  
45 32.5 = Dr.  
Dr.

1+50

92.0 92.9 92.8 92.9 93.3 94.3  
30 15 3 15 30  
C.L.



90  
13  
72.3

Lt. ± Rt. 63

5+72.3 = 8' Conc. Dr. on Lt.

95.69 96.03 96.2 96.7 97.2 97.6 99.86  
45 33.8 20 12 - C.L. - 12 30 = walk  
Dr. Dr.

5+40

94.8 96.0 95.8 96.2 96.3 98.7  
30 15 9 - C.L. - 12 30

5+14 = 17.5' Rt. ± 12' Conc. Landing

96.1 96.92 96.99  
17.5 17.5 20.4 = Back  
got Top edge

5+00 = Thru flared out Conc. Dr. on Lt.

93.94 94.74 95.65 95.46 95.7 95.8 98.2  
45 30 15 9.3 - C.L. - 15 30  
Dr. Dr. Beg. Dr.

4+50

94.5 95.1 95.0 95.2 95.6 96.8  
30 15 8 - C.L. - 17 30

4+47 = 19.5' Lt. = Near edge of 8' Conc. Dr.  
+ Rough Conc. curb.

93.40 94.51 95.11  
45 30 19.5 = Dr.  
Dr.

4+23 = 30' Rt. ± 3' Conc. walk with gravel walkway

95.4 96.05 96.96  
18.2 18.2 30  
Top walk  
cb

4+00

93.5 94.4 94.3 94.6 94.8 96.2  
30 15 8 - C.L. - 15 30

3+95 = 32.3 Lt. = Near Cor. of 8' Conc. Dr.

92.72 93.17  
45 = Dr. 32.3 = Dr.

3+50

93.1 94.3 94.2 94.3 94.5 95.5  
30 15 6 - C.L. - 14 30

Lt.

±

Rt.

108.92

108.89 = Brook

check BM at Waverly - ± and S. 5' of Midway

6+08.8 = Cont.

95.52

94.88

100.15

100.74

Top

70

80

Top

gut.

gut.

6+08.8 = S. cb. line

97.11

96.50

97.54

96.87

97.13

97.66

98.17

98.65

98.96

99.54

Top

34.8

Top = 25.9

17.5

gut.

17.5

24.8

43.8

Top

gut.

PC

gut.

gut.

PC

Middle of Returns - From P.C. to S.

S.W. Ret.

97.88

97.25

98.56

99.25

S.E. Ret.

24.4

Top

gut.

gut.

Top

23.7

Sect. on S.L.

5+90.28 = S.L. Midway + edge of Conc. pave + curbs.

97.87

98.05

97.45

97.81

98.10

98.28

98.38

98.95

99.86

34.8

Top

17.4

9

10

19.8

Top

34.8

walk

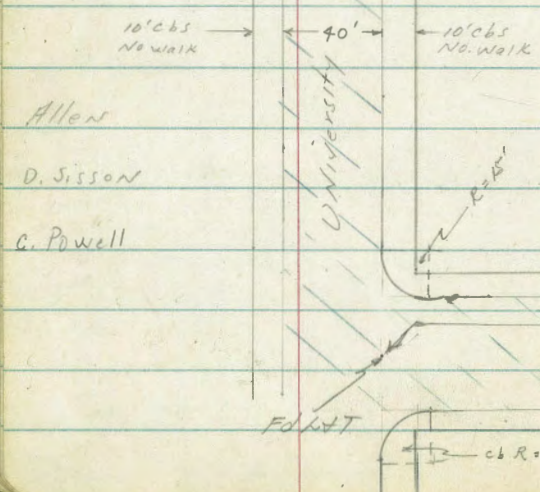
gut.

gut.

walk

54<sup>th</sup>

V. sec Alley  
B/K #1  
Berkeley Hts  
Ret. Map # 1131  
T.P. Sheet # 3651A  
FB 2127  
W/O # 25020  
4-27-53.  
Rain

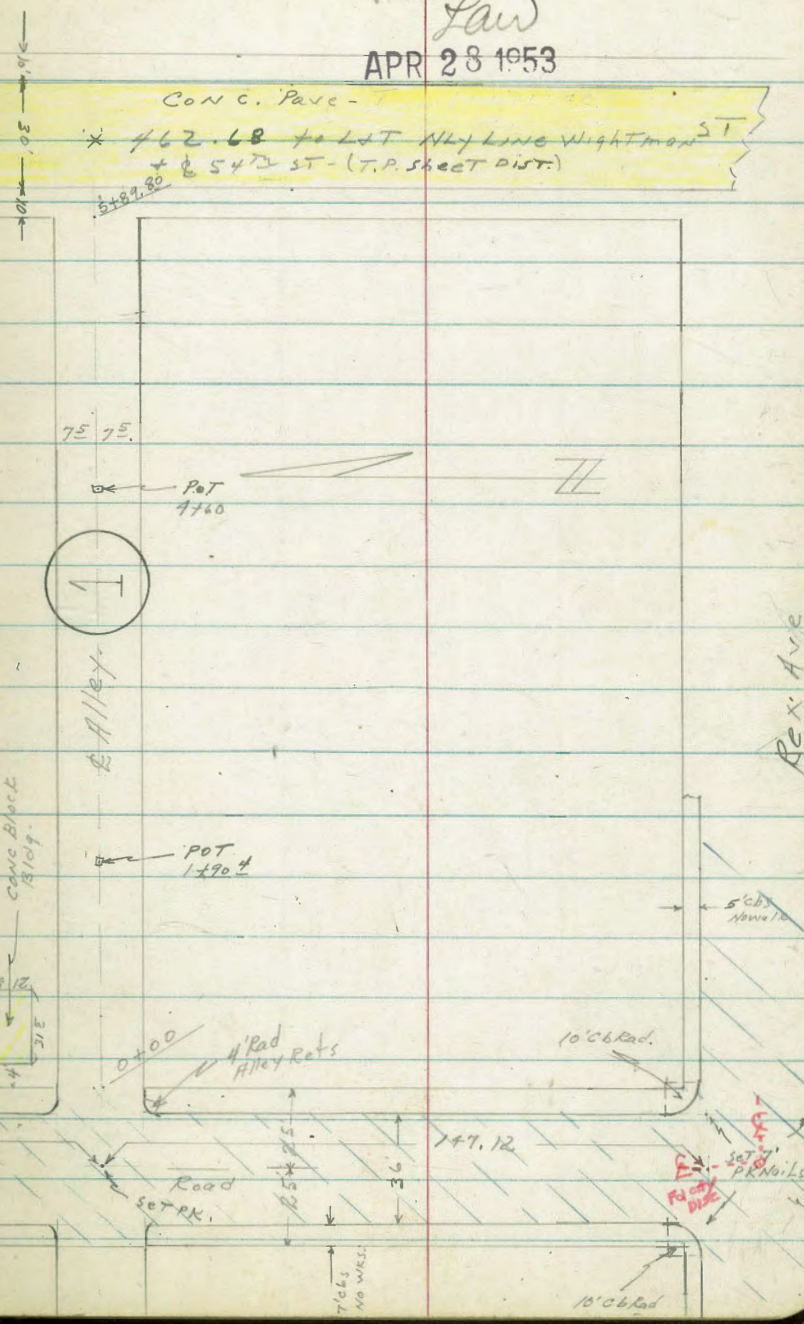


Allen  
D. Sisson  
C. Powell

Shikoti  
A.C. Pavc

INDEXED  
Law  
APR 28 1953

65



REX AVE



0+66-90 RT= 1/2 Single Car port 14' wide CONC Floor

0+50

0+40-95 RT= end CONC Retaining wall - (8")

0+35.5 - 14<sup>3</sup> LT= SE COR CONC Block Bldg.

TP<sub>3</sub> 12.50 340.95 7.37 328.45

0+25

0+04-14<sup>3</sup> LT= S.W. COR CONC Block Bldg

327.1

13.0

21.0  
Toe slope

9.0 331.8

7.5  
Top slope

332.0

9.0

8.0 332.2

7.5

330.6

10.13

9.5  
6.1

9.0  
Floor

332.5

8.5

6.0

329.6

11.4

9.5  
Foot

6.92

9.0

334.03

330.66

10.29

9.5  
Top  
Wall

326.5

9.3  
14

329.6

6.2

9

326.52

9.30

14.3  
CONC  
Floor

329.4

6.4

7.5

340.95

6.10

10

329.8

7.5

9

329.8

6.0

7.5

329.8

6.1

9

335.82

Alley BIK 1 - Berkeley 11/3

2400

1475

1450

1441 - 7<sup>e</sup> Rt = 10" power pole # PA5324

TP4 11.97 352.88 0.04 340.91

1425 - 12<sup>th</sup> Rt = 1/2 garage conc Floor

1400

0475

22 <sup>14</sup>	22 <sup>16</sup>	22 <sup>18</sup>	22 <sup>13</sup>	30 <sup>10</sup>	12 <sup>13</sup>	13 <sup>10</sup>	26 <sup>10</sup>
390	370	355	328.7	328.7	337.3	334.7	328.0
Toe Slope	Toe Slope	Toe Slope	Toe Slope	Toe Slope	Toe Slope	Toe Slope	Toe Slope
330.3	330.3	330.1	329.7	328.7	337.3	334.7	328.0
4 <sup>18</sup>	6 <sup>4</sup>	8 <sup>7</sup>	0 <sup>4</sup>	7 <sup>5</sup>	0 <sup>4</sup>	6 <sup>13</sup>	6 <sup>13</sup>
Top Slope	Top Slope	Top Slope	Top Slope	Top Slope	Top Slope	Top Slope	Top Slope
348.1	336.5	344.2	340.6	340.6	337.5	334.9	334.7
347.8	336.5	344.2	340.6	340.6	337.5	334.9	334.7
4 <sup>8</sup>	6 <sup>4</sup>	8 <sup>7</sup>	0 <sup>1</sup>	7 <sup>5</sup>	0 <sup>1</sup>	6 <sup>1</sup>	6 <sup>1</sup>
Top Slope	Top Slope	Top Slope	Top Slope	Top Slope	Top Slope	Top Slope	Top Slope
348.1	336.5	344.4	340.9	340.9	337.4	335.1	335.1
349.6	336.5	344.4	340.5	340.5	337.4	335.1	335.1
3 <sup>10</sup>	6 <sup>4</sup>	8 <sup>5</sup>	0 <sup>15</sup>	1 <sup>5</sup>	0 <sup>15</sup>	5 <sup>19</sup>	5 <sup>19</sup>
Top Slope	Top Slope	Top Slope	Top Slope	Top Slope	Top Slope	Top Slope	Top Slope
350.2	336.5	344.4	340.39	340.5	337.4	335.1	335.1
350.2	336.5	344.4	340.39	340.5	337.4	335.1	335.1
2 <sup>7</sup>	2 <sup>7</sup>	2 <sup>7</sup>	12 <sup>4</sup> Floor	12 <sup>4</sup> Floor	12 <sup>4</sup> Floor	12 <sup>4</sup> Floor	12 <sup>4</sup> Floor
50	50	50	340.39	340.39	340.39	340.39	340.39
350.2	350.2	350.2	340.39	340.39	340.39	340.39	340.39

340.95 x

Alley BIK 1 - Berkeley Ht 1

3+50

25<sup>2</sup>  
46°  
Toe  
Slope

LT N14  
94  
15°  
Top  
Slope

91<sup>0</sup>  
75

8<sup>2</sup>  
344.1

8<sup>2</sup>  
75

64  
50

RT = 514 - 69

3+39.77 Rt. end 3<sup>5</sup> high Conc block wall.

2287

24<sup>2</sup>  
45<sup>5</sup>  
Toe  
Slope

88  
152  
Top  
Slope

75  
345.4

6<sup>9</sup>  
346.0

72  
72  
6r  
72  
345.7

80  
72  
Foot  
344.9

3+25

3+00

23<sup>3</sup>  
44<sup>2</sup>  
Toe  
Slope

51  
120  
Top  
Slope

57  
75  
347.2

5<sup>9</sup>  
347.4

52  
75  
347.7

50  
119  
351.0

2+97-7<sup>8</sup> Rt. begin 3<sup>5</sup> high Conc block wall. (unfinished)

2+90-6<sup>8</sup> Rt.  $\phi$  8" power pole PA5350.

2+50

22<sup>1</sup>  
41<sup>2</sup>  
Toe  
Slope

42  
90  
Top  
Slope

47  
75  
348.2

46  
348.3

78  
6r  
51  
78  
347.8

45  
78  
Foot  
348.7

213  
78  
Top  
350.6

252.88

4+75

4+66- 5<sup>8</sup> rt- & Deadman-

4+60- 7° rt- & Deadman

4+50

4+41- 7° rt- & 8" power pole # PH 5374

4+39- 7° rt end picket fence - Post set in conc.

4+25

4+00

3+90- 7<sup>6</sup> rt- begin picket fence - Post set in conc.

TP5 1.08 340.83 13.13 339.75

3+75

226.4	827.8	328.3	328.7	329.7
14 <sup>4</sup>	130	12 <sup>15</sup>	12 <sup>1</sup>	11 <sup>1</sup>
25	75	75	75	25
328.6	329.8	329.9	330.4	331.3
12 <sup>2</sup>	11 <sup>0</sup>	10 <sup>9</sup>	10 <sup>4</sup>	9 <sup>15</sup>
25	75	75	75	25
330.4	331.6	331.5	332.3	336.4
10 <sup>14</sup>	9 <sup>2</sup>	9 <sup>2</sup>	8 <sup>15</sup>	7 <sup>14</sup>
25	75	75	75	0
330.3	334.5	335.2	336.6	339.6
10 <sup>15</sup>	6 <sup>14</sup>	5 <sup>16</sup>	4 <sup>12</sup>	1 <sup>12</sup>
40	75	75	75	75
327.2	339.1	339.8	340.83	345.3
25 <sup>1</sup>	13 <sup>8</sup>	13 <sup>1</sup>	12 <sup>7</sup>	7 <sup>6</sup>
44 <sup>0</sup>	18 <sup>0</sup>	75	10 <sup>9</sup>	50
Toe Slope	Top Slope			
		352.88		



5+89<sup>80</sup> Wly Line 54<sup>th</sup> St

5+85 - Alley intersects cut Bank for 54<sup>th</sup>

TP<sub>4</sub> 3.89 319.14 13.21 315.25

5+50

5+25

5+00

TP<sub>6</sub> 0.18 328.46 13.15 327.68

LT= N14

312.6

65  
75

313.4

52

25

313.6

55

75

312.2

69  
75

314.1

0

75

et= 514

313.7

64  
75

315.3

48

75

314.5

46

210

310.6

85

31

317.1

114

25

321.0

75

25

324.3

42

25

317.8

107

75

321.6

69

75

325.3

32

75

319.14

X

318.2

103

75

322.1

64

75

325.9

26

75

318.4

101

75

322.4

61

75

326.2

23

75

329.0

95

25

323.3

52

25

326.9

16

25

328.46 X

340.83 X

LT = N14

et = sly

72

INDEXED

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BM-

5.91 313.23

North rim M.H. & Rex + 54<sup>th</sup> - Page 15.

5799 8° = wly edge Portland Conc.

	308.63	308.77	308.77	308.84	309.18
10 <sup>51</sup>		10 <sup>37</sup>	10 <sup>35</sup>	10 <sup>30</sup>	926
45		75		75	50

5793 = Bottom cut bank for 54<sup>th</sup> st

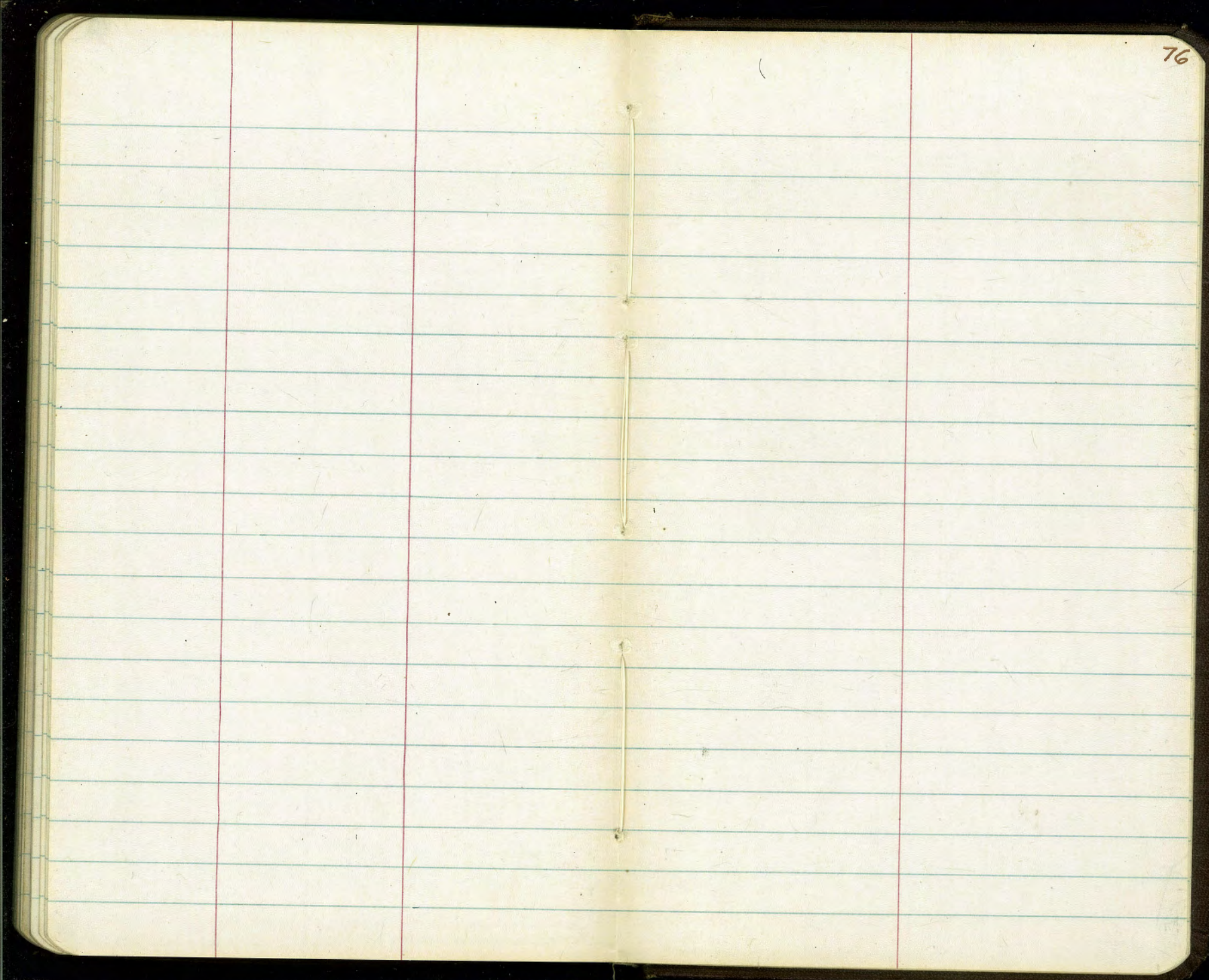
	308.6	308.8	308.8	308.8	309.1
10 <sup>15</sup>		10 <sup>33</sup>	10 <sup>33</sup>	10 <sup>13</sup>	10 <sup>10</sup>
25		75		75	25

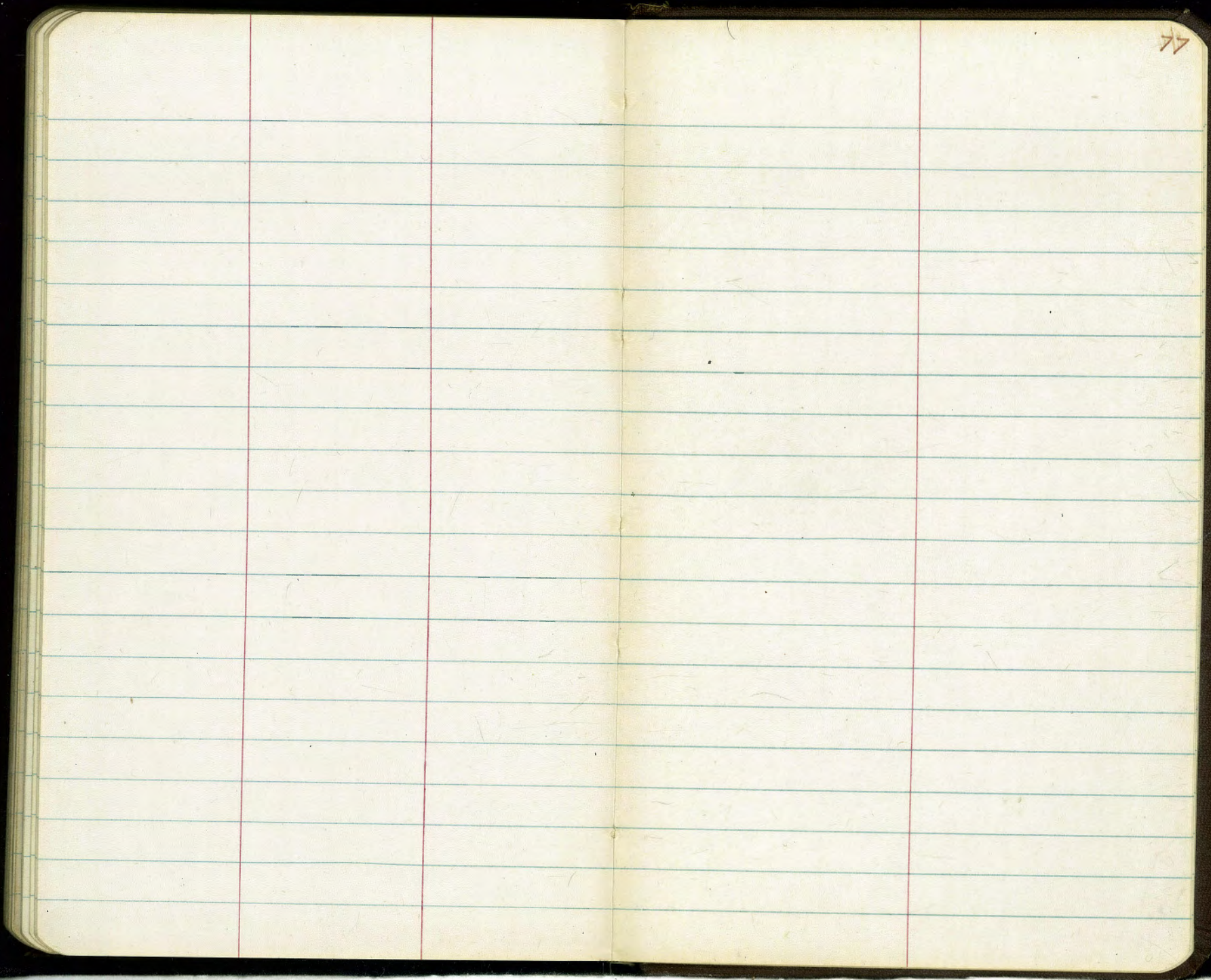
319.14 x



The image shows an open notebook with two facing pages. Both pages are cream-colored and feature light blue horizontal ruling. Each page is divided into three vertical columns by two vertical red lines. The leftmost column is the narrowest, the middle column is the widest, and the rightmost column is also narrow. The pages are otherwise blank, with no handwriting or printed text. The notebook's dark cover is visible at the top, bottom, and side edges. The number '74' is handwritten in the top right corner of the right page.

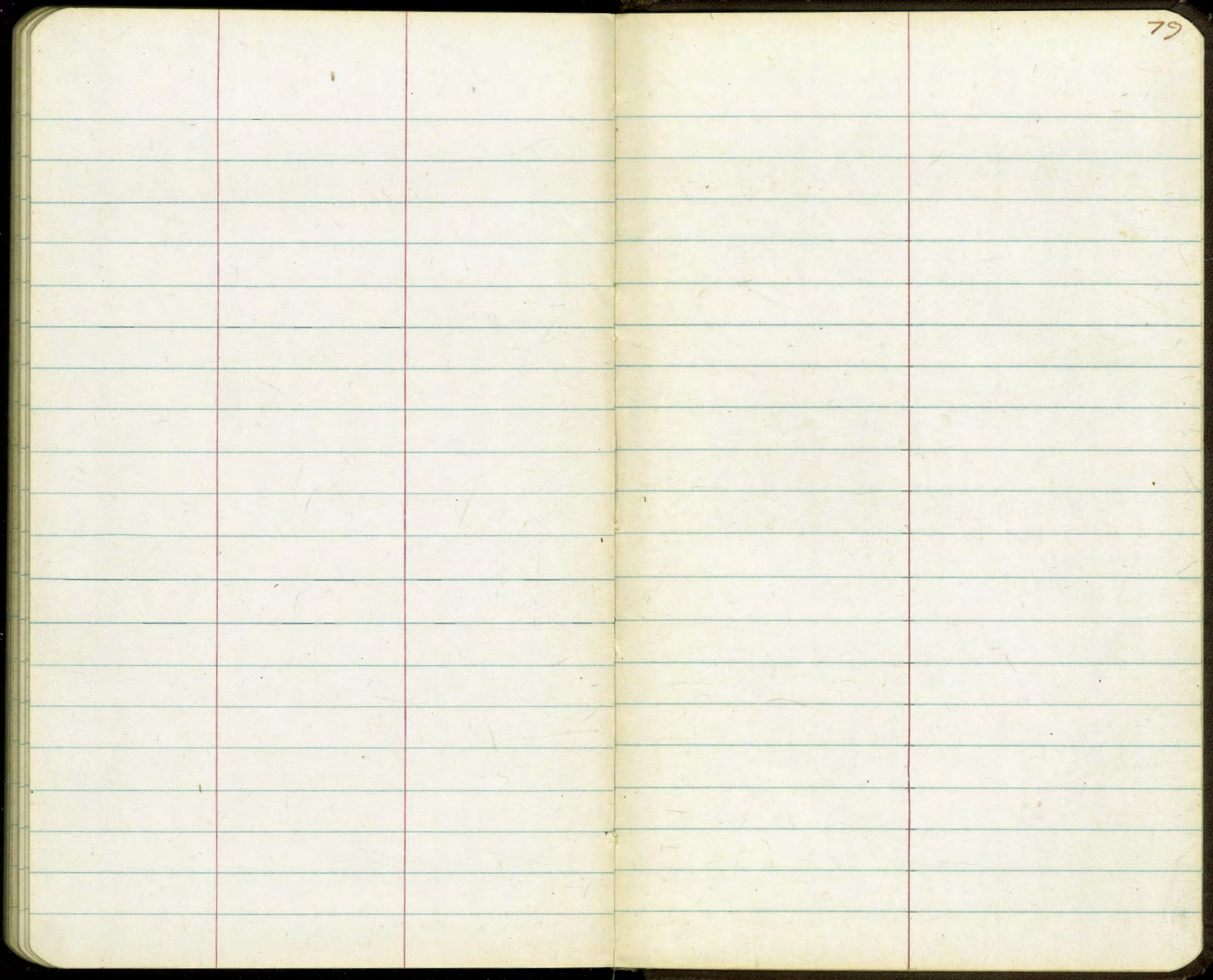


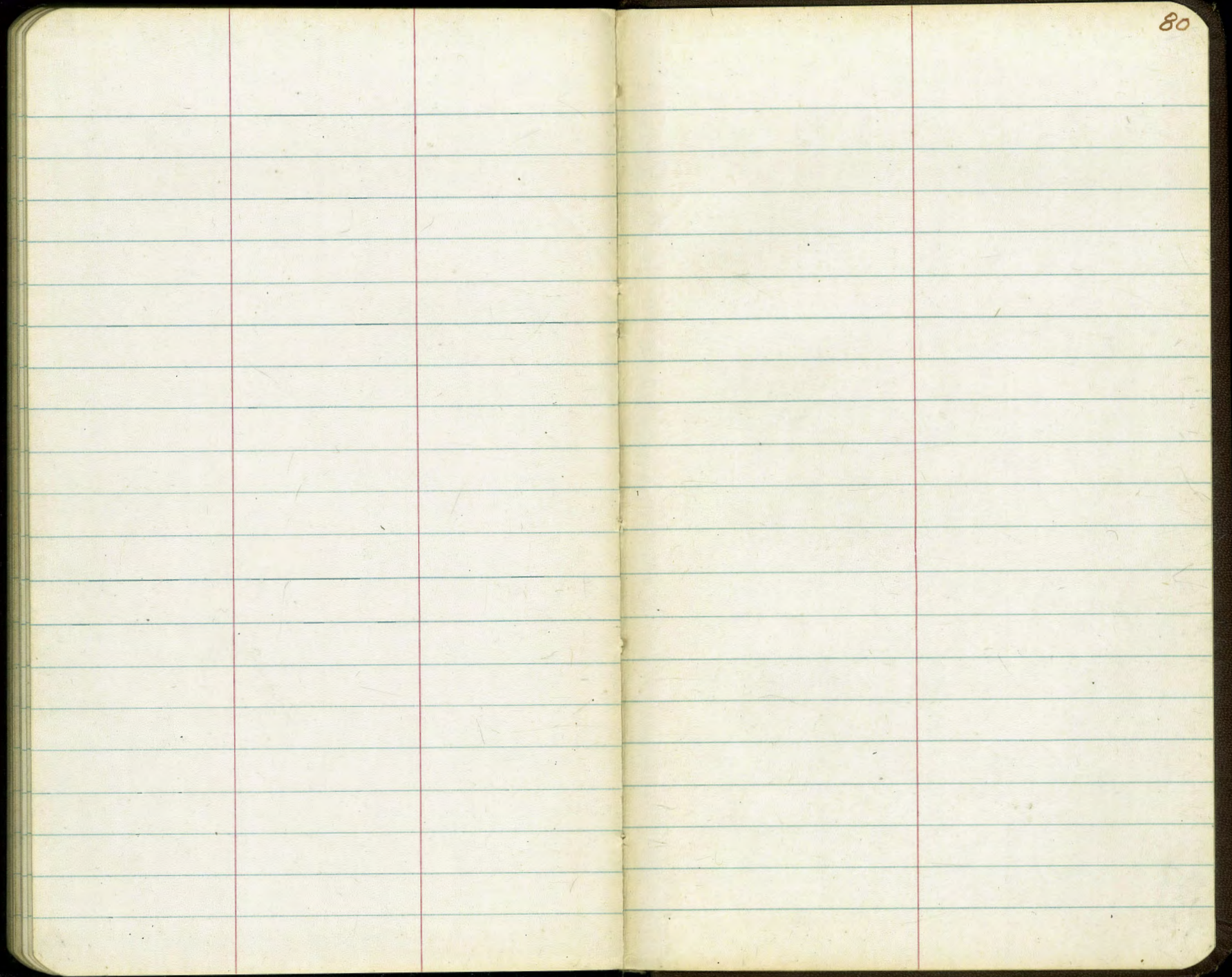




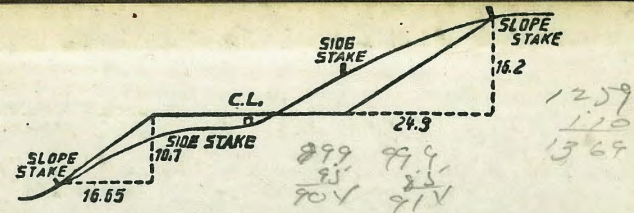








19.1



90  
41  
49

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

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

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