

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	.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	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	.218	.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	.771	.845	.922	1.01
70°	.080	.159	.240	.321	.403	.485	.568	.652	.735	.819	.906	.994	1.08	1.17
75°	.095	.182	.266	.353	.440	.528	.618	.707	.797	.877	.971	1.07	1.18	1.29
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	1.78	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

X Sec Alley Bk 224 Mission Beach 1-3
 X Sec Alley Bk 235+236 Mission Beach 4-8
 X Sect. Culvert Alley Bk. 253 University Hts. 10
 X-SECT TORRENCE: REYNARDWAY W/ly {GRADE} } 14
 X-sec Alley Bk 15, Sunset Cliffs 19-
 X-sec. Alley Bk. 13, Bungalow Park Add. 32
 X Sec. Broadway, W/ly from 41st St. 35

X Sec Alley BK 224
Mission Beach

Cont From FB 2201-78 see for sketch FB 2201-78

0775

0773 8th RT Begin house

0768 8th RT end House

0759 8th RT end walk begin house

0750

0747 7th RT Begin con walk // to LINT

0741 6th RT & water meter

0738 6th RT & 14" Pipe # PA 812

0725

0712 7th RT & water Meter

0700 Fly Mission Blvd. edge con Pav + (Cbs poor)

0-11th Fly Cb Line Mission Blvd.

Cont. From FB 2201-7

Lt-Nly

2

RT-Sly

WO # 32215

3-7-54

-0.9 -0.9 -1.7 -1.7 -0.7
51 51 57 57 52
8 6 5 8

-0.9 -0.8 -1.1 -0.9 -0.79 -0.56
51 53 56 54 530 507
8 6 7 7 700
w/k Floor House

-0.71
522
7 8
w/k

0.00⁰ 0.2 -0.8 0.7 -0.6 -0.7
45 43 53 52 51 52
15 8 6 8 15

-0.51 -0.86 -0.84 -0.96 -0.42
502 537 535 547 493
80 80 80 80
Poor Gut Cbs Poor

-0.30 -0.71 -0.37 -0.22 -0.80 -0.74 -0.79 -0.72 -0.36 -0.70 -0.37
481 522 484 523 531 525 530 523 487 521 488
20 20 10 10 8 8 8 10 10 20 20
Cb Gut Cb Gut Cb Gut Cb Gut Cb Gut Cb

74 57

-0.75
526
8 2
w/k

Lt = Nly

♀

Rt = Sly

2

25 RT & 2x2 grates inlet
1728 ± Bay Side Lane

8° RT end bldg
1720 ± Wly Bay Side Lane edge con pav

1707 7° RT & water Meter

1702 8° RT end con slab begin bldg

1700

0797 8° RT & con slab

0793 8° RT Begin con slab

0791 9° RT & water Meter

0790 8° RT end House

	2.19	2.18	2.23	2.17
6.70	6.69	6.74	6.68	
8°		2.5 8grate	8°	

	-1.92	2.09	-1.92
6.73	6.60	6.73	
8°		8°	

			-1.18
5.6	5.2	5.8	5.69
8	5	5	8° con
			-1.28

	-1.35	-1.34
5.86	5.85	
8° con	8° con	

	-1.19
5.70	
8° con	

π 4.5!

X Sec Alley Blk 225
Mission Beach

St-Ally

St-Ally

3

BM starting

435

710

B.P. sea wall
San Rafael Pl.

TP3

921

1145

297

154

-0.6

-0.9

-0.9

0453 37

51

54

54

8

8

8

0451 con block wall + fence cross Alley

Begin con block wall across Alley

0447 8° Lt end 6' Board fence

-0.6

-0.7

-0.8

51

53

53

8

8

8

0441 7° RT& water meter

0437 2° RT& 4' x 4' con Storm drain valve

0432 6° Lt& water Meter

0431 8° Lt Begin 6' Board fence

0425

0421 6° RT& dead man

-0.6

-1.1

-0.6

55

56

51

8

8

8

0410 11° RT& single garage dirt floor

-1.4

-1.2

-0.9

52

57

54

8

8

112

0400 Fly Bay Side Lane edge con post

0400 6° RT& 12" pipe #3893

-1.96

-2.09

-1.91

642

600

642

80

80

80

451

X Sec Alley B/K 236 Mission Beach

Lt. Nly

R RT = Sly

5

0+53 3/4 wly strand way edge con pad,

3.80 3.90 3.94 3.96 4.07
5.43 5.33 5.29 5.27 5.16
25 8 8 25

0+48 8° RT E single garage cov floor only

(72 RT)
0+30 { 6' 4" S & Water Meter box

0+25

4.52
4.71
8
Floor

4.6
4.7
4.8
4.5
4.4
8

0+20 7.7 Lt E single garage cov floor + apron

0+19 8° RT E single garage cov floor + apron

(62 4.8 water meter box)
0+02 { 10° Lt E 4' cov walk

0+00

5.00
4.23
1.2
Floor

5.00
4.23
8
Apron Floor

5.07
4.6
1.0
walk

5.0
4.2
8
4.94
5.0
4.2
4.6
9.6
8

0-00' Ely edge cov. aprons to garages they join at E

5.11 5.12 5.11 4.97 4.97 4.96 4.96
4.13 4.11 4.12 4.26 4.26 4.24 4.24
10 8 5 5 8 10

0-02 1° RT N E cov single garage cov floor + apron

0-03 0.3 Lt SE cov single garage cov floor + apron

5.3
3.2
0.2
Floor

4.98
4.25
1.6
Floor

TP, 4.88 9.23 5.54 4.35

BM 2.28 9.89 7.11

BP in Ocean Sea Wall
San Rafael Pt.

7 9.23

X Sec Alley BIK 235 Mission Beach

Lt = Nly

Rt = Sly

6

0+61 8° LT E single garage con Floor + apron

101
822
10 Floor
0.85
828
8 apron

0+60 72° LT E water meter box

0+55 72° RT E water meter box

112
81
102 Floor
0.94
839
82 apron

0+52 8° LT E single garage con Floor + apron

0+50

0.9
81
82
0.8
82
8

8° RT NE cor wooden garage

0+43 8° LT E single garage con Floor + apron

113
780
10 Floor
1.20
803
82 apron

0+41 62° RT E 6' con slab to garage con Floor

0+34 8° LT E single garage con Floor + apron

120
733
102 Floor
1.78
745
82 apron

1.57
72
62 con
1.56
742
82 Floor

0+30 72° RT E water meter
8° RT NW cor garage wooden

0+25 8° LT SE cor Stucco Bldg

2.1
7
8
2.2
70
7
2.1
7
8

0+21 7° 52° LT E water meter boxes

8° LT SW cor Stucco Bldg

0+00 Wly Strand Way edge con pav

329
544
25
383
540
8
389
534
8
393
530
8
397
526
25

0-10 E Strand Way

360
563
25
364
559
8
368
555
8
375
548
8
383
540
25

7 923

Lt-Nly

Rt-Sly

7

1433 { 82 Lt E 2nd con walk
72 Rt E water meter box

1430 82 Rt Begin 2nd wide con apron 11 to line

1425

1417 82 Lt E 3' con walk

1416 76 Lt SE cor frame 2 story Bldg

1402 92 Rt E water meter box

1400 75 Lt SW cor frame 2 story Bldg

0495 82 Rt E single garage con floor only
72 Lt E water meter box

0492 72 Lt E single garage con garage con floor + apron

0483 72 Lt E single garage con floor + apron

0478 72 Rt E 14" PPole PA 742

0475

0474 72 Lt E single garage con floor apron

0470 82 Rt E single garage dirt floor

91
82
14

96
8

95
82
14

92
8

87
88
Floor

87
88
Floor

92
88
Floor

86
88
Floor

87
88
Floor

94
82
14

92
8

95
8

95
84
Floor

82
8

93
8

92
8

92
84
Floor

T 933

BM starting 19.5

272

712

71

TP₂ 5²⁵ 984

444

459

2400⁹⁰ Wly ch Linc Mission Blvd taken along

1490²⁰ (Wly Linc Mission Blvd taken along Blvd

1490.2 } Wly edge cor pav. and obsvds.

1486 7² L+E 6' ^{long} con trash holder

1481 7² L+E water meter box

1475

1494 7⁰ R+E double garage cor floor apron

(8⁴LT SE cor Frame House

1463 7² L+E water meter box

1455 8⁰ R+E pole # A760

1454 8⁴ LT SW cor Frame House

1453 9² R+E water Meter

(8⁰ R+E end con apron

1450 8⁴ LT SE cor Frame House

1435 8⁴ LT SW cor Frame House

Lt = Wly

Rt = S/E

8

-0.50
923
112
86
80

-0.93
1016
112
91
85

-0.87
1010
100

-0.89
1012
86

-0.91
1015
123
94
86

-0.50
923
123
86

-0.26
947
85
85
85
85
85
85

-0.24
947
85
85
85
85
85
85

-0.31
954
85
85
85
85
85
85

-0.43
966
85
85
85
85
85
85

-0.26
959
85
85
85
85
85
85

+0.18
924
72

-0.03
95
8

+0.7
92
8

-0.5
92
8

-0.55

928
70
apron

-0.43
966
90
chov

-0.4
9E
8

-0.5
100

-0.35
958
8
con
apron

+0.10
913
10.8
floor

T 923

INDEXED

AUG 18 1954

LOCATION & PROFILE OF PROPOSED CULVERT
ALLEY BLK 253-UNIV. HTS. W.O. 31782

GEORGIA ST.

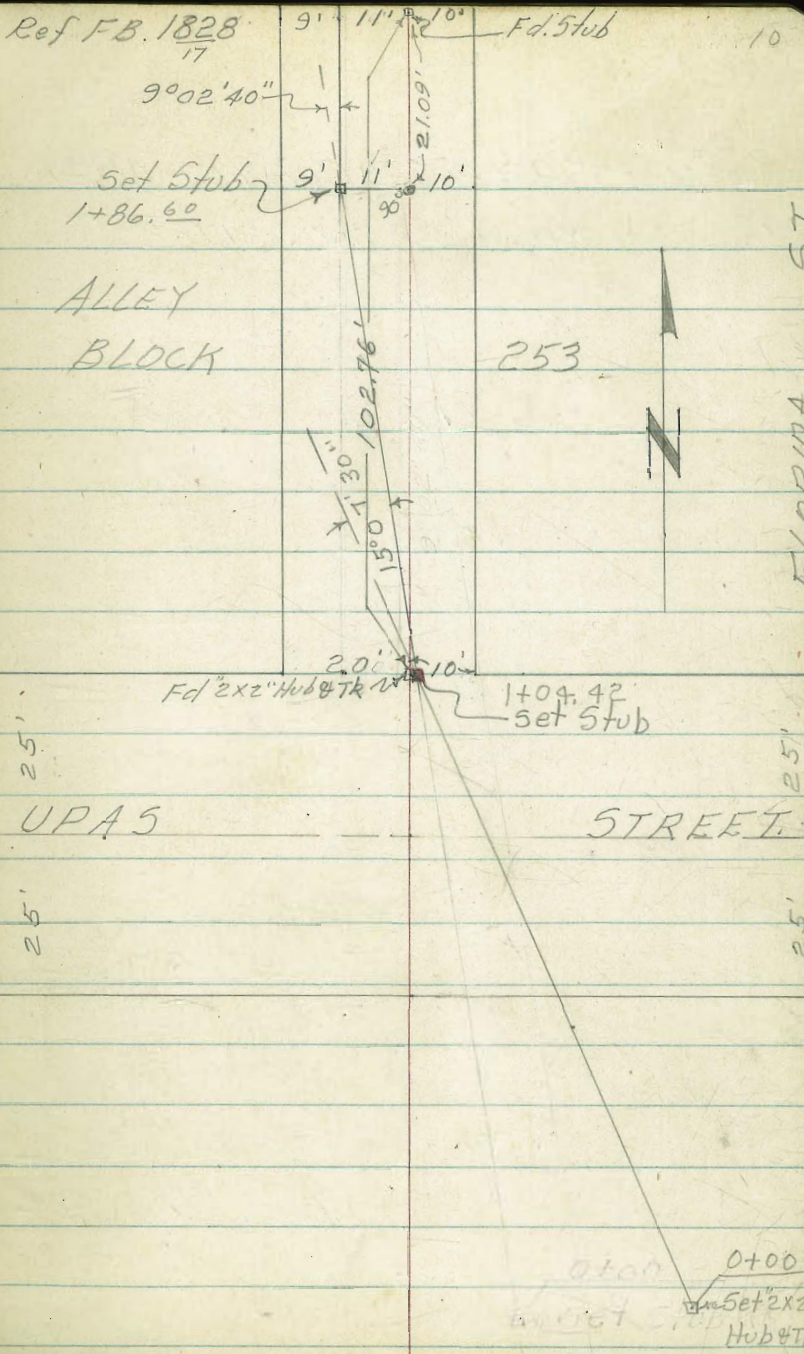
ALLEY
BLOCK

253

FLORIDA ST.

UPAS

STREET.



PROFILE OF PROPOSED CULVERT ALLEY

BLK. 253 - UNIV. HTS. W.O. 31782

0+61 Toe
 +12.72 217.13
 TP. -0.10 204.41
 0+54⁵ ± 5' A.C. Walk

0+28 Top

0+07 Toe

0+00

+0.10 204.51

TP. -12.82 204.41

+1.09 217.23

B.M. 216.14

Lt. & Rt. (11)
 8-17-54
 Stamper
 Huffman
 Nordahl
 Sherry

206.6 205.7 203.6
 10.5 11.4 13.5
 10 0 10

△ 217.13

204.28
 0.23
 0

202.4 201.1 200.0
 2.1 3.4 4.5
 10 0 10

189.1 189.1 189.5
 15.4 15.4 15.0
 10 0 10

189.1 189.0 189.2
 15.4 15.5 15.3
 10 0 10

△ 204.51

(see sketch Pg. 10)
 Top 3/4" Pipe 10.36' East of 2x2" Hub @ N. Line of
 Upas & 10' Wly of E. Line Alley 1828-21

COLV. ALLEY BLK 253 UNIV. HTS.

+12.72 240.30

TP -0.74 227.58

1+26

1+24² 1.2' Rt. Outlet 8" Corr. Pipe ^(Temporary)

P.I. 1+04.42 Sec on Split A

0+99 - 9^o Rt. Cor 5 Woven Wire fence
Set 10, 10" Conc. Base

+12.18 228.32

TP -0.99 216.14

0+85

0+68

217.13

8-17-54

228.3 225.4 223.8 221.12

0.0 2.9 4.5 7.2
6 0 8 10

224.72

3.60
1.2
F.L.

226.82 219.78 219.92 217.1
1.5 8.54 8.4 11.2
10 0 5 10
on stub

228.32

214.8

2.3
0

213.5

210.2

207.7

3.6 6.9 9.4
10 0 10

217.13

Lt.

~~E~~

Rt.

13

8-17-54

CULV. ALLEY BLK 253 UNIV. HTS.

B.M. -12.76 216.14 ~

+1.32 228.90

TP - 12.72 227.58

1+86⁶⁰ End of Line

1+53⁵ Edge A.C. Pavt.

1+40

240.30

2108
3662

216.14 Starting Bench

235.22

235.05

235.11

5.08 5.25 5.19

7 0 10
A.C. on Stab A.C.

234.58

234.34

229.2

5.72 5.96 11.1

10 0 10
A.C. A.C.

233.8

232.2

229.7

228.4

6.5 8.1 10.6 11.9

9 8 0 10

Top Carr
Drain

240.30

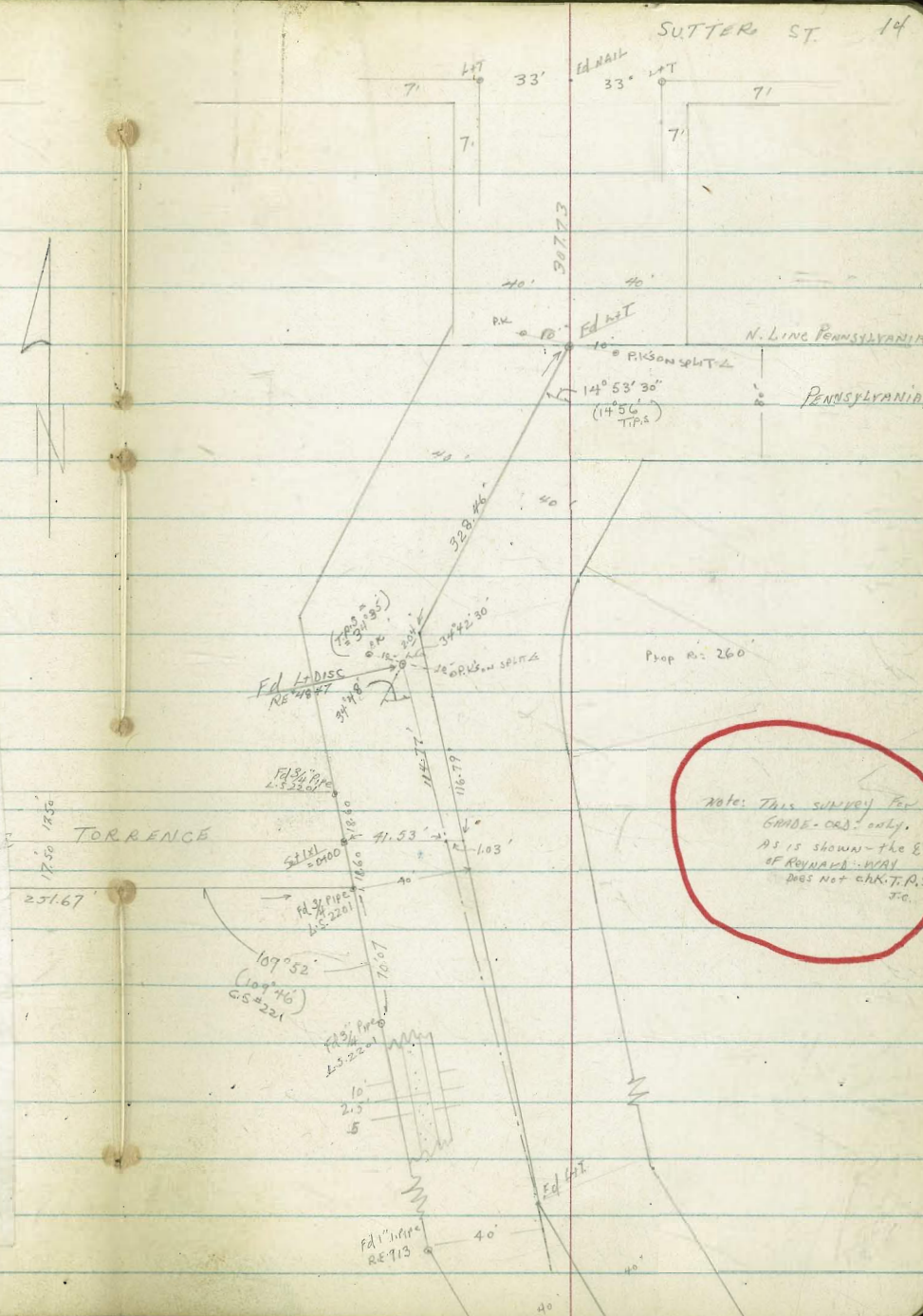
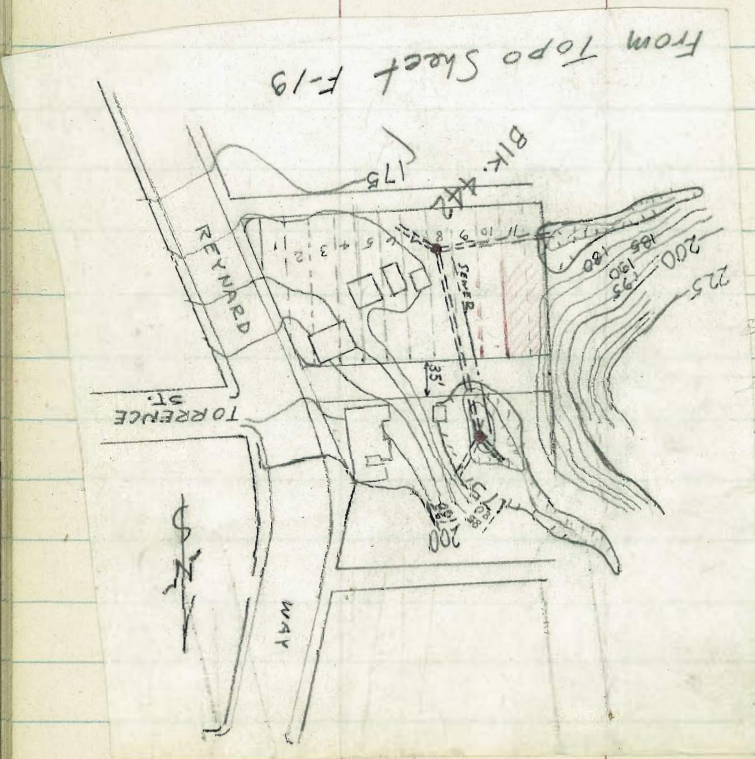
Clark
Shepherd
Overl
9-27-54
W.O. 25010

X-SECT. TORRENCE
REYNARD WAY WLY

Ref: FD 1777-60-61
MPP #330
T.R.S #451-450
Closing Sheet #221
" " 178

INDEXED
SEP 29 1954

SUTTER ST. 14



Note: This survey for
GRADE - ONLY.
As is shown - the E.
of REYNARD - WY.
does not carry P.S.
etc.

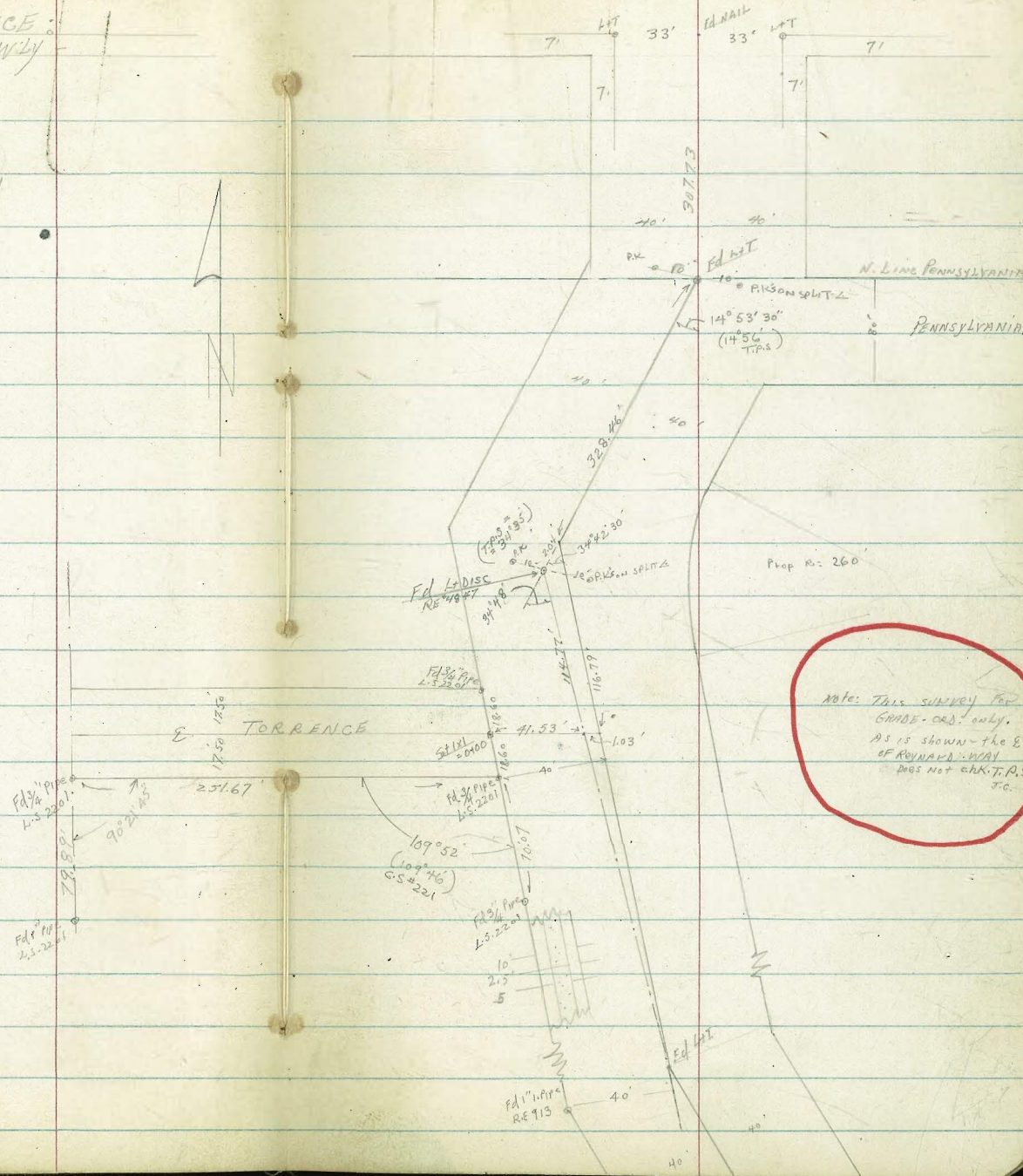
Clark
Shepherd
Owens
9-27-54
M.D. 25010

X-SECT. TORRENCE:
REYNARD WAY WLY

Ref: FA 1777-60-61
M.D.P. # 530
T.R.S. # 451-450
Closing sheet # 221
" " 178

SUTTER ST 14

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TORRENCE (CONT.)

LT.

£

RT

16

0482 14.3 RT END CON. WALK

0480

184.4
17.3
25

185.4
16.3
17.5

183.7
18.0

184.6
17.1
11.5
TP CUT

190.6
11.1
13
TP CUT

190.5
11.2
14.3
edge WALK

191.57
10.15
14.7
TP WALL

190.8
11.4
14.7
FTG

190.57
11.15
15.25
WALK

0478 14.7 RT END 6" CON. WALL - 15.25 RT END STEPS
CONTINUOUS WALK

185.83
15.89
17.3
FTG

186.23
15.49
17.3
TP WALL

0476.5 17.3 W END PAR. AREA YD.

0468

16.1 RT - grade BRK IN WALL & 16.6 RT. BEG STEPS
IN CON. WALK

187.35
14.37
25
OUTLET AREA

187.47
14.25
16.6
edge CON. WALL

187.2
14.5
16.6
grd

192.4
9.3
8

192.6
9.1

192.3
8.4
17

195.81
5.91
16.1
TP WALL

191.9
9.8
16.1
FTG

195.53
6.19
16.6
WALK

197.29
4.33
20
TP WALL

197.10
4.0
20.50
WALK

0440 BRK

0421 14.6 LT END WALK & BEG CON. PAVED AREA W/ YD.

0420.5 13.7 LT END LOOSE ROCK WALK

0420 14.1 LT END IRON RAIL

187.95
13.77
14.6
ON CON. WALL

189.30
12.22
13.7
TP WALL

0406 24.65 RT BEG 6" CON. WALL & 4.0 CON. WALK
BEHIND WALL
WALK MEETS WALL

197.82
3.90
24.6
6" WALL

197.4
4.3
24.6
FTG

198.12
3.60
25.1
WALK

201.72

TORRENCE (Cont.)

2+00
 1+87.5 74' RT E Sewer M.H.
 1780 74.5' RT E Storm Drain M.H. (Cleanout Box)

Note: old highway shown FB 1777 - 60 covered Fill; Culvert apparent (1) extended - see cleanout above

T.P. 418 182.90 10.88 178.72

1450 E = N by edge of Fill here (Fill in bottom canyon) being extended N by

1446.5 111.5 LT E Sewer M.H.
 1443.5 119.5 LT E Sewer M.H.

1427 173 RT E 4" ACACIA

1415 Toe Slope

0+97 = 2 House 90' LT 1 1/2 story house

0+94 12.5 LT End of F.M.S. Con. wall - 18" wide

0+83

T.P. 041 189.60 12.53 189.19

LT S RT 17

178.6
 4.3
 50
 179.00
 3.9
 17.5
 178.7
 4.2
 179.2
 3.7
 17.5
 176.9
 6.0
 25
 EXIST
 Edge
 Fill
 169.0
 13.9
 45
 EXIST
 168.6
 14.3
 60

174.18
 8.72
 74
 12M

177.20
 5.70
 79.5
 10M

180.98
 8.62
 11.5
 Kim
 177.2
 12.4
 50
 176.8
 12.8
 17.5
 182.90
 177.57
 173.5
 16.1
 17.5
 172.3
 17.3
 50

8.32
 119.5
 Kim
 177.3
 12.3
 50
 176.6
 13.0
 17.50
 177.3
 177.5
 12.1
 17.5
 178.7
 10.9
 25

178.59
 11.01
 70
 F.I. House
 corner
 5.40
 90
 upper
 floor
 177.66
 11.94
 12.3
 176
 180.54
 7.06
 12.5
 TP
 wall

182.3
 7.3
 27
 182.5
 7.1
 17.5
 182.1
 6.5
 184.0
 5.6
 11.5
 184.4
 5.2
 17.5
 182.7
 +0.9
 21
 184.6
 +1.0
 30

189.60

TORRENCE (cont.)

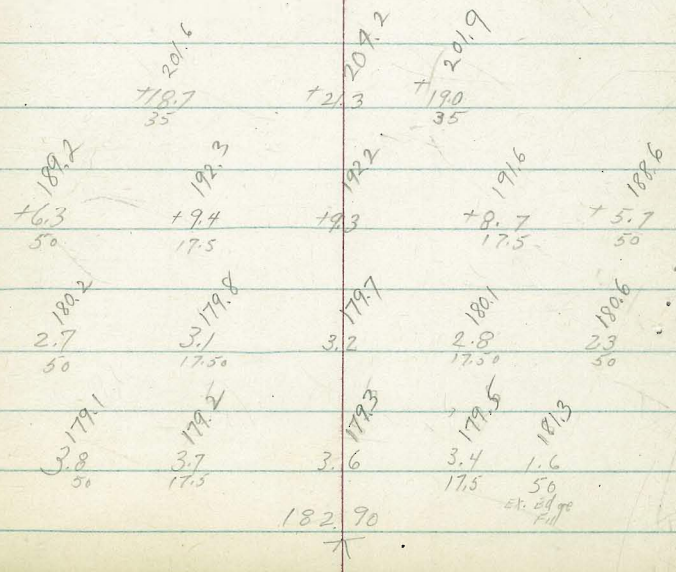
chk:		3.29	257.04 = 256.99 (STARTING R.M.)
T.P.	7.21	260.33	2.47 253.12
T.P.	12.51	255.59	0.27 243.08
T.P.	12.00	243.35	0.13 231.35
T.P.	12.49	231.78	0.29 218.99
T.P.	12.46	219.28	0.67 206.82
T.P.	12.53	207.49	0.68 194.96
T.P.	12.84	195.64	0.10 182.80

2+75 on wly slope-ahead

2+45 shoulder cut-BANK wly

2+41 the CUT BANK wly

2+25



X-sec Alley BIK 15, Sunset Cliffs

0+20- 9.5 RT = begin conc Apron for 2 car garage

81 LT- & Fire Hyd.
A.C. Apron-
0+00- Sly Line Guizot + Sly edge

See pg 39 for New Elev
8/7/59 CHS

0-05E = Sly Curb Line Guizot

See pg 39 for New Elev
8/7/59 CHS

BM 7.76 124.10

116.34

LT = NELY

15-1
Alley

RT = SWLY - 20

121.4	19.6	118.7	118.3	118.6	118.83	121.83	122.61
27	45	54	50	55	527	27	149
25	9	75	75	75	95	25	330
					CONC Apron	CONC Apron	gar Floor

116.1	85.51	85.8	114.85	115.27	115.64	115.5
80	852	902	925	881	846	800
50	75	75	A.C.	75	75	50
	T.C.	90T		90T	T.C.	

115.14
896
50
T.C.

115.91	115.26	115.62	114.95	114.90	114.79	114.83	114.86	115.50	114.49
818	884	848	915	920	931	927	924	860	961
50	50	95	95	75	A.C.	95	95	95	50
T.C.	90T	T.C.	Alley A.C. 90T			Alley A.C. 90T	T.C.	T.C.	90T

124.10 X

SEBP 05proj + Guizot - FB 1657-54-

X-sec Alley BIK 15

0+80

0+60

TP, 13.25 137.23 0.12 123.98

0+48-12⁸LT = end conc Apron - 2 car garage

0+40

0+36-9⁵RT = end conc Apron - 2 car garage

0+31-13¹LT = begin conc. Apron - 2 car garage

LT = NELY

151 Alley

RT = SWLY - 21

176.6	125.9	125.8	125.9	126.4	127.0	127.1
10 ⁶	11 ¹³	11 ⁴	11 ³	10 ⁸	10 ¹²	10 ¹
25	75	5	5	75	10	25
125.3	124.0	123.7	123.5	124.0	124.9	
11 ⁹	13 ²	13 ⁵	13 ⁷	13 ²	12 ³	
25	75	5	5	75	25	

137.23 X

123.34	123.02
076	108
229	128
gar floor	Apron

122.2	121.8	121.2	121.0	122.3
19	2 ¹³	2 ⁹	30	108
13	75	19	75	25
gar Apron				

123.25	121.74	120.67	122.18	122.61
085	2 ³⁶	343	192	149
231	131	95	25	330
gar floor	conc Apron	conc Apron	conc Apron	conc floor gar

124.10

X-sec Alley 13116 15, Sunset Cliffs

LT = NELY

RT = SWLY 22

Wall is stepped up to fit alley grade

7⁵ LT = begin conc block wall

1480- 7⁶ LT = end 6' high board fence

1479 ^{end wall} See Pg 39

TP2 13.36 150.51 0.08 137.15

3 spike in fence } 8 LT
station 1475

1475

14634 See Pg 39

1450

1425

1420- 7⁸ LT = begin 6' high Redwood board fence

1419- 7⁹ RT = 2 1/2" power pole # PA4486

14185 ~~RT~~ was See Pg 39.

1400

143.30	137.8	137.8
72	127	127
75	75	75
Top Wall	Base Wall Feet	grat Wall

150.51 π

137.7	137.3	136.5	136.4	137.2
+ 0.5	+ 0.1	0.7	0.108	0.10
25	36	37	37	25

24	31	31	36	31
25	75	75	75	25

5/31.3	6/30.9	6/30.7	5/31.3	4/32.5
24	75	65	75	25

128.7	128.0	128.0	128.2	128.7	128.7
85	92	92	90	85	85
25	75	75	75	10	25

137.23 π

Alley BIK 15 cont

LT = NE 1/4

2

RT = SW 1/4 23

2+75

149.3	149.7	149.6	149.8	148.8
12	08	09	07	17
25	75		75	25

2+50

148.5	148.3	147.4	146.9	147.4	148.2	148.3
20	22	31	3	31	23	22
25	85	75		5	75	25

2+40 5 10² LT = begin S' high Redwood board fence

7⁵ LT = end Conc block wall.
 2+40 - 6³ RT = 2 12" power pole # P1A466

149.24	144.1	145.3
127	64	52
75	75	75
Top Wall	Footing	gr at Wall

2+25

57	577	608	143.3	143.3	143.2
25	75	75	72	72	73
	Top Conc Pole	gr	75	75	25

2+00

87	867	107	139.6	140.9	142.0	142.3
25	75	75	10	9	85	82
	Top of Conc Wall	gr at Wall	Base of Wall	4	75	20
						25

1+93 See Pg 39

150.51 X

X-sec Alley BIK 15 cont

LT = NELY

RT = SWly 24

Nail in power pole
PA 44 46
LT sta 3+60

4
1
1
Alley

TP4 9.01 169.32 0.31 160.31

169.32 X

155.6
10
8
9
at
Wly wall

3+25

155.1	155.5	155.1	155.1	155.3	155.3	158.06
45	5	5	5	5	5	2.56
25	75	75	75	75	76	76
				9r	9r at wall	Top wall

3+03 - 94° LT = begin 6' high board fence

on top - wall is stepped to fit grade at P113

3+00.76 RT = begin conc block wall - board fence

152.8	152.8	152.3	152.9	152.2	152.2	151.5	151.5	151.9
7 ¹⁰	7 ⁸	8 ³	8 ¹⁰	8 ⁴	8 ⁴	9 ¹	5 ²⁷	8 ⁷
25	75	5	7	72	76	76	76	25
				at	9r at wall	Foot	Top wall	

2+95 See P1 39

160.62 X

TP3 10.24 160.62 0.13 150.38

spike in fence cor - 10° LT sta 2+80

2+80 - 10° LT = end 5' high board fence

150.51 X

X-sec Alley BIK 15 cont

3+81-8⁸ 6' Redwood fence atop block wall
LT=begin low conc block wall

3+75

3+60- } 7⁶ RT= begin 6' high Redwood board fence
7⁵ RT=end conc block wall

3+59⁵ 7² RT= 2 12" power pole # PA 4446.

3+59- 9⁴ LT=end 6' high board fence

3+50

3+31- 7⁵ RT=d 5⁶ wide conc walk - opening
IN wall

LT=NEL-1

2

RT=SW1/4 25

7 ⁰ ₃	9 ² ₁	9 ⁰ ₀	162.29		
88	88	88	160.1		
Top Wall	Foot	9 ¹	160.3		
9 ⁴ ₁	9 ⁵ ₈	10 ⁰ ₀	159.9	159.5	
28	75	8 ¹	159.9	9 ⁷	6 ⁴ ₉
				9 ⁴	159.9
				75	159.9
					9 ⁴
					25

6 ⁸ ₉	6 ⁸ ₉	9 ⁰ ₃	160.29
10 ⁴ ₄	12 ⁴ ₄	9 ⁰ ₃	
75	75	75	
9 ⁴ _{at}	Foot	Top	
Wall	Wall	Wall	

157.9	157.9	157.4	157.4	157.7	159.86	157.5
11 ⁴	11 ⁴	11 ⁹	11 ⁹	11 ⁶	9 ⁴ ₆	11 ⁸
28	75	8 ¹		75	75	25
				9 ⁴ _{at}	Top	
				Wall	Wall	

13 ² ₅	13 ² ₅
7 ⁵	13 ²
conc	conc
walk	walk

169.32 T

X-sec Alley BIK 15-

LT = NELY

RT = SW 1, 26

4+25

165.8
165.7
75

165.5
100

166.1
166.1
75

165.3
165.3
25

4+23- 7⁶ LT = begin Conc Apron - 2 car Garage

166.61
271
130
gar
Floor

165.92
340
716
Conc
Apron

163.2

165.3

165.0

165.3

165.1

4+21- To show Terracing on RT

6-
25

4°
75

4¹³

4°
75

4²
25

} NELY end lateral Conc block wall

4+20- 7⁵ RT = end Redwood board fence

163.2
61
25

165.3
40
75

165.0

165.3
40
75

162.8
65
78
9' x 4'
Conc Block
Wall

162.8
65
78
Foot
Conc
Block
Wall

163.3
60
25

4+16- 8⁸ LT = end 6' high Redwood fence

162.4
69
25

162.4
69
75

162.2
71

162.0
73
75

162.1
72
25

4+00

162.35

160.2

160.8

3+88- 8⁸ 6' high Redwood fence continues
LT = end Conc block wall

697
88
Top Wall

91
88
Foot

815
88
92

169.327

X-sec Riley BTK 15 Cont

LT=NELY

£

RT=SWly

27

also See Pg 40

4481- 7² RT=begin 6' high Redwood fence wall on RT

4480- 6⁵ RT=£12" power pole # PA4426

4475

4471 See Pg 40

4464 See Pg 40

TPS. 12.56 181.45 0.43 168.89

4463? See Pg 40

4450

4445 RT See Pg 40

4443- 13° LT=£ 5' wide Conc walk

4437- 7⁶ LT= end Conc Apron 2' can gar

171.1

10⁴
25

170.9
10⁶
75

170.5
11⁰
25

170.5
11⁰
75

170.12
11³
25

181.45 π

169.31
0¹
25

168.3
1⁰
75

168.1
1²
25

168.3
1⁰
75

168.0
1³
25

167.74
158
23
walk

166.62
166
130
walk

166.62
266
130
Conc
Floor gar

166.62
264
76
Apron

169.32 π

X-sec Alley BIR 15- Sunset Cliffs

LT=NELY

10' Alley

RT=SWly 28

5+23-12² RT= Single Gar. - Conc Floor
No Apron

175.82
12²
Conc Floor

5+18⁵ 7² LT= Car garage
begin conc Apron for 2

177.61
384
177
Conc Floor Gar
546
77
Conc Apron

5+17-10⁵ RT= end clay brick dwelling

175.4
6¹
10⁵ Grate House
174.8
6⁷
10⁵ Foot of Foundation

5+12.97 (see T.P. Sketch)
5+12.84 = B.C. RT } det per foot = 9.9645
LR=172.5 - D=40°37'05"

175.2
6³
25
174.8
6⁷
75
174.08
7³⁷
24.6
ground
174.4
7¹
5
174.5
7⁰
75
175.2
6³
10⁵
grate House

5+01-6⁴ RT= d deadman

173.5
80
25
173.2
8³
75
173.1
8¹
5
174.0
7⁵
75
174.0
7⁵
10⁴
grate Bldg

4+94 See Pg 40

4+86-10⁴ RT= dwelling - Conc Foundation
begin clay brick

172.3
9²
10⁴ grate Bldg
171.9
96
10⁴ Footing at Foundation

4+82 See Pg 40

181.457

X-sec Alley BIK 15 cont

LT = NELY

Alley

RT = SWly 29

180.5	180.0	179.6	179.5	178.9
10	15	19	20	26
25	75		75	25

97
5+62.84

det = 8°18.22'

Sewer flows with Alley: SELY to NWly-

5+50 - 3⁸ LT- of Sewer Manhole

175.02	178.82
643	2613
38	38
IE Sewer	RITT

5+39 - 10⁵ RT- end Conc block wall

45	69	41
105	105	105
9.47 wall	Foot	Top wall

97
5+37.84 Section taken Radially

det = 4°09.11
Chord = 24.97

178.8	178.8	177.2
27	37	4
25	75	

76.6	77.4
49	46
75	25

5+37 - 9⁰ LT- end Conc Apron for 2 car

176.7	177.46
378	399
190	90
gar floor	Apron

5' high board fence atop wall

5+28 - 11² RT- begin Conc block wall

146.7	174.6	177.01
58	69	44
112	112	112
9r	Foot	Top Wall

181.45 X

X-sec Alley BIK 15 cont

LT=NELY

Alley

RT=SWLY 30

~~6+35~~²⁷ = Newly Line Novara ST

6+3527 (see TR sketch)

def = 20°18'32" Ch = 22.27

97
6+12.84

def = 16°36.44

6+07- 3⁵ RT = deadman

97
5+87.84

def 12°27.33 Ch 24.97

Set BM - spike in pole # PA4406 EL = 183.27

5+84- 7⁸ RT = 12" power pole # PA4406

5+79 see pg 41

TP₆ 12.13 193.57 0.01 181.44

189.3	187.2	186.4	186.0	184.4
4 ³	6 ⁴	7 ⁵	7 ⁶	9 ⁷
25	75		75	25

186.6	185.2	184.8	184.6	183.6
7 ⁰	8 ⁴	8 ⁸	9 ⁰	10 ⁰
25	75		75	25

184.3	182.2	182.0	182.5	182.0
9 ³	10 ⁴	11 ⁶	11 ¹	11 ⁶
25	75		75	25

193.57 x

181.45 x

LT = NELY

Alley

RT = SWly

31

TP13	Starting	B.M.	12.39	{116.34}	116.32
TP12	0.42	128.71	13.20	128.29	
TP10	0.09	141.49	13.34	141.40	
TP9	0.17	154.74	13.14	154.57	
TP8	0.12	167.71	13.14	167.59	
TP7	0.47	180.73	13.31	180.26	

7.8 RT - 5784
 B.M. - Spike in P.P.# PA4406 - EL = 183.27 ✓

Section taken along on

6+49.14 = Nly Curb Line Novara ST

	191.44										
	213	273	585	659	682	742	805	824	766	1218	1141
	50	50	106	106	81		74	94	94	50	50
	T.C.	90T	T.C. BC	90T BC				90T BC	T.C. BC	90T	T.C.

See TP Sketch

- 27 } = Nly A.C. Paving Alley Apron
- 27 } = Nly edge walk along Novara
- 6+36 - } = Nly end Alley curbs

ckd. 8-7-59

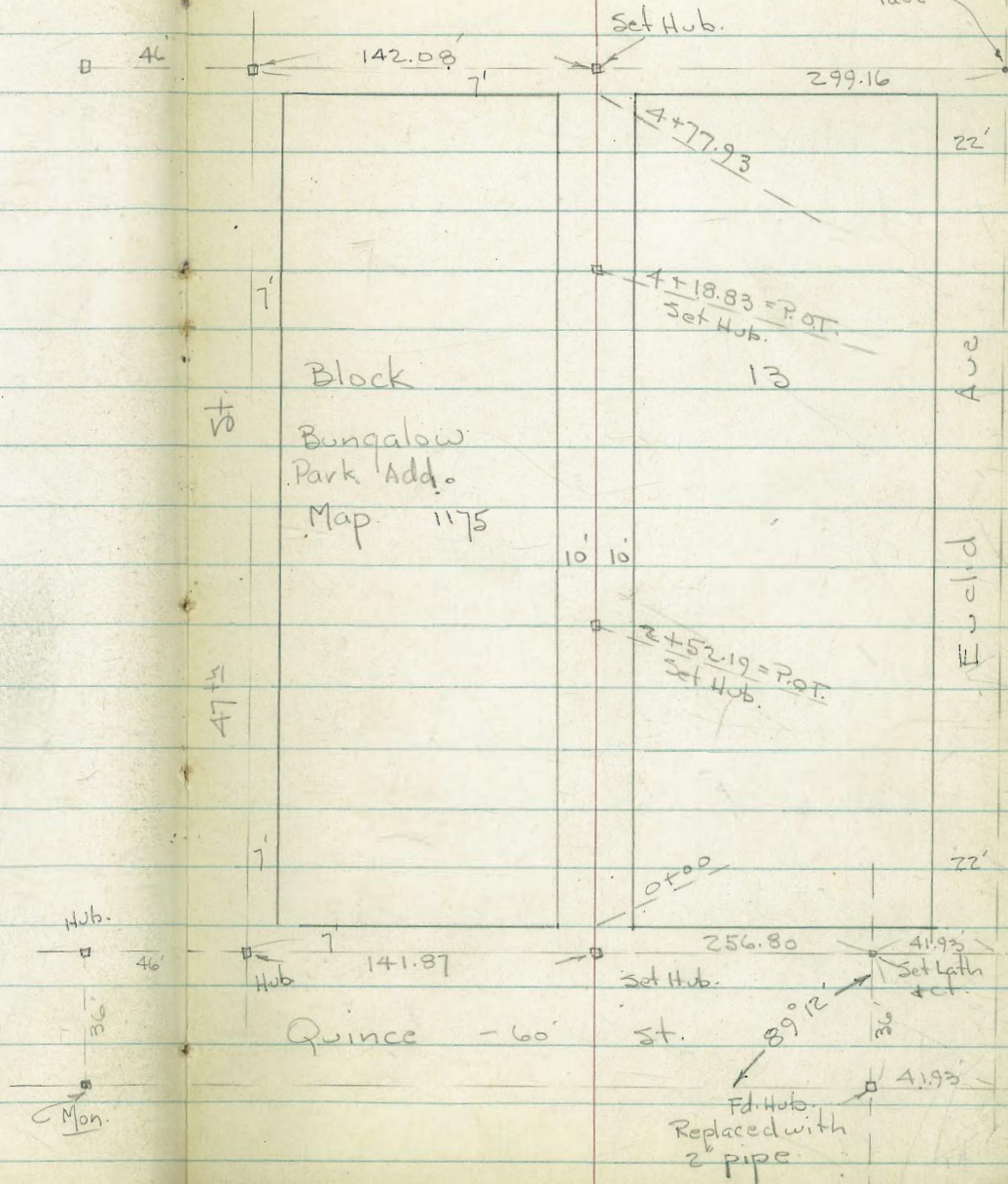
	187.22									
	435	598	633	719	755	723	895			
	25	78	78	79	77	77	35			
	Nly of Walk	T.C.	90T		90T	T.C.	Nly of Walk			

193.57 x

Redwood = 80' St.

See Book 1435 - Page 1 for ties

Fd. Ld. & set. in
Pave



X-Section 20' Alley in Block 13 - Bungalow
Park Add. for Grade Est. - Sketch - P. 32

W.O. 25020 - 11-16-54 - 7.0.

INDEXED

JEP

NOV 29 1954

Hub. 2+52.19

251.92

2+50

56.0 53.5 50.2 45.5 39.0
20 10 10 20

2+00

48.8 46.8 42.0 35.8 30.6
20 10 10 20

1+50

38.4 36.9 33.1 28.6 24.6
20 10 10 20

1+00

24.0 25.3 25.7 24.1 21.8
20 10 10 20

0+60

16.5 19.6 22.6 24.2 22.3
20 10 10 20

check B.M. = Pipe - Book

217.97 - 217.95 = Book

0+20

10.0 09.0 09.4 11.9 12.5 12.1
20 13 10 10 20
±Creek

0+00 = N.L. Quince

09.9 09.4 07.4 209.3 09.2 09.2
20 10 4 10 20
±Creek

0-24 = ± Alley - in ± of Creek

206.7

Set B.M. - on 0-07 Hub.

208.85

200 not Noted.

B.M. = 4+46.13 = Hub

205.84

Actual Elev. shown.

Euclid + Quince - Sewer line

Lt.

E

47.0
45.5
Rt.

34

5+17.93 = E Redwood			38.2	33.8	30.9	28.3	26.4
			20	10		10	20
4+24.93 ~ Set B.M. on Hub 5th.7' Redwood					233.04 on hub		
4+77.93 = South line Redwood St.			42.7	38.5	34.2	30.6	27.5
			20	10		10	20 Toe
4+55			50.6	46.4	42.1	38.3	33.5
			20	10		10	20
4+25			59.1	56.4	51.4	47.0	42.0
			20	10		10	20
4+05			61.8	57.8	54.3	50.6	44.4
			20	10		10	20
3+75 - End level yard at bottom of			59.9	57.9	55.7	52.7	35.4 34.7
			20	10		10	15 30
3+62.3 - 20.2 Rt. = E 20.3 wide plumbing bldg.					35.50 35.3 20.7 floor Top bank		level yard
3+40			60.1	57.3	54.7	51.6	35.3 35.4
			20	10		10 Top bank	15 30 level yard
T.P. - Top 3+00 Lath	254.16						
3+00			60.3	56.4	53.8	50.3	35.8 35.5
			20	10		8	10 30 Level yard
					200' not noted		

INDEXED

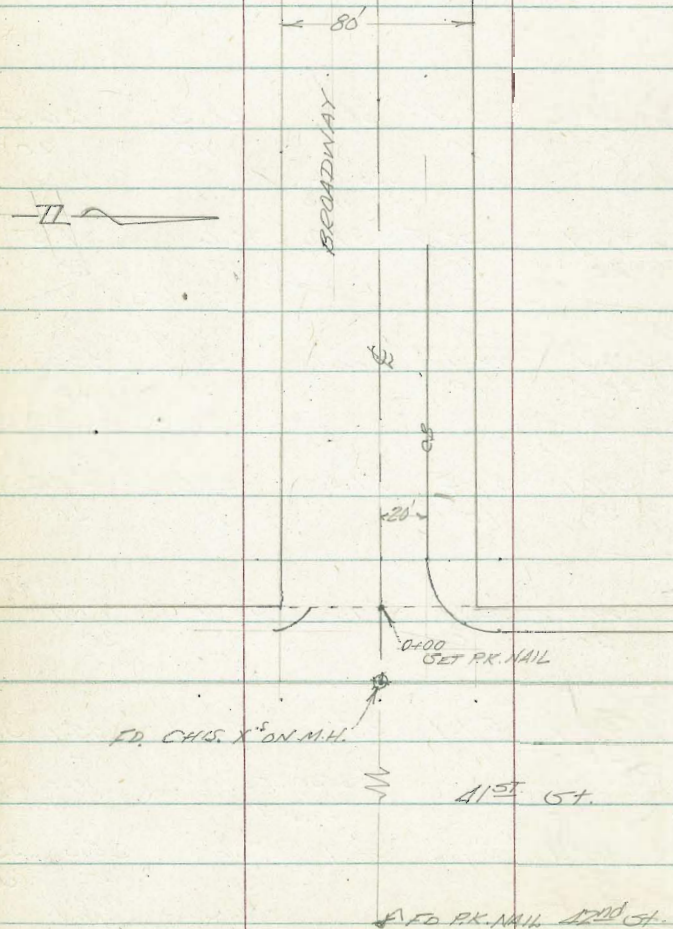
JER

MAR 21 1955

X-SEC. BROADWAY, NLY. FROM 41ST.
TO DETERMINE QUANTITY OF RECENT
EXCAVATION.

35

COTA
GARBER
KELLY
N.O.# 25020
3-18-55



Z-SECTIONS, BROADWAY - CONT'D.

LT. ♀ RT.

0480	175.8 40	175.8 21	174.1 19	173.4 12	171.5 6	170.7	169.8 20 Dirt over gutt.	169.85 20 Cb.	171.4 10	
0469	175.3 40	175.6 21	174.2 19	173.7 10	171.3 6	170.7	169.9 20 Dirt over gutt.	170.07 20 Cb.	171.4 10	
0464	175.0 40	175.2 21	171.7 15	171.2 6	170.5	169.9 20 gutt.	170.14 20 Cb.	171.4 10		
0450	174.3 10	174.0 34	174.2 21	174.7 14	174.5	169.86 20 gutt.	170.31 20 Cb.	171.4 10		
0420	173.4 40	173.0 35	172.8 29	171.2 25	171.4 10	170.6	169.9 18.5 DIRT	170.28 20 GUT	170.73 20 Cb.	171.5 10
0400 EAST PROP LINE A1ST.	172.2 40	170.8 34	170.64 27.3 Cb.	170.13 27.3 GUT	170.10	170.66 27.3 GUT	171.17 27.3 Cb.	171.6 16		

15. WSP A1ST & HILLTOP = 157.66 - DIRECT ELEVATIONS

Lt.

E

Rt.

1458

1772	1765	1724	1723	1712	1727	1722	1705	1704
40	26	19	9		5	11	14	21

1706	1691	1679
40	35	21

1452

1773	1766	1721	1720	1712	1706	1682	1683	1700
40	21	19	8		21	24	29	40

1457

1773	1767	1719	1718	1724	1727	1706	1684	1685	1710
40	21	20	8		6	12	16	24	40

1408

1770	1767	1717	1716	1722	1719	1691	1710
40	23	15	6		13	20	40

1400

1767	1766	1718	1706	1703	1694	1697	1711
40	22	15		15	20	22	40

Dirt over
26 ft
from here
on.

Add. X-Sees Alley BIK
15 Sunset Cliffs

MO # 3239L
8-7-59

C. H. S
Huffman
Wentworth
Rover.

2495

1490 1491¹⁰ 151.7 151.4 151.4 151.0
15 9 75 7 75 15

with 2' Conc Walk Back of Wall

1493 Lt. 4' Opening Thru Wall

139.90 139.83
12 76
on on Conc
walk wall

1479 7^o Rt Enc 8" Conc BIK Wall

137.6 136.8
7^o 7^o
Grd. Bot Ftg.

Thru Wall

1463 7^o Rt & 3' Gate & Opening

135.3.8
7^o on
Conc @ Gate

Set RK. Pole # PA4486 (Opp Sta 1419) 131.65

1418^s 7^o Rt Beg 8" Conc BIK Wall 5' High

130.4 129.6
7^o 7^o
Grd Bot Ftg

1400

1558 15.24 115.10 15.30 15.64
75 75 on AC 75 75
cb Gut Gut cb

0-05^s = Sly. Ch. Line Guizot

1591 4527 15.61 15.04 14.99 114.91 14.91 1489 1549 1459 151.5
50 50 95 95 75 75 95 50 50
cb Gut cb Gut cut cb Gut cb

Set T.B.M. Top Hub 5+12.9766. 173.9

4+94 7⁶ Rt End Conc Wall

172.8 172.2 72.70

7⁶ 7⁶ 7⁶
Grd Ftg Top
Wall

4+82 7² Rt. Drain Thru Wall

172.16

7²

1E

4+81 7² Rt. Begin Conc Wall

171.3 170.5 172.34

7² 7² 7²
Grd. Ftg Top

4+71 15⁰ Rt & Single Gar. (No Apron)

170.45

15⁰

Gar Floor

4+64 8⁰ Rt & Laterals 8" Blk Wall

169.2 167.6

8⁰ 8⁰
Grd Ftg

4+63 11⁴ Rt End Conc Patio Slab

168.10 168.17

11⁴ 21⁴
conc conc
slab

4+45 11⁴ Rt Begin Conc Patio Slab

167.58 167.65

11⁴ 21⁴
conc conc
slab

TBM. on Hub 6+35²⁷

186.07

5+79

12² L+R 12° Drive

18253

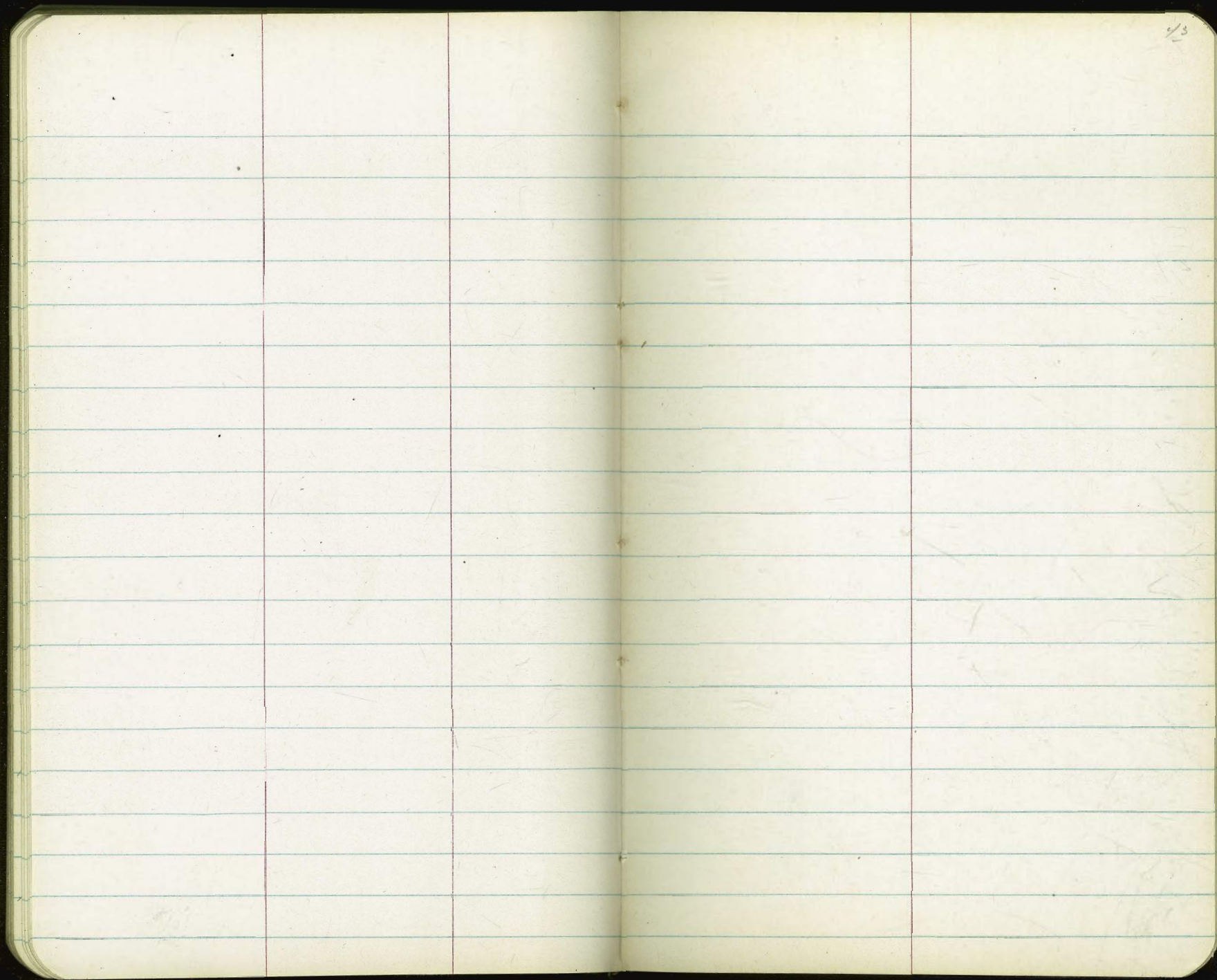
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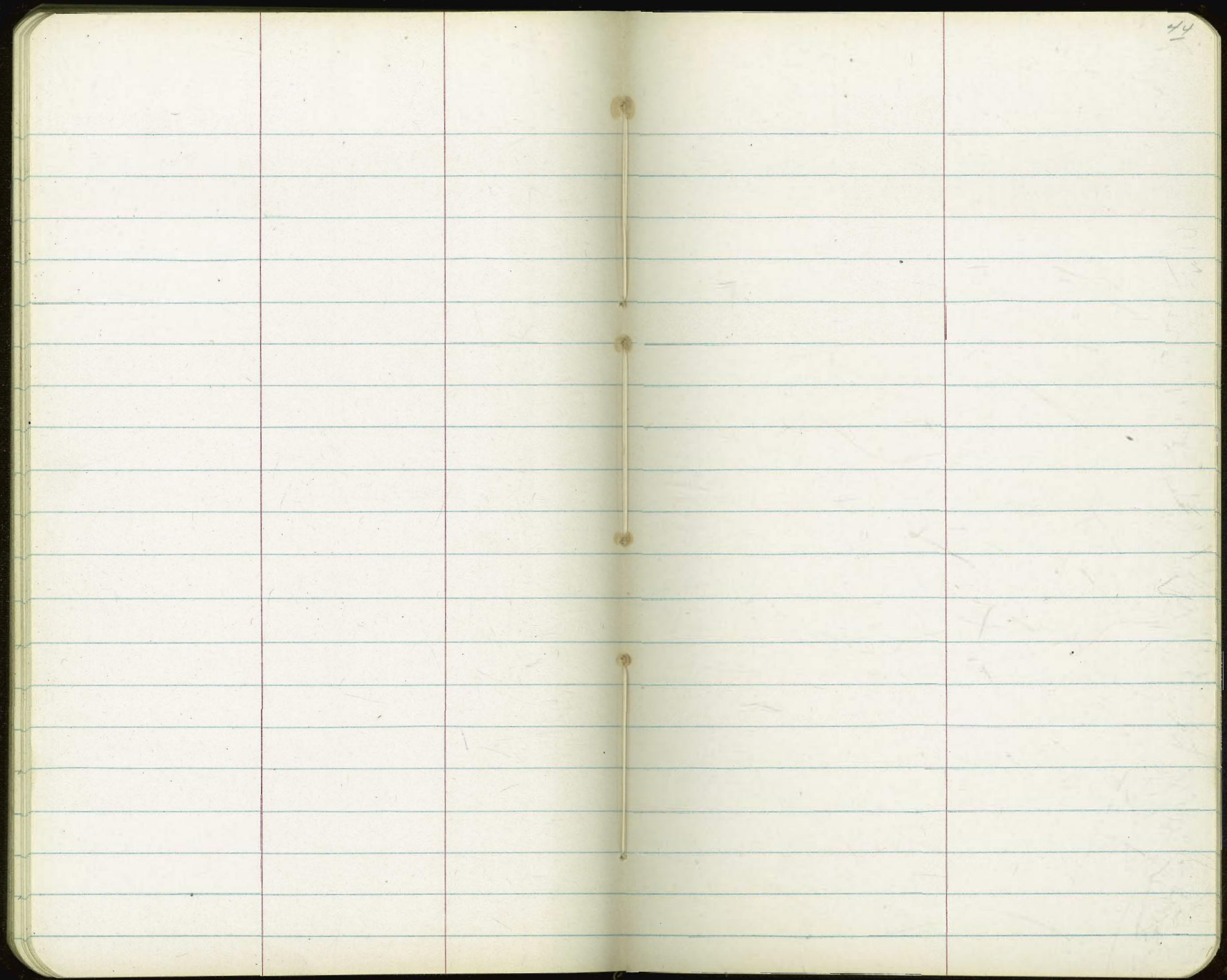
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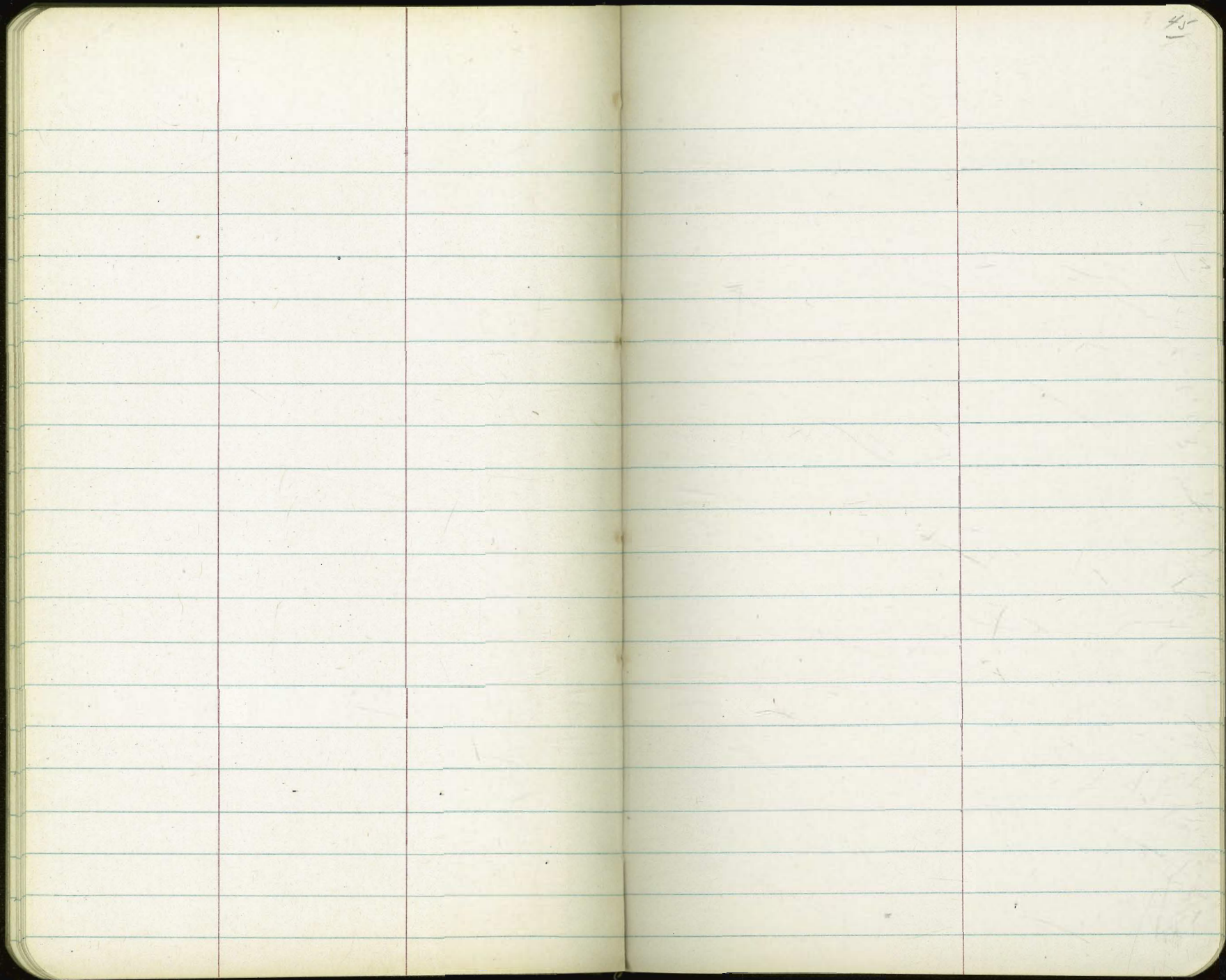
12²

conc
Drive

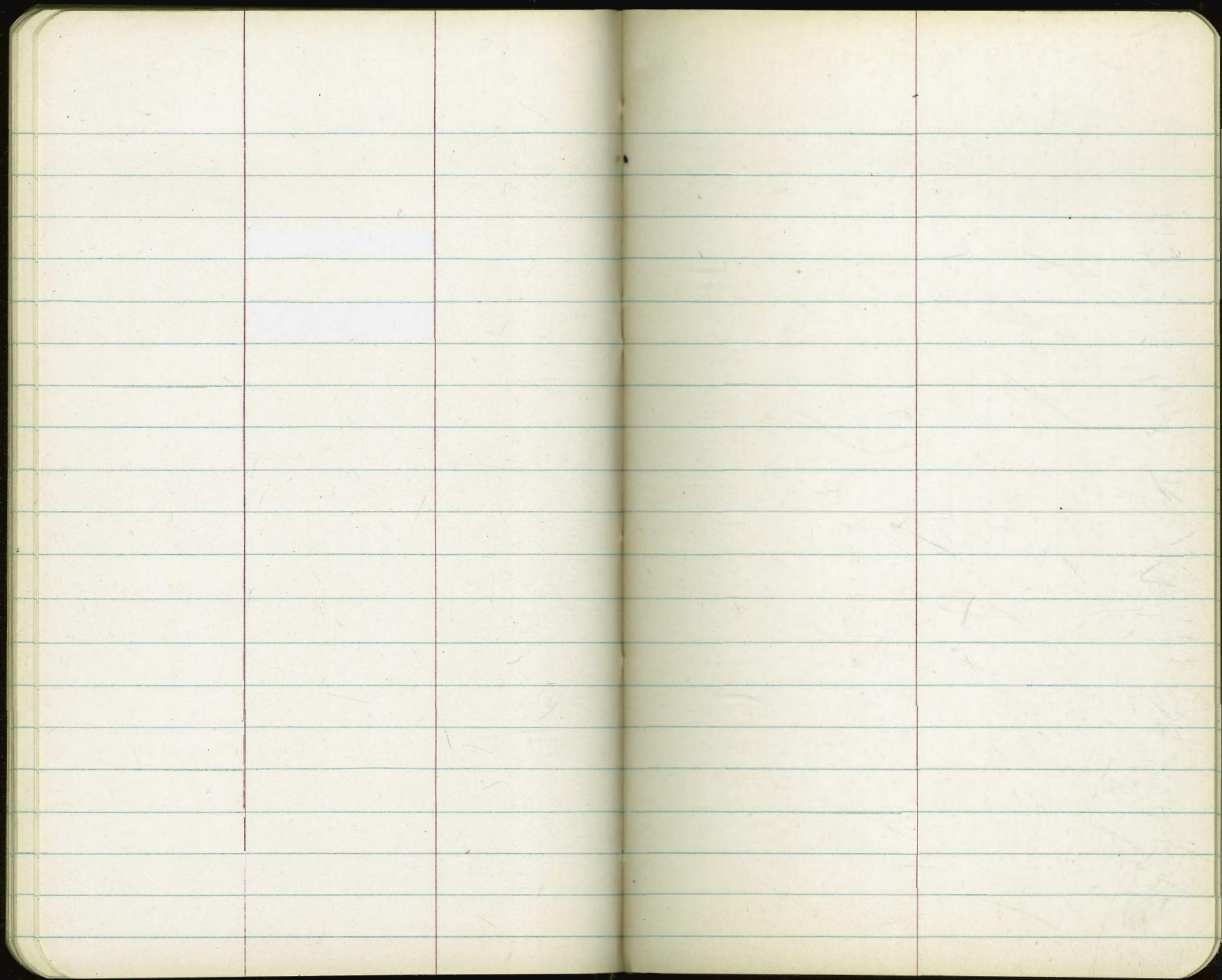
conc
Drive

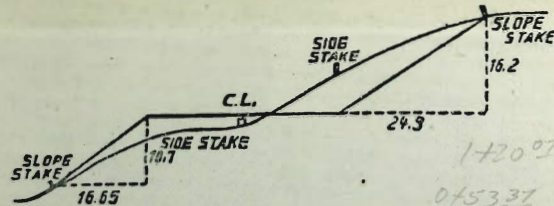






The image shows an open notebook with two facing pages. Both pages are cream-colored and feature light blue horizontal ruling. A vertical red margin line is drawn on each page, creating a narrow left margin. The pages are otherwise blank, with no text or drawings. The number '46' is handwritten in the top right corner of the right page. The notebook is set against a dark, solid background.





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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