

1855

1855

1851 - Milton

CITY ENGINEER'S OFFICE

EUGENE DIETZGEN CO.

DRAWING MATERIALS, MATHEMATICAL and
SURVEYING INSTRUMENTS

Chicago New York San Francisco New Orleans Pittsburg Toronto

Distances from Center of Roadway for Cross-Sectioning
Roadway 16 feet wide. Side Slopes 1 on 1.
For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	0
1	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	1
2	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	2
3	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	3
4	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	4
5	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	5
6	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	6
7	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	7
8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	8
9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	9
10	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	10
11	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	11
12	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	12
13	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	13
14	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	14
15	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	15
16	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	16
17	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	17
18	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	18
19	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	19
20	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	20
21	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	21
22	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	22
23	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	23
24	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	24
25	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	25
26	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	26
27	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	27
28	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	28
29	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	29
30	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	30
31	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	31
32	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	32
33	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	33
34	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	34
35	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	35
36	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	36
37	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	37
38	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	38
39	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	39
40	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	40

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Grade 50% Rag Paper having a WATER
RESISTING SURFACE, and is sewed with
Bing Special Enamel Waterproof thread.

Made in U. S. A.

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 30.6. For same slopes but other widths of roadbed, correct above figures by one-half difference in width of roadbed; thus in example above, for 20 ft. roadbed distance will be 30.6 + (20-16)÷2 or 2 ft. added to 30.6 = 32.6. For slopes of 1 on 1½ see inside of back cover.
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Index

- 1-16 X sections Frankfurt
from Milton to South
- 17-37 X sec Erie, Milton to Littlefield
FIELD
- 38-51 " Littlefield Blvd to Fr. H.
- 52-66 " Denver, Napier S. Ly
- 67- " Goldfield

INDEXED

JUN 11 1948

Xsec Frankfort St
 Milton to Littlefield
 See Sketch 1590-2-3

Moore 1502-28-5x
 Bogg
 Green
 Roberts W.O. 31510

5-24-78
 +09 28' Lt 24" Palm
 1+08 30' Lt 10" Pop

1+00

+93 28' Lt 15" Pop

+88 26 Ft. of drive way 1/2 wide

+85 28' Lt 24" Palm

+71 28' Lt 12" Pop

0+60± EC curb ref.

+58 28' Lt Palm 36"

to Mon
 Frankfort
 Milton 4.92 58.49

53.57 53.67
 Walker

Lt = EAST

Rt = West 1

INDEXED
 JUN 11 1948

54.3	53.0	52.5	53.2	52.9	52.59	51.99	52.63
4.2	5.5	6.0	5.3	5.6	5.90	6.50	5.86
40	26	16	14		8	36	26
					P	90+	cutb
						P	

53.01	52.51	51.51	52.17
6.48	5.98	5.98	6.32
26	31	36	40
curb			
47.			

54.2	53.3	52.7	52.37	51.78	52.26
4.3	5.2	5.8	6.10	6.71	6.13
40	26		8	EC	26
			P	P	26
					28.80

58.49

Frankfort

1+50

+49 29 12" Popi

+42 29' Lt 24" Palm

2+17 28' Lt 24" Palm

2+00

+88 28' Lt 24" Palm

+81 23' 5 Tel 307145H

+62 29' Lt 24" Palm

1+50

+36 28 Lt 24" Palm

58.49

58.2
0.3
40

57.7
0.8
28

54.6
3.9
16

54.3
4.2
8
P

53.84
4.65
8
P

53.29
5.20
9
P

53.87
4.62
5
P

2

57.9
0.6
40

54.9
3.6
11

54.1
4.4
8
P

53.5
5.0
8
P

52.84
5.65
9
P

53.44
5.05
6
P

56.7
1.8
40

55.2
3.3
22

53.8
4.7
11

53.4
5.1
8
P

53.04
5.45
8
P

52.44
6.05
9
P

53.06
5.43
6
P

58.49

Frankfort

Fd 11.11.12 P 6.39 55.03 55.13
 3+83.05+ curb return
 +74 28" 18" Palm
 +69 43 24" Palm
 +53 24.3 Pole JP 2931 017810 T

3+50 38" 4 6" Peg
 TP 676 6.142 3.83 54.66

3+44 28" Lt 12" Palm

3+16 38" Lt 12" Palm

3+00

+76 26 Rt Driveway 10' wide

2+65 38" Lt 18" Palm

5849

LT

B.M. Napier & Galveston
 58.7 55.5 57.3 56.0 55.6 55.05 54.47 55.04
 3.2 2.9 4.1 5.4 5.8 6.37 6.95 6.38
 40 30 33 9 8 8 9 25
 par par 26

58.5 57.0 55.7 55.3 54.67 54.30 54.78
 2.9 4.4 5.7 6.1 6.75 7.22 6.64
 40 22 9 8 8 9 26
 par par 26

61.42

58.1 57.8 55.1 54.9 54.33 53.81 54.34
 0.4 0.7 3.4 3.6 4.16 4.68 4.15
 40 26 11 8 8 9 26
 par par 26

53.61 54.15 53.89
 4.88 4.24 4.60
 26 325 40
 curb gut.

5849

Frankfort

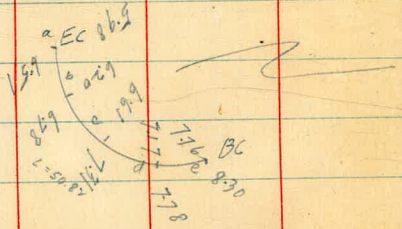
5+50	61.0 0.4 40	60.8 0.6 27	58.0 3.4 20	57.6 3.8 13	56.3 5.1 12	56.0 5.4	55.67 5.75 8	55.09 6.33 8.6 P.9	55.73 5.69 26
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4+82 ± EC of curb return	60.4 1.0 40	59.9 1.5 24	58.2 3.2 21	58.2 3.2 12	56.8 4.6 10	56.0 5.4	55.48 5.94 8	55.44 cb. 5.98 2.69 P.1	54.91 gate. 6.51 26
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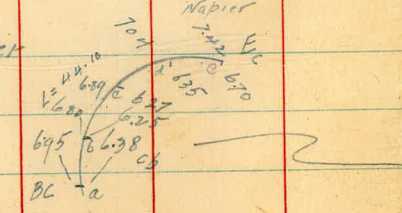
4+70 5 Line Napier	60.5 1.9 40	60.5 0.9 25	58.7 2.7 21	57.9 3.5 11	56.7 4.7 9	56.0 5.4	55.47 5.95 8	54.65 6.77 9	55.22 6.20 26
+ 61 25' H 433976 H Tel								2.9	

4+30 Napier			59.2 2.2 40	58.2 3.2 26	56.4 5.0	55.61 5.81 8	55.08 6.34 26	54.62 6.50 40
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4+04 28 H 24" P/L									
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3+90 N Line of Napier	58.3 3.1 40	58.5 2.9 38	57.1 4.3 21	56.2 5.2 10	55.7 5.7	55.16 6.26 8	54.62 6.80 9.26.7	55.16 6.26 26
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3+82.05 ±	55.04 6.38 9	54.47 6.25 9	55.17 6.25 9	54.62 6.25 9	55.10 6.27 9	54.53 6.89 9	55.07 6.35 9	54.36 7.04 9	54.72 6.70 9	54.00 7.42 9
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61.42

61.42

Frankfort

7+50

+ 12

Drive way 11.50p

T.P.

6.10

62.55

4.97

56.45

7+00

6+50

6+00

5+86

Drive corr 11.50p

61.42

59.6
3.0
40

58.4
4.2
24

57.5
5.1
11

58.9
5.7
9

56.6
6.0

56.49
6.06
8P
6.85
26

55.85
6.70
9

56.55
6.00
26

56.30
55.30
7.25
40

62.55

59.7
1.7
40

58.6
2.8
24

57.8
3.6
20

57.4
4.0
12

56.5
4.9
10

56.2
5.2

56.25
5.17
8P

55.59
5.84
9P

56.22
5.20
26

60.0
1.4
40

58.8
2.6
25

57.8
3.6
20

56.7
4.7
9

56.2
5.2

56.08
5.34
8P

55.54
5.88
9P

56.09
5.33
26

60.4
1.0
40

60.2
1.2
26

57.9
3.5
21

57.3
4.1
12

56.2
5.2
10

56.1
5.7

56.20-?
5.22
8P

55.36
6.06
9P

55.94
5.48
26

55.35
6.07
26
curb
in
907

55.94
5.48
31

55.99
5.43
35

55.20
6.22
40

61.42

Frankfort

10 + 0

9 + 50

+ 10 26 ft Driveway 9' up

9 + 00

8 + 90 26 ft Driveway 7' up

8 + 50

+ 16 27 ft 20-4" Fig

8 + 00

+ 78 27 ft 4" Fig

7 + 59 26 ft Driveway 11' wide

+ 58 27 ft 8" Fig

62.55

60.6
2.0
40

60.4
2.2
35

57.6
5.0

57.33
5.22
8
P

56.70
5.85
9
26

57.27
5.28
C

60.5
2.1
40

60.0
2.6
25

58.5
4.1
20

58.1
4.5
11

57.4
5.2

57.17
5.38
8
P

56.70
5.85
9
26

57.26
5.29
C

56.64
5.91

57.01
5.54
73

56.53
6.02
46

60.2
2.4
40

58.4
4.2
15

57.1
5.5

57.13
5.42
8
P

56.61
5.94
9
26

57.15
5.40
C

56.7
5.9
26
60.6
90.7

57.10
5.45
32

56.65
5.90
40

59.9
2.7
40

59.3
3.3
26

57.8
4.8
11

57.3
5.3

57.03
5.52
8
P

56.33
6.22
9
26

56.97
5.58
C

59.4
3.2
40

58.2
4.4
23

57.4
5.2
11

56.6
6.0
8

56.7
5.9

56.70
5.85
8
P

56.14
6.41
9.26

56.74
5.81
C

56.00
6.55
26

56.55
6.00
32

56.53
6.02
40

62.55

Frankfort

4

8

P

7

+04 21-2 Lt Fence bd. leg

T.P. 3.21. 61.01 4.75 57.80

nail on Pole

61.01

11 +00

58.5	58.5	57.0	57.10	56.45?	57.10
4.1	4.1	5.6	5.45	57.45	5.45
4.0	2.6		8	6.10	
			P	9	2.6
				?	

10 +50

59.1	59.0	57.3	57.20	56.63	57.20
3.5	3.6	5.3	5.35	5.92	5.35
4.0	2.6		8	9	
			P		2.6

+45 40 Lt Drive 9 wide

59.64
2.91
4.0

+29 26 Rt Driveway 8' op

56.71	57.35	57.29
5.84	5.20	5.26
2.6	3.3	4.0

10 +09 36 Rt Driveway 11' op

56.76	57.28	57.15
5.79	5.27	5.40
2.6	3.5	4.0

62.55

62.55

Frankfort

13 + 0

12 + 50

12 + 00 31.6 Lt 24" Euc

+ 92 26 Rt Driveway 11' op

+ 87 21.5 L 24" Euc

+ 59 22⁶ Lt Driveway 8' op

+ 50

+ 39 23 Lt end 4d Fence

11 + 29 26 Rt Driveway 11' op

61.01

57.5
3.5
40

56.3
4.7
22

56.5
4.5
13

56.0
5.1
12

56.1
4.8

56.29
4.72
8
P

55.72
5.29
9
26

56.35
4.66
c

57.4
3.6
40

57.5
3.5
28

56.3
4.7
13

56.3
4.7

56.51
4.50
8
P

56.97
5.14
9
26

56.51
4.50
c

58.2
2.8
40

56.6
4.4
15

56.4
4.6

56.71
4.30
8
P

56.13
4.38
26
P

56.71
4.30
c

56.29
4.72
26

56.67
4.34
32.6

56.21
4.80
40

57.11
3.90
32.6

57.51
3.50
26

58.21
2.80
40

58.0
3.0
40

57.1
3.9
22

56.9
4.1

56.94
4.07
8
P

56.29
4.72
9
P

56.93
4.08
c

56.50
4.51
26

56.82
4.19
32.5

56.51
4.50
40

61.01

Frankfort

14 + 99⁴ N Line Ashton

14 + 88¹ BC curb return

+ 50

+ 29 26' RA Driveway 8' ap

14 + 00

13 + 50

61 01

LX

58.9 2.1 40
58.4 2.6 26
57.2 3.8 31
56.2 4.8 18
55.7 5.3
55.50 5.31
8
P

58.9 2.1 40
58.6 2.4 27
57.2 3.8 25
56.9 4.1 19
56.2 4.8 18
55.7 5.3
55.51 5.50
8
P
54.91 6.10 9 26
55.56 5.45 C

59.7 1.3 40
59.2 1.8 26
57.6 3.4 25
56.8 4.2 21
56.2 4.8 18
55.9 5.1
55.69 5.32
8
P
55.22 5.79 9 26
55.77 5.24 C

55.31 5.70 26
56.00 5.01 33
56.05 4.96 40

61.2 0.2 40
60.8 0.2 27
58.8 2.2 26
57.2 3.8 22
56.4 4.6 16
56.0 5.0
55.90 5.11
8
P
55.36 5.65 9 26
55.94 5.07 C

59.6 1.4 40
59.1 1.9 29
57.0 4.0 24
56.3 4.7 15
56.2 4.8
56.07 4.94
8
P
55.51 5.50 9 26
56.14 4.87 C

61 01

9

Frankfort

+50

18+00

+95 40.5 Lt Drive way 6.5 wide

+75 26 Rt Driveway 8' op

17+50

17+00

16+53 26 Rt Driveway 7' op

62.90

64.0
+1.1 0.9 2.2 2.3 3.0 2.9 2.86 59.32 59.99
40 38 33 24 20 26 26 26

61.20 58.7 59.0 58.96 58.65 59.09
1.7 4.2 3.9 3.94 4.25 3.81
40 20 8 8 9 26

61.10
1.80
40

58.09 58.76 58.75
4.82 4.14 4.15
26 34 40

60.1 59.1 58.8 57.9 57.8 56.00 57.52 58.18
2.8 3.8 4.1 5.0 5.1 4.90 5.38 4.72
40 36 26 21 8 8 9 26

59.2 57.0 56.9 57.0 56.51 57.11
3.7 5.9 6.0 5.88 6.39 5.79
40 19 8 8 9 26

55.60 56.50 56.02
7.30 6.40 6.88
26 33 40

62.90

Frankfort

+ 55 26 Rt Driveway 9' w

61.63
7.06
26
63.72
4.97
36
64.16
4.53
40

19+50 36' Lt Driveway 7' wide

64.69
4.20
40
63.59
5.10
36
62.3
6.4
24
61.9
6.8
8
P
61.59
6.80
8
P
61.41
7.28
26
62.01
6.68
2

19+25

64.8
3.9
40
61.7
7.0
33
61.8
6.9
26
61.0
7.7
19
61.4
7.3
8
P
61.45
7.24
8
P
60.88
7.81
9
26
61.54
7.15
2

TP 7.70 68.69 1.91 60.99

68.69

19+0

65.00
+ 2.1
40
61.60
1.3
33
61.4
1.5
22
60.5
2.4
19
60.9
2.0
8
P
61.00
1.90
8
P
60.30
2.60
9
26
61.00
1.90
2

+ 68 26 Rt Driveway 7' w

59.70
3.20
26
60.88
2.02
35
60.95
1.95
40

62.90

62.90

Frankfort

+75

+49 36' Lt Driveway 8' wide

+25

+22 26 ft Driveway 8' opening

20 + 00 36 ft Driveway 7' wide

19+75

68-69

4

2

7

13

62.4
6.3
40

62.8
5.9
18

63.4
5.3

63.04
5.05
8
P

63.73
5.46
9
26

63.84
4.87
C

62.94
5.75
40

63.14
5.55
36
40C

63.33
5.4
21

62.8
5.9
17

63.3
5.4

63.42
5.27
8
P

62.96
5.73
9
26

63.56
5.17
C

64.0
4.7
40

63.5
5.2
21

62.9
5.8
17

63.1
5.6

63.10
5.59
8
P

62.81
5.88
9
26

63.79
5.40
C

62.86
5.83
26

64.47
4.22
34

65.09
3.60
40

64.56
4.13
40

64.54
4.17
36

63.8
4.9
31

63.6
5.1
23

62.9
5.8
17

62.8
5.9

62.79
5.90
8
P

62.31
6.38
9

61.94
5.75
C
26

65.3
3.4
40

63.7
5.5
32

62.9
5.8
22

62.5
6.2
18

62.3
6.4
8
68 69

62.29
6.30
8

61.88
6.81
9
26

62.54
6.15
C

Frankfort

22+50

+34 39.94 end of fence

21+88⁸⁵

S Line Gardina beg Picket fence 40.6' H

21+48⁸⁵

f Gardina

21+24

26' Driveway 9' up

21+08⁸⁵

N Line Gardina

68.69

14

61.6
7.1
40

61.7
7.0
11

63.3
5.4

64.37
4.32
8
P

63.75
4.94
9

64.41
4.27
C

26

fence
40.6

60.3
8.4
40

61.5
7.2
10

63.4
5.5

64.78
4.41
8
P

63.73
4.96
9

64.33
4.36
C

26

60.7
8.0
40

63.3
5.4

64.09
4.60
8
P

63.71
4.98
9

64.77
4.42
C

26

63.59
5.10
26

64.69
4.00
31

65.13
3.56
40

61.4
7.3
40

61.8
6.9
16

63.3
5.4

63.94
4.75
8
P

63.49
5.20
9

64.11
4.58
C

26

68.69

+30 38.3L Drive Ribon 2 2' wide 7 overall

64.68
4.95

23 + 0

63.4
6.2
4.0

63.5
6.1

63.9
5.7
6

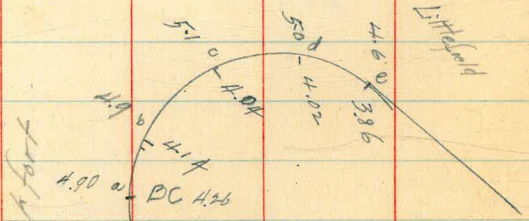
63.5
6.1
2.8

64.69
4.94
2.8

TR 5.53 69.63 4.59 64.10 64.12

BP NW Gardner

69.63



Freeport

	c6	Out
a	64.43	63.79
b	64.55	63.8
c	64.65	63.9
d	64.67	63.7
e	64.83	64.1

BC curb return 4 end of oil Pav

68.69

22 + 78 =

62.2
6.5
4.0

62.1
6.6
9

63.3
5.4

64.28
4.21
8
P

63.79
4.90
9
2.1

64.43
4.26
c

68.69

Frankfort

BM 5.53 64 10 64.12

24+56

+90 X sections
at Rt angles to Frankfort.

+67 17.54 P Pole c2530

29+55⁶⁸ of Littlefield along of

69.63

Lt

R

R

16

NW
BP. gardens

59.9
9.7
50

8.607
9

61.7
7.9
50

65.4
4.2
50

66.0
3.6

66.1
3.5
30

64.9
4.7
60

65.5
4.1
50

65.7
3.9
30

66.2
3.4

64.9
4.7
30

64.3
5.3
50

69.63

1 sec of Erie St. curb
 Milton to Littlefield To curb
 NO. 31510

1+60 EVC 194 Drive 10'

1+50

INDEXED
 JUN 11 1948

1+00

+62 93 BC curb at

+63
 0+54 BC on Rt.

0+0 Milton

BM
 SW.P.P
 MILTON
 and
 ERIC
 6.88 48.91 42.03

LT=L E P.W 17

45.22 44.51 43.71
 3.69 4.40 5.20 43.6
 30 25.4 19 5.3
 43.1 43.57
 5.8 5.94
 9 18 c

43.93 43.4
 4.98 5.5
 c 9
 18
 43.4
 5.5
 43.1 43.41
 5.8 5.50
 9 18 c

43.00 42.4
 5.91 6.50
 c 9
 18
 47.7
 6.2
 42.11 42.61
 6.80 6.30
 9 18 c

42.31 41.76
 6.60 7.15
 c 9
 18
 42.0
 6.9
 41.54 42.10
 7.37 6.81
 9 18 c

48.91

2+44 18 Lt Driveway 8'op

2+35

2+15 18 Lt Driveway 9'op

2+10

2+08 18 Rt Drive 8'op

1+85

48.91

L
46.57
23.4
30

45.06
385
C
19

46.30
2.61
30

44.7
no curb
A.7
9
18

44.47
444
C
18

43.9
5.0
9

44.0
4.9
48.91

46.77
3.14
25

44.38
4.53
18

44.5
4.4

43.84
5.07
19

43.5
5.4
9
18

44.74
4.7
18

44.7
4.2

44.0
4.9
9

44.30
4.61
24

44.54
4.37
C
18

44.11
4.80
30

44.08
4.91
6

3 + 29 18 ft DRIVE 8' up

3 + 10

2 + 96 18 ft Driveway 9' wide

2 + 85

2 + 67 18 ft Driveway 8' up

2 + 60

48.91

46.11
280
30
45.26
365
24
44.67
4.34
18

45.17
374
9
18
44.6
4.3
C

44.5
4.41

44.1
4.8
9
18
44.65
4.26
C

44.71
4.70
18
44.65
4.26
25
44.41
4.50
30

45.28
363
C
18
44.7
4.2
9

44.7
4.2

44.4
4.7
9
18
44.77
4.14
C

44.25
4.66
18
44.73
4.18
24
44.54
4.37
30

45.24
367
C
18
44.7
4.2
9

44.8
4.1

44.4
4.7
9
18
44.74
4.17
C

48.91

4+50

43.61	43.7	43.7	42.6	43.07
5.63	6.0	6.0	6.6	6.7
18	9		9	18

4+00

44.21	43.6	43.7	43.3	43.78
5.03	5.6	5.5	5.9	5.46
18	9		9	18

3+91 18 H Driveway 7'op

45.98	43.95
3.26	5.29
30	18

3+86 18 RT Driveway 8'op

43.58	44.00	43.83
5.66	5.24	5.41
18	24	30

TP 5.18 49.24 4.85 44.06

49.24

3+60 EVC

44.82	44.3	44.2	43.7	44.25
4.09	4.6	4.7	5.2	4.66
18	9		9	18

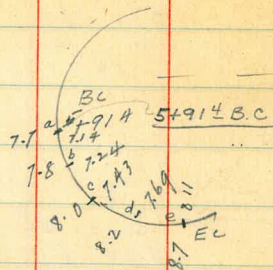
3+35

48.91

45.04	44.5	44.3	43.9	44.46
3.87	4.4	4.6	5.0	4.45
18	9		9	18

48.91

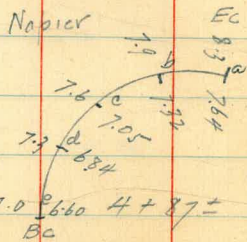
5+63' BC return



5+75' Napier of Rt Ls to Eric

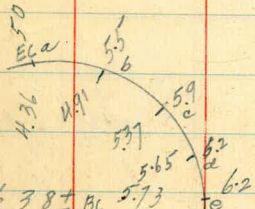
	Cb.	Gut.
a	41.9	42.39
b	42.59	42.1
c	42.87	42.3
d	43.34	42.7
e	43.77	43.0

	Cb.	Gut.
a	42.10	41.5
b	42.00	41.4
c	41.81	41.7
d	41.55	41.0
e	41.13	40.5



	Cb.	Gut.
a	41.30	40.9
b	41.97	41.3
c	42.19	41.6
d	42.40	41.9
e	42.64	42.7

4+87'



ERIC

4+638' BC

	Cb.	Gut.
a	44.88	44.7
b	44.33	43.7
c	43.87	43.3
d	43.59	43.0
e	43.51	43.0

49.24

BC on left
5+63'±

42.39	41.9	41.8	41.5
6.85	7.3	7.4	7.7
18	9		18

5+50

42.64	42.7	41.9	41.7
6.60	7.0	7.3	7.5
21	21		18

43.7

6.0	6.2	6.7	42.1	41.5
30	18		18	30

4+87'

43.0	42.6	41.9	42.40
6.2	6.6	7.3	6.84
18		9	18

4+638'±

43.51	43.0	43.1	42.4	42.94
5.73	6.2	6.1	6.8	6.30
18	9		9	18

49.24
118.91

Erie
6+70 18 Lt Driveway 7' op

6+50

6+46 18 Lt Driveway 7' op

6+00

5+70 20 Lt Hydrant

BM. 4.99 47.93 6.30 42.94 ^{walker} 43.04
10

BC on Mt.
5+91 4'

~~48.11~~

L
43.74 47.97
4.19 4.96
30 18

43.33 42.7
4.60 5.2
18 9
42.7 5.2
42.7 5.7 42.75
5.7 5.18
9 18 2

43.49 42.90 42.7
4.44 5.03 5.2
30 18 9

42.78 42.3
5.15 5.6
18 9
42.2 5.7
41.6 42.15
6.7 5.78
9 18 2

SE. 47.93
□ chsq NE. Nobier & Erie

42.61 42.1
6.63 7.1
18 9
42.1 7.1
49.24
~~48.91~~
42.5 42.10
7.7 7.14
9 2
18

8+00

7+76 18 Rt Driveway 9' op

7+68 18' Lt Driveway 8' op

7+50

7+15 18 Rt Driveway 9' op

7+00

47.93

44.65
3.08
C
9

44.3
3.6
9

44.7
3.2

43.5
4.1
9

44.10
3.53
C
18

43.63
4.30
18

44.10
3.83
24

43.94
3.99
30

45.08
2.85
30

44.77
3.16
23

44.18
3.75
18

44.41
3.52
C
18

43.5
4.1
9

4.0
43.9
4.0

43.1
4.7
9

43.77
4.16
C
18

42.96
4.97
18

43.30
4.63
23

43.71
4.72
30

43.84
4.09
C
18

43.3
4.6
9

43.2
4.7

42.7
5.2
9

43.25
4.68
C
18

47.93

ERIC

8 + 86 18 Lt Driveway 9' up

8 + 80 B.V.C

TP 5.63 50.71 2.85 45.08

8 + 50

8 + 37 18 Lt Driveway 9' up

8 + 24⁴⁵ BC 18 Lt Driveway 10' up

Δ 6° 07 R = 2500

47.93

L

R

24

46.95
3.76
30

45.36
5.35
18

45.68
5.03
18

45.2
5.5
9

45.3
5.4

44.8
5.9
18

46.20
5.51
c

50.71

45.37
2.56
18

44.9
3.0
9

45.1
2.8

44.53
3.40
9

44.95
3.98
18

44.50
3.43
18

44.90
3.03
27

44.84
3.09
30

45.90
2.03
30

45.39
2.54
23

44.79
3.14
18

44.8
3.1

44.7
3.7
9

44.7
3.22
c

47.93

9.55

46.37
434
c45.9
48
945.8
4.945.44
5.27
9none
c

18

9+5³

20' Lt Hydrant

9+35

18 Lt

Driveway 10' up

47.69
3.02
3045.76
4.93
18

9+30

46.16
45.5
c45.6
5.1
945.6
5.145.4
45.71
5.5
95.00
c

18

9+05

45.97
47.4
c45.5
5.2
945.5
5.245.1
45.50
5.6
95.21
c

18

8+93

18 A

Driveway 10' up

50.7144.98
5.73
1845.43
5.28
2845.40
5.31
3050.71

10+30

10+24 18 Rt Driveway 8' op

10+05

10+02 18 Lt Driveway 13' op

9+80

9+57 18' Rt Driveway 10' op

50.71

46.68
4.03 4.5
9 18 c

none
c 46.71
4.50
18 9

47.69
3.02 46.75
30 14.46
18

46.50 46.0
4.21 4.7
c 9
18

45.43
5.28
18
50.71

46.1
4.6

46.1
4.6

46.25
14.46
18

45.9
4.8

45.81
4.90
18

45.7 46.16
5.0 4.55
9 18 c

45.7 46.09
5.0 4.62
9 18 c

45.5 46.0
5.2 4.69
9 18 c

45.71 45.66
5.00 5.05
28 30

11.05

10+91³⁴ EC

10+81 18 Lt Driveway 8' op

10+80

10+68 18 Lt Driveway 9' op

10+55

10+48 18 R Drive 9' op

50.71

L

46.66
4.05
c 18
46.7
4.5
946.96
2.15
30none
c 18
46.28
4.43
946.91
2.20
3046.71
4.00
c 18
46.7
4.5
946.1
4.646.78
4.43
1846.7
4.546.27
4.44
1846.1
4.645.6
5.1
9
46.08
4.63
245.7
5.0
9
46.15
4.56
c45.7
5.0
9
46.18
4.53
c45.77
4.94
1846.17
4.54
2846.05
4.66
30

50.71

R

27

Erie

12+00

11+84 18 Lt Driveway 10' 4"

11+70 18R Driveway 10' 6"

ont
TP _{11.2hr} 3.83 49.69 4.85 45.86

11+50

11+25 EVC

11+10 78R Driveway 9' 0"

50.71

RF 28

46.17 45.8
3.52 3.9
c 18 9

47.56
3.13
30

3 45.92
3.77
18

45.6
4.1

45.39
4.30
18

45.1 45.59
4.6 4.10
9 c
18

44.81
4.88
38

45.67
4.02
30

49.69

46.45 46.0
4.26 4.7
c 18 9

45.9
4.8

45.5 45.91
5.2 4.80
9 c

46.56 46.1
4.15 4.6
c 18 9

46.0
4.7

45.5 46.07
5.2 4.69
9 18 c

45.67
5.04
18

46.14
4.57
38

45.99
4.72
30

50.71

+ 63 18 Lt Driveway 8' op

45.70
3.99
30

44.85
4.84
18

+ 51 18 R Driveway 9' op

~~44.44~~
5.27
18

44.98
4.71
28.5

44.87
4.82
30

13 + 50

45.33
4.36
C
18

44.8
4.9
9

44.7
5.0

44.39
5.30
9

none
C

13 + 50

13 + 00

45.53
4.16
C
18

45.1
4.6
9

45.0
4.7

44.6
5.1
9
18

45.08
4.61
C

12 + 90 18 R Driveway 9' op

44.76
4.93
18

45.04
4.65
22.5

44.87
4.82
30

12 + 50

45.81
3.88
C
18

45.4
4.3
9

45.2
4.5

44.8
4.9
9
18

45.33
4.36
C

12 + 30 18 R1

Driveway 8'

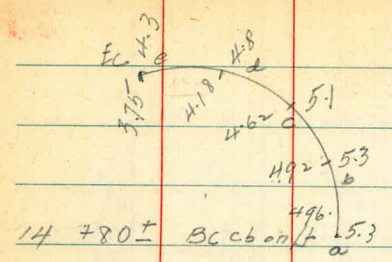
44.97
4.72
18

45.55
4.14
28

45.35
4.34
30

49.69

49.69



Ashton

Errie

14+780 ± BC cb on Rt

14+66 ± BC curb on Rt

14+50

14+33 18 Lt Driveway 9 up

14+00

49.69

44.73	44.4	44.77	44.4	45.07	44.6	45.51	44.9	45.94	45.4
4.96	5.3	4.92	5.3	4.62	5.1	4.18	4.8	3.75	4.3
c	a	c	b	c	c	c	d	c	e

44.73	44.4	44.3	43.8	44.16
4.96	5.3	5.4	5.9	5.53
c	18	9	9	20.8

43.8	44.23	43.8	44.2	43.6	44.15	43.3	43.86	43.1	43.59
5.9	5.46	5.9	5.50	6.1	5.54	6.4	5.83	6.6	6.10
9	c	9	c	9	c	9	c	9	c

44.77	44.5	44.4	43.8	44.23
4.92	5.2	5.3	5.9	5.46
c	18	9	18	c

44.93	44.5	44.5	43.8	44.26
4.86	5.2	5.2	5.9	5.43
c	18	9	18	c

45.80	45.70	44.63
3.89	3.90	5.06
30	28	18

45.13	44.7	44.6	44.1	44.56
4.56	5.0	5.1	5.6	5.13
c	18	9	18	c

49.69

15+84 ^{curb} BC on Lt
44.48 5.21 5.8 43.9

44.45
45.24 5.8-43.9
44.78
45.30 44.78
45.75 43.94
43.94
45.1
4.6

43.6 61 5.60-44.09
BC curb
15+62 ±
43.5 6.2 5.71 43.98
5.89-43.80
43.4 63 6.02 43.67
43.1 6.6 6.2 43.45
42.8 6.9

15+65 2± BC curb ret on R

Ashton

15+35

15+2699 \triangle Ashton 4° 31 Lt in line with Ashton

15+06

TP 2.60 50.97 1-32 48-37
49.69

45.76 45.2
5.21 5.8
c 18 9
45.4 5.6
45.0 6.0
45.55 5.42
9 18 2

45.92 45.4
5.05 5.6
c 26 9
45.0 6.0
44.9 6.1
45.37 5.60
9 18 c

45.9 45.1
5.1 5.9
30 30
44.4 6.6
30

45.9 45.1
5.1 5.9
30 30
44.4 6.6
30

44.8 44.4
6.2 6.6
25 25
43.9 7.1
25

Hyd Ashton Eric 50.97
49.69

Eric

17+09 18 R Driveway 10 96

17+0

16+52 18 H Driveway 13 96

16 +50

+49 18 R Driveway 10 96

16+0

15+88 20 Lt Hydrant

50.97

46.35	46.84	46.90	32
4.62	4.13	4.17	
18	28.5	30	

47.14	46.9	46.8	46.3	46.69
3.83	4.2	4.2	4.7	4.28
C	18	9	9	18

47.27	46.91	46.71
3.70	3.98	4.76
30	26	18

46.71	46.1	45.72
None	4.9	5.25
C	9	9

45.72	47.00
5.25	3.97
18	30

45.93	45.4	45.6	45.3	45.69
5.04	5.6	5.4	5.7	5.28
C	18	9	9	18

50.97

ERIC
TP 10.40 59.28 2.09 48.88
18 + 33 18 Lt Driveway 9' up

18 + 30

18 + 05 18 Lt Drive 10' up

17 + 80 BVC

17 + 50

17 + 48 18 Lt Driveway 8' up

50.97

33

59.28 48.40
2.57 48.93
18 2.04 2.00
18 24 30

48.43
none 2.54 48.16
c 9 2.4 47.7 48.17
18 9 18 c

48.65 48.43 48.05
2.32 2.54 2.92 48.1
30 20.5 18 2.9 47.4 47.77
9 3.6 3.20
c

48.02 47.6
2.95 3.4 47.7
c 18 9 3.3 47.0 47.44
9 18 3.53
c

47.39
none 3.58 47.4
c 18 9 3.6 46.7 47.17
9 18 3.85
c

47.88 47.35
3.09 3.62
30 18

50.97

+ 60 18 W Driveway 8 op.

17 + 55

19 + 30

19 + 22 97 BC.

19 + 05

18 + 80 EVG

18 + 55

59.28

53.89
5.39
30

53.76
5.52
26.5

55.92
3.36
18

52.10
7.18
c

51.6
7.7
9

51.8
7.5

51.1
8.2
9

51.50
7.28
c

51.30
7.98
c

50.8
8.5
9

50.9
8.4

50.3
9.0
9

50.75
8.53
c

50.52
8.76
c

50.0
9.3
9

50.1
7.2

49.5
9.8
9

49.95
9.33
c

49.91
9.37
c

49.4
9.9
9

49.5
9.8

48.8
10.5
9

49.78
10.00
c

49.39
9.89
c

49.1
10.2
9

49.0
10.3

48.2
11.1
9

48.70
10.58
c

59.28
1

T.P. 956 67.24 1.60 57.68

21 + 00

57.63
1.65 2.2
18 9

67.24

57.0
2.3

56.3 56.84
3.0 2.44
9 18 C

20 + 50

55.68
3.60 4.0
18 9

55.3
4.0

54.6
4.7 none
9 18 C

20 + 47 19 Rt Driveway 12' 0"

54.47
4.86
18

55.10
4.18
25

55.89
3.39
30

+ 21 18 Lt Driveway 10' 00

56.75
2.53 3.03
30 27

54.21
5.07
18

20 + 10

53.79
5.49 6.1
18 9

53.3
6.0

52.7 53.17
6.6 6.11
9 18 C

19 + 80 EVC

59.28

57.93
6.35 6.8
18 9

57.5
6.8
59 28

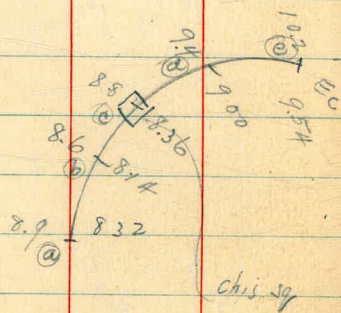
51.9 52.41
7.4 6.87
9 18 C

22 + 11 91 d Littlefield + in line of Littlefield
dirt driveway
4.6
5.9
5.9
5.74
6.3
BC curb ref 6.18
21 + 76 ± 6.64
7.2

Littlefield

21 + 76 25 EC.

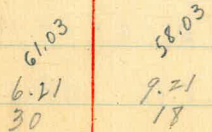
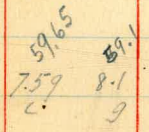
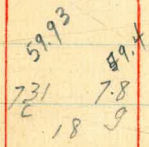
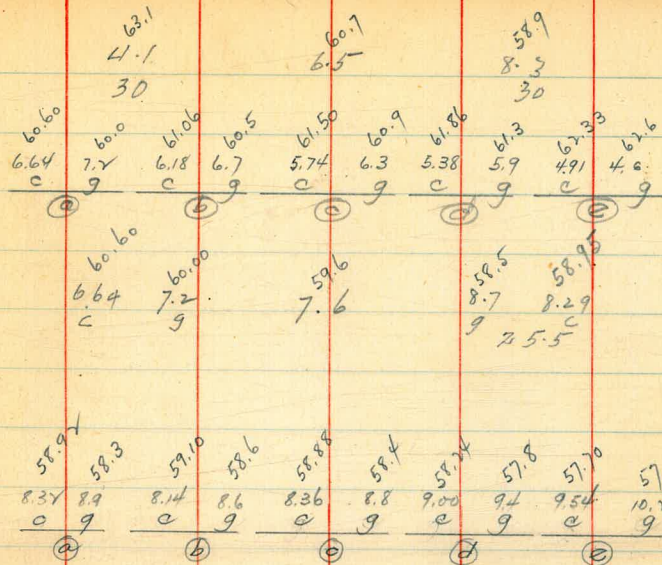
21 + 57 ± BC curb RT



21 + 50

21 + 21 18 Lt Driveway

67.24



67.24

		6.92	64.04	64.10 _{.06}	
TP	3.82	70.96	0.10	67.14	
set BM		67.24	8.36	58.88	set chris □ center of Return NW

67.24

W Lilliefied & Erie

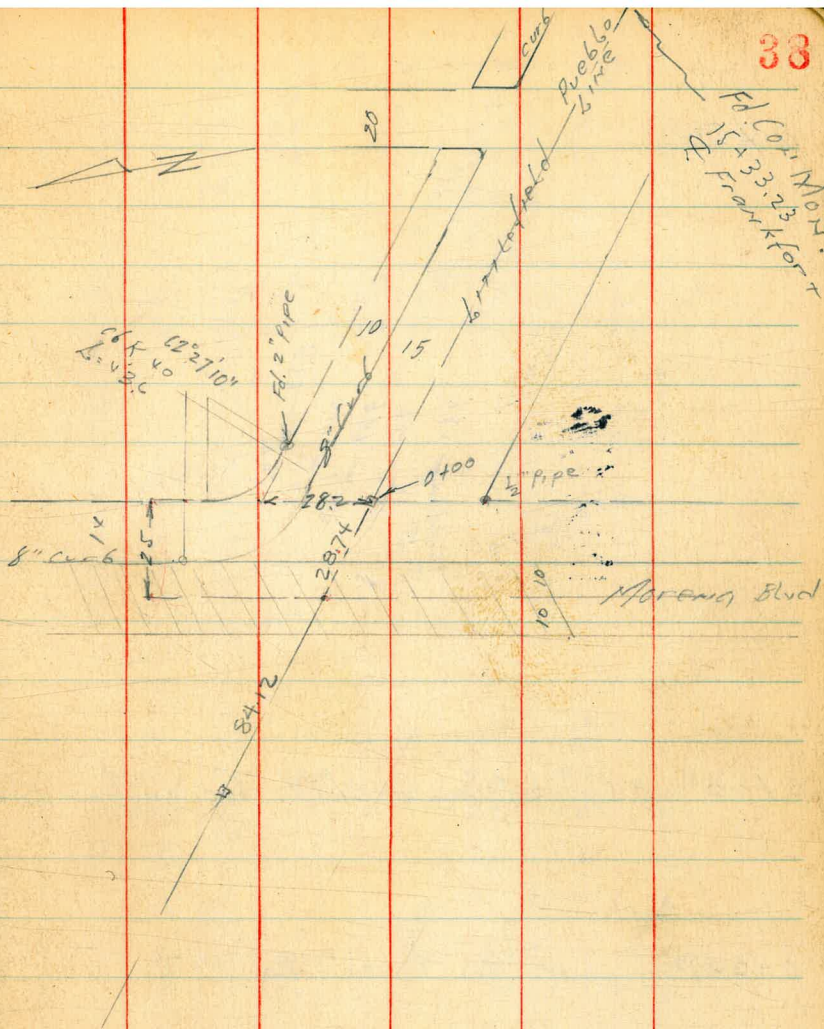
67.24

1 sec Littlefield ST.
Morena Blvd to Frankfort

W 0 31510

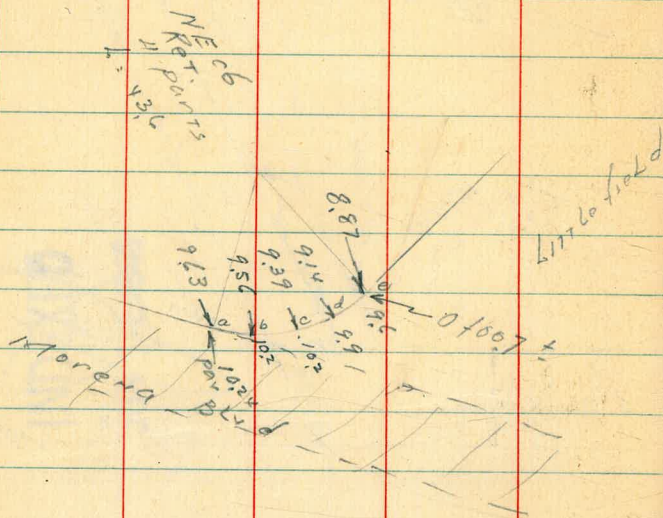
INDEXED

JUN 11 1948



1 sec Littlefield St
 Morona Blvd to Frankfurt

0+50



0+100 Ely Morona Blvd Sec on Line Blvd

0-282 Sec on 20' Pav

+P 9.24 23.98 3.10 14.74

BM chisel
 5.91 17.84 11.93
 Top RR.
 Blk Sig. Base
 150' wly from
 Littlefield and Morona
 F.B. 1839

170	16.86	16.7	16.5	16.2	15.8
7.0	7.12	7.8	7.5	7.8	8.2
25	15	15	25	25	35
	66				

14.35	13.74	14.4	13.8	14.59	13.8	14.84	14.1	15.11	14.4
9.63	10.24	9.56	10.2	9.39	10.2	9.14	9.9	8.87	9.6
c	9	c	9	c	9	c	9	c	9
	a	b	c	d	e	f	g	h	i

0+24

F.H.
17.7

160	14.87	14.1	14.3	14.6	14.9	14.6
8.0	9.11	9.9	9.7	9.4	9.1	9.4
28.2	19	19	20	28	40	
dirt	cb					

13.44	13.77	13.97	14.22	14.38
10.50	10.20	10.01	9.76	9.50
100	50	50	50	100

23.98

1785 E 2.5' Con. walk

21.25
2.73
22.3

1750

20.3	20.25	19.3	19.8	20.0
3.7	3.73	4.7	4.2	4.0
25	15	15		25
	06			

1739.65

19.91
4.07
15
06. Per.

1735.65 18.5 R P.P. 39x9

20.03
3.95
25
06. end

1714.45

18.95
5.03
15
06. Per.

1710.4

19.08
4.90
25
06. end

1700

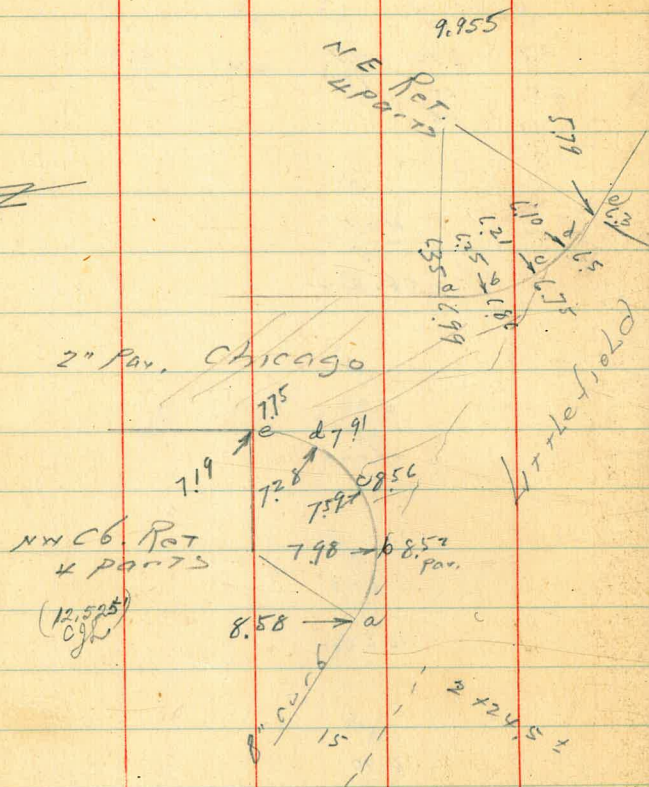
18.6	18.55	17.7	18.1	17.7	17.5
5.4	5.43	6.3	5.9	6.3	6.5
25	15	15		25	25
	06				

23.98

23.98

Littlefield

2 + 24.5 ±



T.P 8.20 31.38 0.80 23.18

2 + 00

23.98

23.0	22.80	22.1	22.3	22.5
8.4	8.58	9.3	9.1	8.9
25	15	15		25
	06			
	05			

25.02	24.39	25.13	24.57	25.17	24.63	25.24	24.9	25.59	6.3
6.35	6.19	6.25	6.86	6.21	6.75	6.10	6.5	5.79	6.3
0	9	0	9	0	9	0	9	0	9

22.80	13.40	22.86	23.71	22.82	24.10	23.47	24.19	23.63
8.58	7.98	8.54	7.59	8.56	7.28	7.91	7.19	7.75
0	9	0	9	0	9	0	9	0

31.38

22.4	21.98	21.1	21.5	21.7
1.6	2.00	2.9	2.5	2.3
25	15	15		25
	06			

23.98

Lincolnfield

3+658 Ely Goldfield to Pt.

3+40.8 E Goldfield to Pt.

NAIL
Ser. BM
P.P. 8901
5.51 25.87
S.W. Cor
Goldfield
and
Chicago

3+24 t curb end on Lt.

3+21 17.5 Pt P.P. 8901

3+15.8 W.L. Goldfield to So.
END WIRE FENCE

2+190 E Chicago to N.

2+178.8 E 16' Cor. do. Level

2+50

31.38

27.4	27.2	26.8	26.5	26.0	26.6	26.6	42
4.0	4.2	4.6	4.9	5.4	4.8	4.8	7.2
25	16	15		10	12	25	125

26.6	26.7	25.7	25.6	25.3	25.6	25.3	23.4
4.8	5.2	5.7	5.8	6.1	5.8	6.1	8.0
25	15	14		10	13	25	125

26.1	25.59	25.1	25.0	24.9	25.3		
5.3	5.79	6.3	6.4	6.5	6.1		
25	15	15		10	25		

end curb

24.7	24.6	25.1	25.4	23.6
6.7	6.8	6.3	6.0	7.8
	10	12	25	125

24.46	24.43	24.0	24.0	24.7	24.8		
6.92	6.95	7.4	7.4	6.7	6.6		
25	16		10	10	25		

Req. Wire fence

23.94
7.44
25

23.33	23.3	23.0	23.1
8.05	8.1	8.4	8.3
25	16		25

31.38

5

4775

NAIL
T.P. P.P. 10.30 40.18 1.50 29.88 ✓
UP 4050

4750 = W.L. Con drive 10' wide on Rt

4727 17.4 Lt P.P. #P 4050

3791 E.L. Con drive

3772.1 W.L. Con drive

37688 16.8 Rt F.H.

31.38

4

2

R

43

31.0	30.8	30.3	30.7	30.4
<u>9.2</u>	<u>9.4</u>	<u>9.9</u>	<u>9.5</u>	<u>9.6</u>
25		12	13	25

30.3	30.1	30.0	29.6	29.9	29.6
<u>9.9</u>	<u>10.1</u>	<u>10.2</u>	<u>10.5</u>	<u>10.3</u>	<u>10.0</u>
25	14		12	13	25

4018

29.8	29.6	29.4	29.3	29.0	29.4	29.15
<u>1.6</u>	<u>1.0</u>	<u>2.0</u>	<u>2.1</u>	<u>2.4</u>	<u>2.0</u>	<u>2.23</u>
25	15	13		11	14	25 Con drive

28.22	27.6	27.5	27.2	27.0	27.4
<u>3.10</u>	<u>3.8</u>	<u>3.9</u>	<u>4.2</u>	<u>3.4</u>	<u>3.0</u>
25	14		11	13	25

27.6
<u>3.72</u>
25

F.H.
16.8

31.38

MOORE
BEGG
SHERMAN
BRUCH

Littlefield

6-8-48

5180 I Goldfield to N

5150

35.04	34.50	35.05	34.54	35.33	34.9	35.69	35.3	36.13	36.1
5.14	5.68	5.13	5.64	4.85	5.3	4.49	4.9	4.05	4.1
0	9	0	9	0	9	0	9	0	9

32.97	33.43	32.98	33.84	33.38	34.18	33.68	34.15	33.68
7.21	6.75	7.20	6.34	6.80	6.00	6.50	6.03	6.50
0	9	0	9	0	9	0	9	0

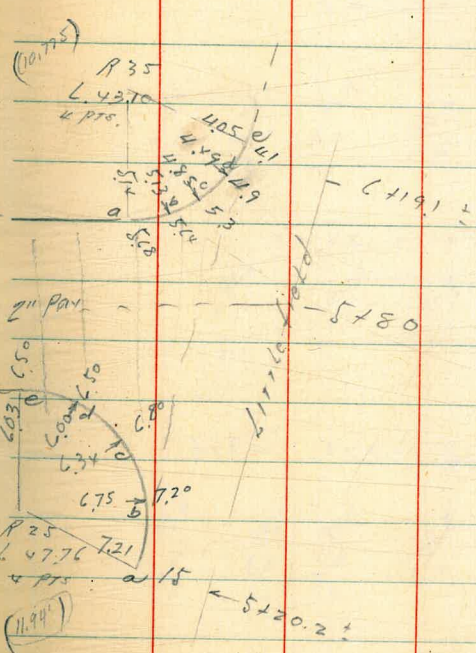
5120.2: Beg. 8" cb Ret on Lt.

40.18

44

34.68	34.7	34.5	34.3	34.8	34.9
5.50	5.5	5.7	5.9	5.6	5.3
25	16	17	12	13	25

33.9	33.9	33.3	33.0	33.6	33.7
6.3	6.3	6.9	7.2	6.6	6.5
25	16	19	11	12	25



32.8	32.97	32.3	31.8	32.4	31.8	32.0
7.4	7.21	7.9	8.4	8.8	8.4	8.2
25	15	15	8	11	13	25

40.18

8+21.5 E do. Con. Rib. do.

8+00

+92 end fence 24.7 Lt

+77 3" tree 17.7 Lt.

+55 3" tree 17.5 Lt.

+50

7+29 Beg. Picket fence 24 Lt.

7

T.P. 11.46 51.21 0.43 39.75

6+50

6+191

40.18

25

8

7

45

45.17
6.0x
17

44.6
6.6
25

44.6
6.6
15

44.2
7.0
14

44.1
7.1
11

44.1
7.1
11

44.6
6.6
14

44.2
7.0
25

43.1
8.1
25

43.1
8.1
17

42.7
8.5
14

42.6
8.6
8

42.2
9.0
12

42.6
8.6
14

42.6
8.1
25

41.6
9.6
25

41.2
10.0
14

40.9
10.3
11

40.8
10.4
12

41.5
9.7
14

41.0
10.2
25

51.21

39.4
0.8
25

39.4
0.8
14

38.4
1.8
12

38.5
1.7
11

38.5
1.7
11

39.2
1.0
13

39.0
1.2
25

37.9
2.3
25

36.9
4.3
18

36.3
4.05
15

36.1
4.1
15

36.4
3.8
11

36.4
3.8
11

37.2
3.0
13

37.2
3.0
25

40.18

8+60 25' Pt end wire fence

8+45.2+ c6 B.C.

8+26.5' Beg. 8" curb on Lt.

46.77	46.28	47.06	46.68	47.46	47.06	47.93	47.4	48.51
4.44	4.93	4.15	4.83	3.75	4.15	3.28	3.8	2.70
c	g	c	g	c	g	c	g	c
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)

45.21	45.41	45.2	45.68	45.2	45.72	45.2	45.5	45.07
6.00	5.80	6.0	5.53	6.0	5.94	6.0	5.70	6.14
c	g	c	g	c	g	c	g	c
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)

Transposed
5.49
45.72

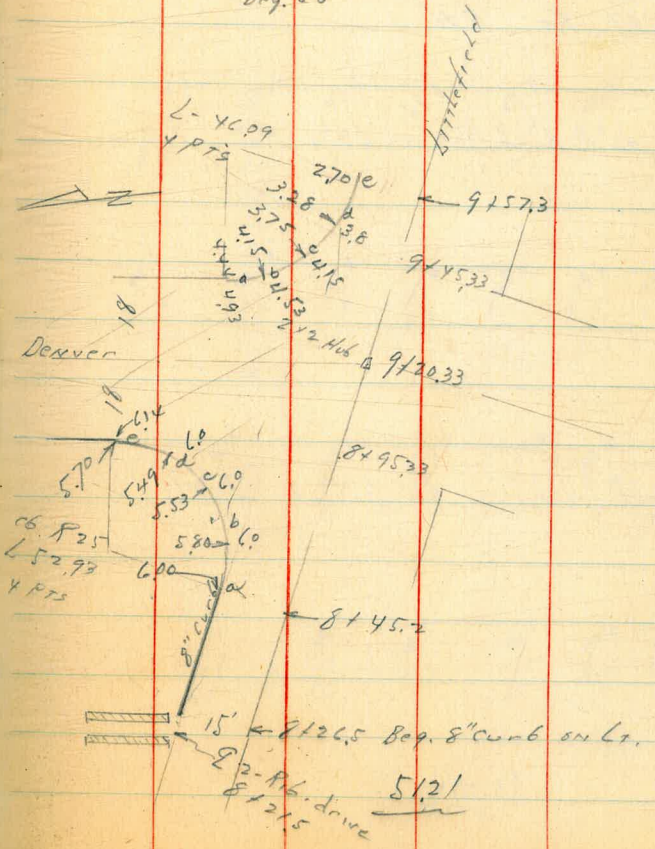
5121

check
P 51

45.6	45.49	45.2	45.7	45.9	46.8	47.3
5.1	5.72	6.0	5.5	5.3	4.6	3.9
25	19.7	19.7	10	12	25	
	c6					

45.5	45.2	45.0	45.3	45.4	46.3	46.5
5.7	6.00	5.2	5.9	5.8	4.9	4.7
25	15	15	11	13	25	
	c6					

45.2	46.98	44.8	44.8	45.8	45.5
6.0	6.23	6.4	6.4	5.4	5.7
25	15	11	13	25	
	Beg. c6				



10/00

9+97 23.4 LT end fence 20.7 2" tree

9+71 23.2 LT Beg Ricker fence

Fd. N. E. B. P. on curb
Littlefield and
Denver

447 46.74 P 80

9+59 17 Rt FH

9+57.3 t end 8" cb. Ret. on LT.

9+45.33

9+20.33 I Denver to South + N.

8+95.33

51.21

LT

R

BT

47

50.4	50.0	49.6	49.4	50.1	49.4
0.8	1.2	1.6	1.8	1.1	1.8
25	15		9	11	25

49.1	48.51	47.9	48.3	48.3	48.7	48.9
2.1	2.70	3.3	2.9	2.9	2.5	2.3
25	15	15		9	11	25
	cb					

46.5	47.89	47.4	47.9	48.0	48.6	48.7	47.7
2.7	3.22	3.8	3.3	3.2	2.6	2.5	3.5
25	15.5	15		10	12	25	12.5
	cb						

46.7	47.1	47.1	47.2	48.3	48.0	47.9
4.5	4.1	4.1	4.0	2.9	3.2	3.2
25	15	4.1	9	11	25	12.5

46.1	46.3	46.5	46.7	47.6	47.7	48.1	47.4
5.1	5.9	5.7	5.5	5.6	5.5	5.1	4.0
25	16		8	11	25	7.5	12.5

51.21

(Ret. Levels on Erie 1 sec.)

11753 Reg. 66 Ret. W Side Erie

118.5 25 Lt end Bd. fence

11725

189.4 E.L. Con. drive + Beg. Bd. fence
25' Lt.

171.5 End Bd. fence + W.L. Con. drive

10750

T.P. 11.15 62.16 0.70 50.51

122.9 25 Lt Beg. Bd. fence

10713.8 f of 8' Con. drive 24.9 Lt

51.21

57.9	57.82	57.3	57.3	57.3	57.7	57.2
4.3	4.34	4.9	4.9	4.9	4.5	5.0
25	15	15	10	10	12	25
	8.6					

55.6	55.1	55.2	54.9	55.2	54.6
6.6	7.1	7.0	7.3	7.0	7.6
25	15	10	10	13	25

53.96	53.55	53.21	53.2	53.0	52.7	52.3
8.20	8.41	8.95	9.0	9.2	9.5	9.9
35	25	16.5	10	10	10	25
	drive	Con. drive				

53.96	53.55	52.90	52.4	52.2	51.9	52.1	51.8
8.20	8.41	9.26	9.8	10.0	10.3	10.1	10.2
35	25	16.4	10	10	10	16	25
	Con. drive						

51.5	51.6	51.4	51.1	51.5	50.7
10.7	10.7	10.8	11.1	10.7	11.5
25	15	10	10	12	25

62.16

51.04
0.19
24.9

51.21

+71 E Con² wide
apron + Gar. on Lt

+493 ± cb E.C. on Lt

12135.3

1211033 E ERIC

1118533

T.P. 11.29 70.29 3/6 59.00

check to BM on 38
NW Littlefield
and ERIC

p. 37
58.88
Bogg
Robt.

62.16

67.97
2.32 2.51 2.3 3.0 4.0 4.1 4.2
35 31 25 18 15 25
gar. apron

65.7 64.5 62.47 62.8 63.6 63.9 64.6 65.1
4.6 5.8 7.82 7.5 5.8 4.4 5.7 5.2
25 22 15 15 13 22 25

62.7 61.79 61.4 62.6 63.0 63.4 59.6
7.6 8.50 8.9 7.7 7.3 6.9 10.7
25 18 18 22 25 125

60.4 60.5 60.4 61.1 60.8 58.5
9.9 9.8 9.5 9.2 9.5 11.8
25 16 25 125

59.3 59.4 59.3 59.2 59.6 59.8 57.6
11.0 10.9 11.0 11.1 10.7 10.5 12.7
25 16 11 13 25 125

70.29

62.16

+25

^{64.1} 9.1	^{64.3} 9.0	^{64.3} 9.0	^{68.7} 9.6
2.5		1.5	2.5

14

^{66.4} 5.9	^{65.9} 7.4	^{65.5} 7.8	^{65.3} 8.0	^{65.6} 7.7	^{65.5} 7.8
2.5	1.3	1.1		1.8	2.5

+75

^{69.4} 3.9	^{69.0} 5.4	^{68.9} 6.4	^{68.7} 6.5	^{68.7} 6.6	^{69.7} 5.6
2.5	1.3	1.1	1.5	1.8	2.5

+61 15 LT TEL P. 46 9000 H

+50

^{71.9} 1.4	^{71.7} 1.6	^{68.3} 5.0	^{68.9} 5.4	^{68.4} 5.9	^{68.5} 4.8
2.5	1.8	9	1.4	1.8	2.5

+25

^{72.0} 1.3	^{71.5} 1.8	^{68.1} 5.2	^{68.6} 4.7	^{68.8} 5.5	^{68.5} 4.5
2.5	1.6	9		1.9	2.5

T.P. 5.43 73.27 2.45 67.84

73.27

13400

^{70.9} +0.6	^{70.9} +0.6	^{68.9} 1.4	^{68.3} 2.0	^{67.6} 2.7
2.5	1.8	1.0		2.5

70.29

70.29

Check NW Return
Littlefield and Denver
see P. 46

NE. BP
Littlefield
Denver 5.20 5.94 v. 6.74 P. 47

Check to NWBP
Frankfort +
Gardens 9.14 6.13 P. 37
6.10
0.03

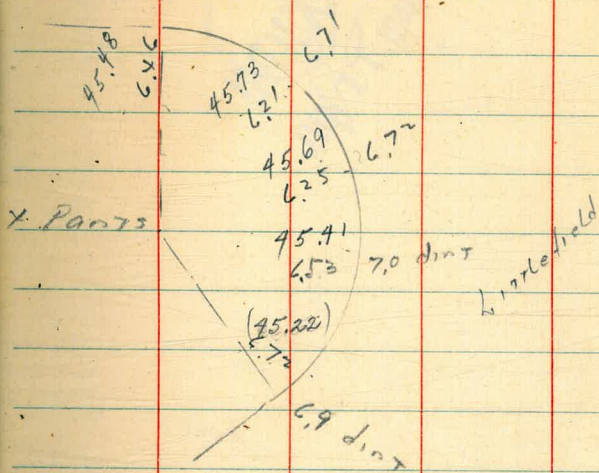
14 + 88.15 WL Frankfort

See other Book for NW. Ret.
on Frankfort

14 + 47: 6 BC on LT, Tel. 176, 16449⁰⁰⁷

73.27

Denver 86



6.12 = Walker
0.01

64.1	64.1	64.3	64.6	64.7
9.2	9.2	9.0	8.7	8.6
25	15	90	14	35

64.3	64.92	64.1	63.9	63.8	63.1
9.0	8.35	9.2	9.4	9.5	10.2
25	15	15	10	10	25

73.27

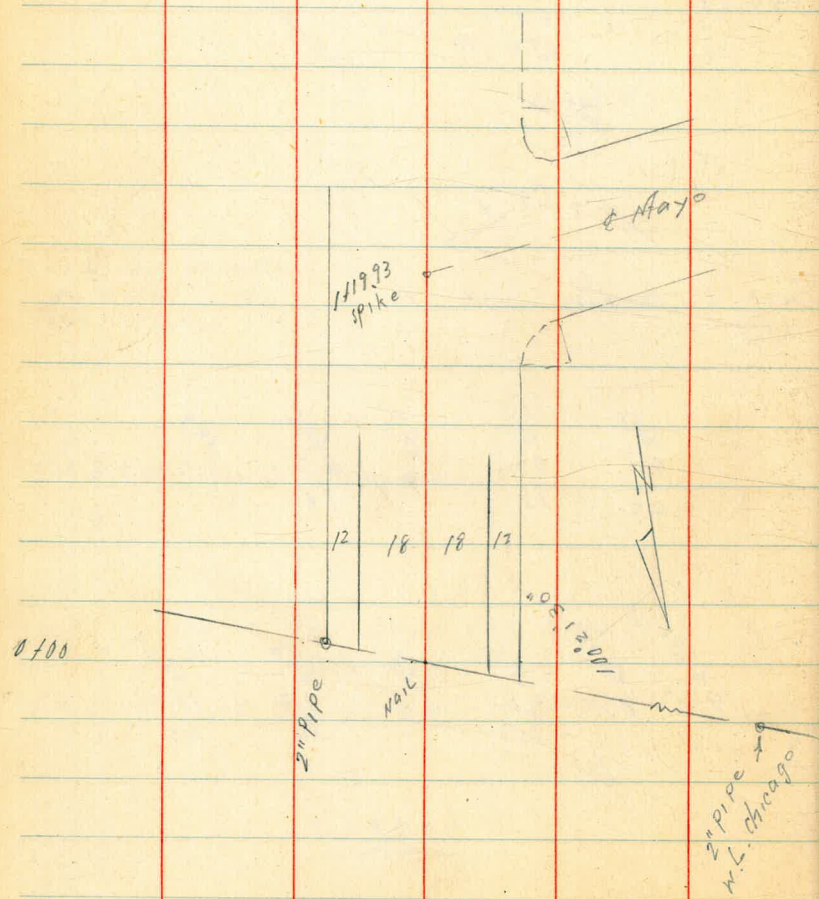
Xsec Denver St curb to curb

S.L. Hercher St to Litzfeld

V10. 3/510

Moore
Bc99 X
Sherman
Bunch
6-9-48.

~~INDEXED~~
JUN 11 1948



Denver St

0 + 92 E 8' Con do, thru cb

0 + 66.7 of BC on Pt

+ 50

+ 25 E 8' Con do, thru cb.

+ 19 E 13' Con do, thru cb

0 + 00 Line sec Beg ^{1/2} Pav.

T.P. 514 37.35 1.52 32.21

B.M. Chisel □ 7.30 33.73 26.43
E SE Return
Napier and
Goldfield.

33.93 67

33.59

Pt

53

342

470

30

18

7

33.07

32.5

4.28

4.8

18

18

cb

32.70

4.5

32.1

5.2

18

32.64

4.7

18

33.15

32.6

4.20

4.7

18

18

cb

32.7

4.6

32.1

5.2

18

32.61

4.74

18

32.24

5.11

18

97

32.60

4.75

23.5

30

32.35

5.00

30

34.30

33.8

3.05

4.50

30

18

97

33.33

32.8

4.02

4.5

183

18.3

Beg. cb

97

32.9

4.5

32.2

5.1

18.3

32.83

5.52

18.3

37.35

2

1761.9 6 BC P

1719.93 Q Mayo

1700

37.35

L

Q

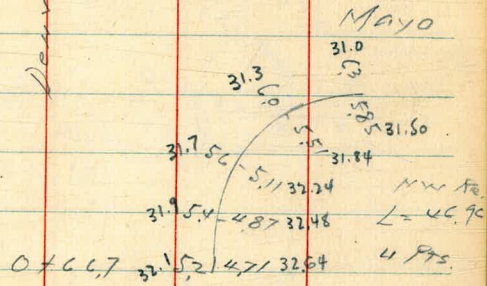
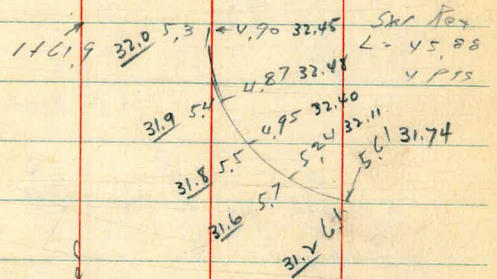
P

54

32.83	32.25	32.4	31.8	32.29
4.5	5.1	4.9	5.5	5.0
18	18		18	18
06	9			06

32.91	32.3	32.5	32.0	32.45
4.4	5.0	4.8	5.3	4.9
18	18		18	18

33.04	31.5	32.6	32.2	31.9
4.3	4.8	4.7	5.1	5.0
18	18		18	30
06	9			



33.08	32.5	32.6	32.1	31.8
4.7	4.8	4.7	5.2	5.5
18	18		18	30
06	9		P	P

37.35

2 + 50

2 + 44.9 c6 BC on R

33.75		33.36		33.10		33.05		33.01	
3.60	4.3	3.97	4.5	4.25	4.7	4.30	4.7	4.33	4.7
c	g	c	g	c	g	c	g	c	g

S.E. Ret.

33.93		33.56		33.15		32.86		32.74	
3.42	3.9	3.79	4.4	4.20	4.7	4.49	4.9	4.61	5.0
c	g	c	g	c	g	c	g	c	g

N.E. Ret

32.50		32.44		32.31		32.10		31.79	
5.3	4.85	5.4	4.91	5.6	5.04	5.9	5.25	6.2	5.56
g	c	g	c	g	c	g	c	g	c

S.W. Ret

32.20		31.13		32.11		31.44		31.99		31.81
5.6	5.15	5.8	5.22	5.9	5.24	5.93	5.36	6.2	5.54	
g	c	g	c	g	c	g	c	g	c	

N.W. Ret

2 + 26.9 c6 BC on L

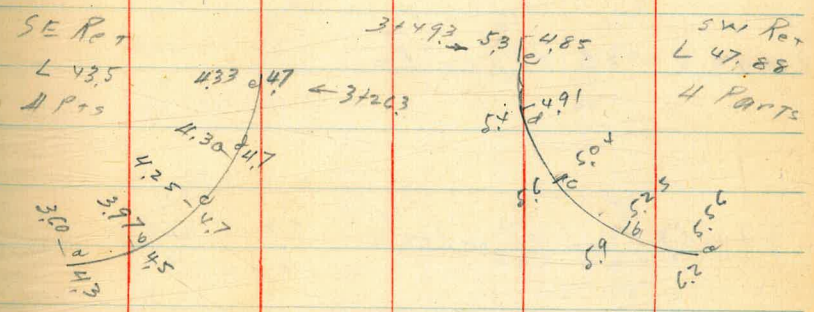
37.35

32.8	32.6	32.1	31.7	32.11
4.8	4.8	5.3	5.7	5.1
30	18	18	18.7	18.7
p	p		g	c

33.06	32.6	32.1	31.8	32.70
4.29	4.8	5.3	5.6	5.5
25	18	18	18	18
c6	g+	p		BC

SE Ret

L 43.5
4 PTS



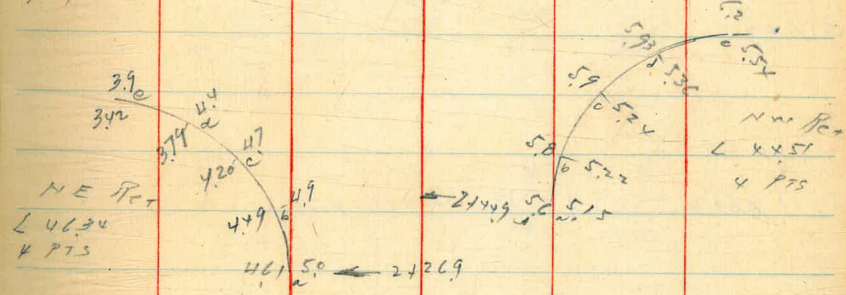
SW Ret

L 47.88
4 PTS

Napier

2 + 86.13 Spike

NE Ret
L 46.34
4 PTS



NW Ret

L 44.51
4 PTS

32.74	32.4	31.4	31.8	32.24
4.61	5.0	5.0	5.5	5.11
18	18	18	18	18
06				06

37.35

4100

T.P. 629 3923 441 32.94

165 9 Com distance 13 wide

3+249.3 66 EC on Pt

3+263 66 EC on Pt

3+100

2+8613 2° 34' RT 9 Napier Sec. on line ST

2+170

37.35

56

	33.51	33.0	32.9	32.3	32.83
	5.72	6.2	6.3	6.9	6.40
	18	18	18	18	18
	06				06
			<u>39.23</u>		

34.40	33.15	32.92
2.95	4.20	4.43
30	22	18
		91

33.15	32.8	32.8	32.1	32.50
4.20	4.6	4.6	5.3	4.85
18	18	18	18	18
06	91			06

33.04	32.7	32.5	32.8	32.20
4.33	4.7	4.9	5.6	5.05
18	18		28.7	28.7
16				06
EC				

33.30	32.8	32.8	32.1	31.7
4.05	4.6	4.6	5.3	5.7
30	30	18	18	30
06			P	P

33.3	33.0	32.5	32.0	31.7
4.1	4.4	4.9	5.4	5.7
32	20		20	35

33.1	32.9	32.5	31.9	31.5
4.2	4.5	4.9	5.5	5.9
30	18		18	30

37.35

Denver

484 9 8' Com drive

A 9007 R
28 1500
7 119.59

520588 BC R

425 9 8' Com do. thru cb

520 9 6' Com do. thru cb

5

4750

4732 9 8' Com do. thru cb

39.23

57

36.71
2.46
30
34.4
4.8
18
97

34.56
4.67
18
26
34.1
5.1
18
97
33.5
5.7
18
26
33.8
5.45
18
26

36.13
4.10
30
34.13
5.10
18
97

33.32
5.91
18
97
33.8
5.35
26
33.78
5.45
30

34.22
5.01
18
26
33.6
5.26
18
26
33.7
5.5
18
26
33.2
6.0
18
26
33.57
5.66
18
26

33.78
5.45
18
26
33.3
5.9
18
26
33.2
6.0
18
26
32.6
6.6
18
26
33.17
6.06
18
26

34.79
4.44
30
34.61
4.63
27
33.32
5.91
18
97

39.23

7402 E 8' Con do.

7400

743 E 12' Con do.

750

743 E 8' Con do.

6741 E 5' Con do.

6400

3923

2

2

35.59
3.64
18
06

35.0
4.2
18

35.0
4.2

34.3
4.9
18

34.90
4.33
18
06

37.13
2.10
30

36.18
3.05
25

35.01
4.22
18
97

35.23
4.00
18
06

34.8
4.4
18

34.7
4.5

34.1
5.1
18

34.81
4.72
18
06

34.08
5.15
18
97

35.25
4.98
25

35.17
4.00
30

37.15
2.08
30

36.47
2.70
25

34.76
4.47
18
97

34.78
4.45
18
06

34.4
4.8
18

34.5
4.7

33.9
5.3
18

34.20
5.03
18
06

59.23

34.53
4.70
18
97

35.31
3.92
30

8+21 9 11 dirt
drive

T.P. 640 42.09 3.54 35.69

8

7+89 9 11 Com da

7+84.55 F.C.

157 9 12 Com da

+50

7+23 9 10 Com da

39.23

59
36.9
5.2
30
dirt drive
35.75
6.34
18
97
36.33
2.90
18
06
35.86
3.35
18
35.7
3.5
18
42.09
35.1
4.1
18
35.54
3.69
18
06

34.94
4.29
18
97
35.43
3.80
22
35.39
3.84
30

36.23
3.00
18
06
35.7
3.5
18
35.6
3.6
18
34.93
4.30
18
97
in drive
35.47
3.76
22
35.38
3.85
30
drive

38.14
1.09
30
36.21
3.02
21
35.73
3.50
18
97

35.99
3.24
18
06
35.6
3.5
18
35.5
3.7
18
34.7
4.5
18
35.19
4.04
18
06

34.67
4.56
18
97
39.23
35.23
4.00
30

+97 8 9 1/2 Cor dave

38.11	37.73	37.71
3.98	4.36	4.88
30	22	18
		97

9+50

37.29	36.9	36.6	36.0	36.47
4.80	5.2	5.5	5.1	5.62
18	18		18	18
06				06

9+10

37.04	36.7	36.3	35.7	36.19
5.05	5.4	5.8	5.4	5.90
18	18		18	18
06				06

9+04 9 Brick Loose Lay
12' wide

36.99	36.33	36.5
5.10	5.26	5.5
30	18.7	18
Brick	Brick	97. PAY.

+89 9 8 Cor da

35.64	36.04
6.45	6.05
18	30
97	

+77 9 8 Cor da

36.99	36.53
5.10	5.56
30	18.97

8+50

36.54	36.2	36.0	35.4	35.89
5.51	5.9	6.1	6.7	6.20
18	18		18	18
06				06

42.09

42.09

37.09	36.37	37.40	36.7	37.70	37.1	37.88	37.5	38.05	37.9
$\frac{6.78}{0}$	$\frac{7.50}{9}$	$\frac{6.47}{0}$	$\frac{7.7}{6}$	$\frac{6.17}{0}$	$\frac{6.8}{9}$	$\frac{5.99}{0}$	$\frac{6.4}{9}$	$\frac{5.82}{0}$	$\frac{6.2}{9}$

S.W. Ret

37.82	39.3	39.53	38.9	39.29	38.8	39.05	38.7	39.12	38.7
$\frac{4.05}{0}$	$\frac{4.6}{9}$	$\frac{4.34}{0}$	$\frac{5.0}{6}$	$\frac{4.59}{0}$	$\frac{5.1}{9}$	$\frac{4.82}{0}$	$\frac{5.2}{9}$	$\frac{4.75}{0}$	$\frac{5.2}{9}$

S.E. Ret.

37.15	36.7	37.17	36.7	37.15	36.6	36.87	36.3	36.50	36.0
$\frac{6.72}{0}$	$\frac{7.7}{9}$	$\frac{6.75}{0}$	$\frac{7.7}{6}$	$\frac{6.72}{0}$	$\frac{7.3}{9}$	$\frac{7.00}{0}$	$\frac{7.6}{9}$	$\frac{7.37}{0}$	$\frac{7.9}{9}$

N.W. Ret.

37.97	37.57	38.18	37.7	38.49	38.0	38.83	38.4	38.13	38.7
$\frac{5.90}{0}$	$\frac{6.30}{9}$	$\frac{5.69}{0}$	$\frac{6.2}{6}$	$\frac{5.38}{0}$	$\frac{5.9}{9}$	$\frac{5.04}{0}$	$\frac{5.5}{9}$	$\frac{4.74}{0}$	$\frac{5.2}{9}$

N.E. Ret.

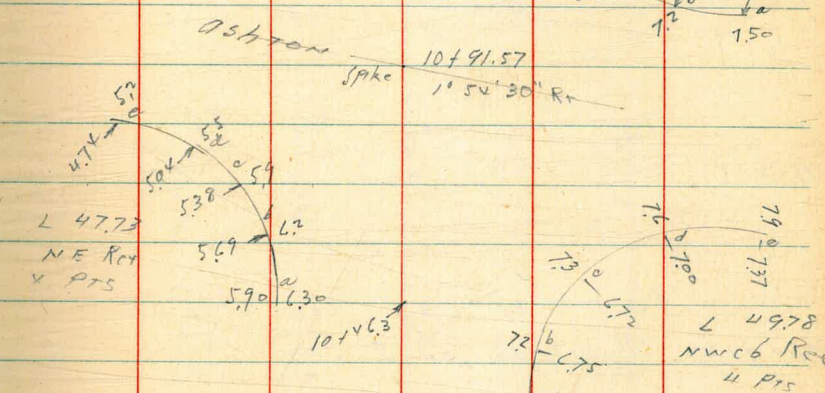
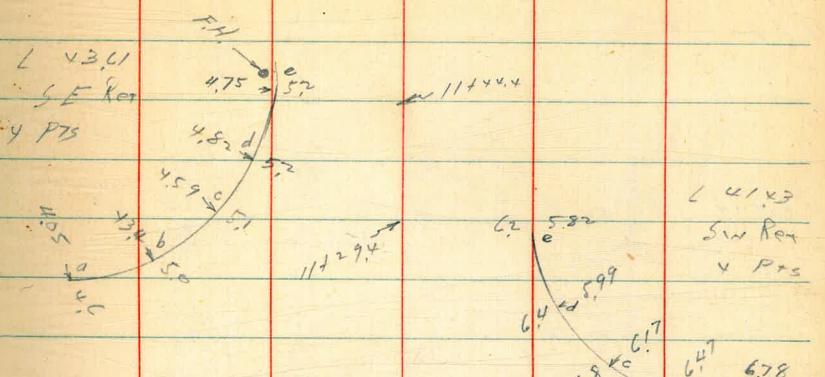
10+23 ^{cb.} BC on R7

TOP
TP FH. 2.10 43.87 0.37 41.77 S.E. DENVER OSHTON

10+05

42.09

Please use this
P. 77 1/2



37.78	37.4	37.2	37.1	37.15
$\frac{6.09}{0}$	$\frac{6.5}{9}$	$\frac{6.7}{0}$	$\frac{7.2}{0}$	$\frac{6.72}{0}$
18	18	18	18	18
06	06	06	06	06

43.87
43.82

37.69	37.29	37.11	36.4	36.96
$\frac{4.40}{0}$	$\frac{4.80}{9}$	$\frac{5.0}{0}$	$\frac{5.7}{9}$	$\frac{5.13}{0}$
18	18	18	18	18
06	06	06	06	06

42.09

11+80

$$\begin{array}{r} 39.57 \\ 4.30 \\ 18 \\ \hline 06 \end{array}$$

$$\begin{array}{r} 39.11 \\ 4.70 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 39.2 \\ 4.7 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 38.4 \\ 5.5 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 38.82 \\ 5.5 \\ 18 \\ \hline 06 \end{array}$$

11+444

c6
BC on LT
$$\begin{array}{r} 39.12 \\ 4.75 \\ 18 \\ \hline 06 \end{array}$$

$$\begin{array}{r} 38.7 \\ 5.2 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 38.6 \\ 5.3 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 37.9 \\ 6.0 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 38.32 \\ 5.5 \\ 18 \\ \hline 06 \end{array}$$

11+294

c6 EC on Pt

$$\begin{array}{r} 39.11 \\ 4.70 \\ 22 \\ \hline 06 \end{array}$$

$$\begin{array}{r} 38.7 \\ 5.2 \\ 22 \\ \hline \end{array}$$

$$\begin{array}{r} 38.4 \\ 5.5 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 37.7 \\ 6.2 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 38.05 \\ 5.8 \\ 18 \\ \hline 06 \end{array}$$

11+05

$$\begin{array}{r} 38.8 \\ 5.1 \\ 30 \\ \hline \end{array}$$

$$\begin{array}{r} 38.4 \\ 5.5 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 37.9 \\ 6.0 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 37.4 \\ 6.7 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 36.7 \\ 7.7 \\ 30 \\ \hline \end{array}$$

10+91.57

Q Astoria Sec.
on Q ST.
$$\begin{array}{r} 38.9 \\ 5.0 \\ 32 \\ \hline \end{array}$$

$$\begin{array}{r} 38.4 \\ 5.5 \\ 19 \\ \hline \end{array}$$

$$\begin{array}{r} 37.8 \\ 6.1 \\ 19 \\ \hline \end{array}$$

$$\begin{array}{r} 37.3 \\ 6.6 \\ 19 \\ \hline \end{array}$$

$$\begin{array}{r} 36.9 \\ 7.0 \\ 32 \\ \hline \end{array}$$

10+70

$$\begin{array}{r} 38.69 \\ 5.6 \\ 31 \\ \hline 06 \end{array}$$

$$\begin{array}{r} 38.4 \\ 5.7 \\ 31 \\ \hline \end{array}$$

$$\begin{array}{r} 37.9 \\ 6.0 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 37.6 \\ 6.3 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 37.1 \\ 6.8 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 36.9 \\ 7.0 \\ 30 \\ \hline \end{array}$$

10+463

c6
BC on LT.
$$\begin{array}{r} 37.97 \\ 5.90 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 37.6 \\ 6.3 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 37.2 \\ 6.7 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 36.9 \\ 7.0 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 36.5 \\ 7.4 \\ 35 \\ \hline 91 \end{array}$$

37.00

6.87

35

06

43.8743.87

178 E 10' Con do

173 E 8' Con do thru c6

163 E 11' Con do

159 E 8' Con do

150

12405

11199 E 8' Con do thru c6

43.82

42.20	40.45	40.57
1.57	3.42	3.30
30	18	18
	Con	97
	4.1	For

41.35	40.60
1.52	3.27
30	18
	97

40.60	40.3
3.27	5.6
18	18
66	

39.99	39.7
3.88	4.2
18	18
66	

39.79	40.41	40.39
4.08	3.46	3.48
18	24	30
97		

39.62	40.05	39.73
4.25	3.82	4.14
18	24	30
97		

40.4	39.5	39.92
3.7	4.4	3.95
18	18	18

39.5	39.9	39.23
4.4	5.0	4.64
18	18	66

38.71	37.17	38.73
5.76	4.70	5.14
18	24	30
97		

43.87

14 E 8 Con. dr.

42.84	42.75	42.7
5.82	5.91	6.39
30	24	18
		97

R

+93 E 10 Con. dr.

41.34	41.70	41.56
7.34	6.96	7.10
18	21	30
97		

+75 E 7 Con. dr. ^{thru} 26 A 6° 58' 20" L7
2R 2000

41.26	41.66	41.46
7.40	7.00	7.20
18	24	30
97		

13+50

41.95	41.5	41.6	40.9	41.28
6.71	7.2	7.1	7.8	7.38
18	18		18	18
66				66

T.P. 729 48.66 245 41.37

48.66

+38 E 7 Con. dr.

42.37	42.05	41.45
1.50	1.82	2.42
30	24	18
		97

13+19.97 B.C. L7

41.61	41.1	41.4	40.5	40.89
2.26	2.8	2.7	3.4	2.92
18	18		18	18
				66

13

41.35	41.1	41.0	40.4	40.61
2.52	2.8	2.9	3.7	3.20
18	18		18	18
66				66

43.87

43.87

15 + 45

123 27' Con do

15 + 05 E 10' Con do

14 + 95

14 + 88 E 8' Loose Brick Con do

14 + 50

14 + 05

48.00

44.85	44.3
5.81	5.8
18	18
06	

44.3	43.7
5.8	5.5
18	18

44.11	43.48
5.55	5.18
18	18

44.54
5.12
30

44.54
5.12
26

43.97
5.69
18
97

44.26
5.40
30

44.21
5.45
23

43.63
5.03
18
97

44.06
5.60
18
06

43.6
5.1
18
97

43.6
5.1
18
97

43.0
5.7
18
97

43.48
5.18
18
06

43.68
5.98
18
97

43.04
5.02
20

43.18
5.48
30

43.46
5.20
18
06

43.0
5.7
18
97

43.9
5.8
18
97

42.3
6.4
18
97

42.74
5.92
18
06

42.82
5.84
18
06

42.36
6.30
18

42.3
6.4
18

41.7
7.0
18

42.11
6.55
18
06

48.00

NEBP Littlefield
 Denver 202 4664 46.74
 010

17+00.67 E Littlefield

16+686 BC only at Littlefield

16+278 CB BC on 97

16

185 9 10 Con do

15+6344 E.C

15+53 9 9 Con do show cb

4866

check Levels for BM chis. D Goldfield
 P. 79 1/2

66

Denver

46.64	46.2	46.3	46.1	45.8
2.02	2.5	2.4	2.1	2.9
18	18	18	18	30
06	07		dirt	dirt

46.06	45.6	45.6	44.96	45.4
2.00	2.1	2.1	3.70	3.25
18	18	18	18	18
06				06

45.65	45.1	45.1	44.6	44.97
3.01	3.5	3.6	4.1	3.69
18	18	18	18	18
06				06

46.36	44.84
2.30	3.82
30	18
	97

46.08	44.5	44.6	44.0	44.39
3.58	4.2	4.1	4.7	4.27
18	18	18	18	18
06				06

43.80	44.21	44.19
4.80	4.45	4.07
18	24	30
97		

4866

1 sec Goldfield
Napier to Littlefield

near
Bogg
Sherrin 6-10-48
Bunch
1400

04136 c6 BC R

1. DISTRICT
JUN 11 1948

24.23	23.6	24.56	23.98	24.98	24.4	25.33	24.9	25.46	25.08
6.88	7.5	6.52	7.10	6.10	6.7	5.75	6.2	5.62	6.00
0	9	0	6	9	0	9	0	9	0

S.W. Ret.

26.75	26.2	26.51	26.0	26.31	25.8	26.10	25.7	25.93	25.6
4.33	4.9	4.54	5.1	4.77	5.3	4.98	5.4	5.15	5.5
0	9	0	6	9	0	9	0	9	0

S.E. Ret.

0439 c6 BC on G

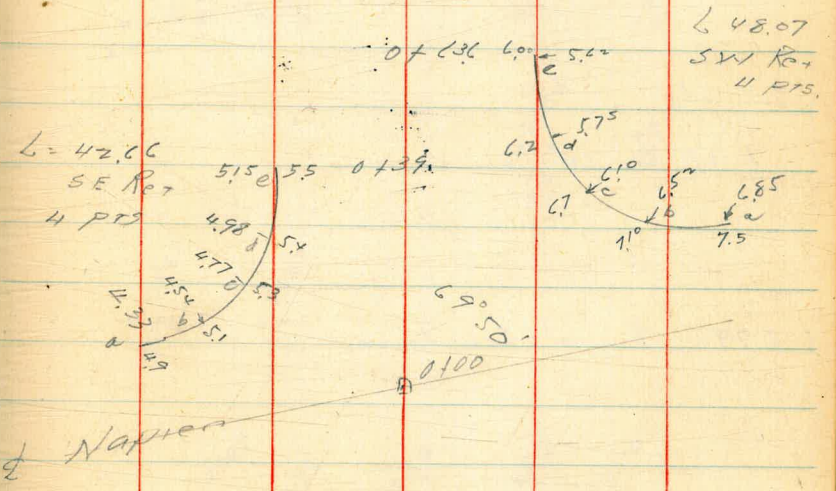
SE. Chord
SE. source
Napier
and
Goldfield
4.65 31.08 26.43

L7 R P7

07

26.60	26.2	26.1	25.4	25.80
4.18	4.9	5.0	5.25	5.28
18	18	0	18	18
c6				c6

26.23	25.8	25.6	25.1	25.46
4.85	5.3	5.25	6.0	5.02
18	18	5	18	18
c6				



25.83	25.6	25.4	25.0	24.8
5.15	5.5	5.7	6.1	6.7
18	18		18	30
c6			P	P

31.08

2 + 50

2 + 05 E 8' Con do.

1 + 98

A C 59' R
E R 2000
1 12203

+ 91 E 10' Con do.

1 + 79 E 10' Con do.

1 + 54 53 BC R

1 + 24 E 8' Con do. thru 6

31.08

68

27.86	27.3	27.5	26.9	27.28
3.22	3.8	4	4.2	3.80
18	18		18	18
06			06	06

29.16	26.95
1.92	4.13
30	18
	9+

27.45	26.9	27.0	26.4	26.78
3.23	4.2	4.1	4.7	4.30
18	18		18	18
06	9+		9+	06

26.34	27.68
4.74	3.40
18	30
9+	

29.68	26.67
2.40	4.41
30	18
	9+

27.09	26.6	26.6	25.9	26.32
3.99	4.5	4.5	5.2	4.76
18	18		18	18
06				06

28.06	26.32
3.02	4.76
30	18
	9+

31.08

3 + 98.29 E.C.

469 @ 17' Can do

3 + 50

3 + 14 @ 12' Can do

T.P. (51) 3 x .36 3.23 27.85

3

2 + 59 @ 11' Can do

31.08

29.18
5.18
1.8
06

28.7
5.7
1.8
97

27.8
5.0

28.2
6.2
1.8

28.60
5.70
1.8
06

27.92
6.42
1.8
97

28.26
6.10
2.2

28.07
6.29
30

28.74
5.02
1.8
06

28.2
6.2
1.8

28.4
6.0

27.8
6.6
1.8

28.15
6.21
1.8
06

29.42
5.92
30

27.82
6.42
1.8

3 x .36

28.30
2.78
1.8
06

27.8
3.3
1.8

27.9
3.2

27.3
4.8
1.8

27.67
6.41
1.8
06

28.49
2.59
30

27.39
3.9
1.8
97

31.08

Goldfield

4477 E 14 Cor. da.

4468 6 BC on R

29.28	28.66	29.44	28.8	29.66	29.11	29.76	29.4	29.80	29.5
5.10	5.70	4.92	5.6	4.70	5.3	4.60	5.0	4.56	4.9
0	9	0	6	9	0	9	0	9	0

SW Ret

31.58	30.96	31.21	30.7	30.85	30.4	30.60	30.2	30.62	30.4
2.78	3.40	3.15	3.7	3.51	4.0	3.76	4.2	3.74	4.0
0	9	0	6	9	0	9	0	9	0

S.E. Ret.

29.30	28.9	29.04	28.6	28.67	28.16	28.17	27.6	27.81	27.16
3.06	5.5	5.32	5.8	5.69	6.20	6.19	6.8	6.55	7.20
0	9	0	6	9	0	9	0	9	0

NW Ret

30.20	29.8	30.29	29.9	30.54	30.0	30.82	30.2	31.06	30.5
4.16	4.6	4.07	4.5	3.82	4.4	3.54	4.2	3.30	3.9
0	9	0	6	9	0	9	0	9	0

NE Ret

4450

4413 E 12 Cor. da.

34.36

20.30	20.20	20.3
4.06	4.16	5.1
30	26	18

L = 491.2
SE Ret.
4 PTS.

29.77	29.4
4.59	5.0
18	18
06	06

L = 21.6

5185.9

5154.70 spike
3° 12' RT

3.9	4.1	4.4
3.30	3.54	3.82
0	9	0

L 39.2
NE Ret
4 PTS

4.16	4.6	5.197
18	18	18
06	06	06

4468

L 350v
SW Ret
4 PTS.

L 54.91
NW Ret
4 PTS

29.60	29.2	29.2	29.7	29.10
4.76	5.2	5.2	5.7	5.2
18	18	18	18	18
06	06	06	06	06

30.22	30.04	28.76
4.14	4.32	5.6
30	25	18
		07

34.36

6421.6 ^{c6} B.C. on Lt

6485 1st E (on dip in c6, drive

5485.9 c6 BC on Rt

175

5454.78 Sec. on E Ashton

5432

5419.7 ^{c6} BC G.

34.36

Lr			R	
30.62	30.4	30.3	29.7	30.0
3.74	4.0	4.1	4.7	4.2 C
18	18		18	18
c6			95	c6

29.38	
4.98	4.5
18	30
95	drive

30.36	29.9	29.7	29.5	29.80
4.00	4.5	4.7	4.9	4.5 C
30	18		18	18
P	P			c6

30.4	29.9	29.6	29.3	29.74
4.0	4.5	4.8	5.1	4.62
30	18		19.5	19.5
				c6

30.56	30.2	29.7	29.4	28.9
3.80	4.2	4.7	5.2	5.5
35	20		20	35

30.45	30.0	29.9	29.0	28.7
3.91	4.4	4.6	4.8	5.7
22	22	18	18	30
c6			P	

30.70	29.8	29.5	28.9	28.5
4.16	4.6	4.9	5.5	5.9
18	18		18	30
c6	95		P	P

34.36

7750

+44 8' Cor. dr.

+26 8 12' Cor. dr.

7400

+63 10' Cor. dr.

6750

T.P.

644

36.90

3.90

30.46

34.36

Lt

R

R

72

31.80	31.3	31.20	30.7	31.16
5.10	5.6	5.7	6.2	5.7x
18	18		18	18
06				06

31.85	31.75	31.25
5.05	5.5	5.45
30	23	18
		97

30.46	30.9	30.86
6.50	6.0	6.0x
18	22	30
97		

31.32	30.9	30.8	30.3	30.75
5.58	6.0	6.1	6.6	6.15
18	18		18	18

30.62	30.16
6.88	6.7x
18	30
97	

30.88	30.4	30.4	29.9	30.34
6.07	6.5	6.5	7.0	6.50
18	18		18	18
06				06

36.90

8150

+45 E 7' Con do.

+32 E 10' Con do.

+25 E 7' Con do.

+07 E 12' Con do.

8

7+6281 BCRT^A 5°16'30" RT DP-500 T 1151C

3690

32.67
4.23
18
06

32.3
4.6
18
97

32.3
4.6

31.7
5.2
18

32.10
4.80
18
06

73

31.70
5.30
18
97

32.08
4.82
23

32.1
4.8
30

33.1
3.8
30

32.69
4.21
23

32.09
4.81
18
97

31.46
5.44
18
97

31.90
5.0
23

32.00
4.90
30

32.74
4.18
30

32.48
4.42
25

31.85
5.05
18
97

32.24
4.68
18
06

31.9
5.0
18

31.8
5.1

31.7
5.7
18

31.69
5.21
06

31.94
4.96
18
06

31.50
5.4
18

31.4
5.5

30.8
6.1
18

31.31
5.59
18
06

3690

9+9298 E.C.

+84 8 Com. do.

150

9+42 8 Com. do.

9100

8185 8 Com. do.

36.90

L 2 R

33.98	33.6	33.5	32.0	32.38
2.92	3.3	3.4	4.9	4.52
<u>18</u>	<u>18</u>		<u>18</u>	<u>18</u>

34.50	34.06	33.59
2.40	2.84	3.33
<u>30</u>	<u>23</u>	<u>18</u>
		97

33.57	33.1	33.1	31.60	33.01
3.33	3.8	3.8	4.30	3.89
<u>18</u>	<u>18</u>		<u>18</u>	<u>18</u>

32.57	33.0	32.88
4.33	3.90	4.02
<u>18</u>	<u>24</u>	<u>30</u>
97		

33.17	32.8	32.7	31.10	32.54
3.73	4.1	4.2	4.80	4.30
<u>18</u>	<u>18</u>		<u>18</u>	<u>18</u>
06				

33.79	33.37	32.56	32.60
3.11	3.53	4.34	4.30
<u>30</u>	<u>23</u>	<u>19</u>	<u>18</u>
			97

36.90

check to
NAIL P.P.
P. 43

9.16 2985 29.88

11 + 2858 8 Littlefield Returns
UNTER
Littlefield xsec.

10 + 942 ⁰⁶ B.C. Lt.

10 + 71 86 on Pt

154 9 8' Cond.

10 + 40

T.P. 606 39.51 345 3345

36.90

Lt

8

R

75

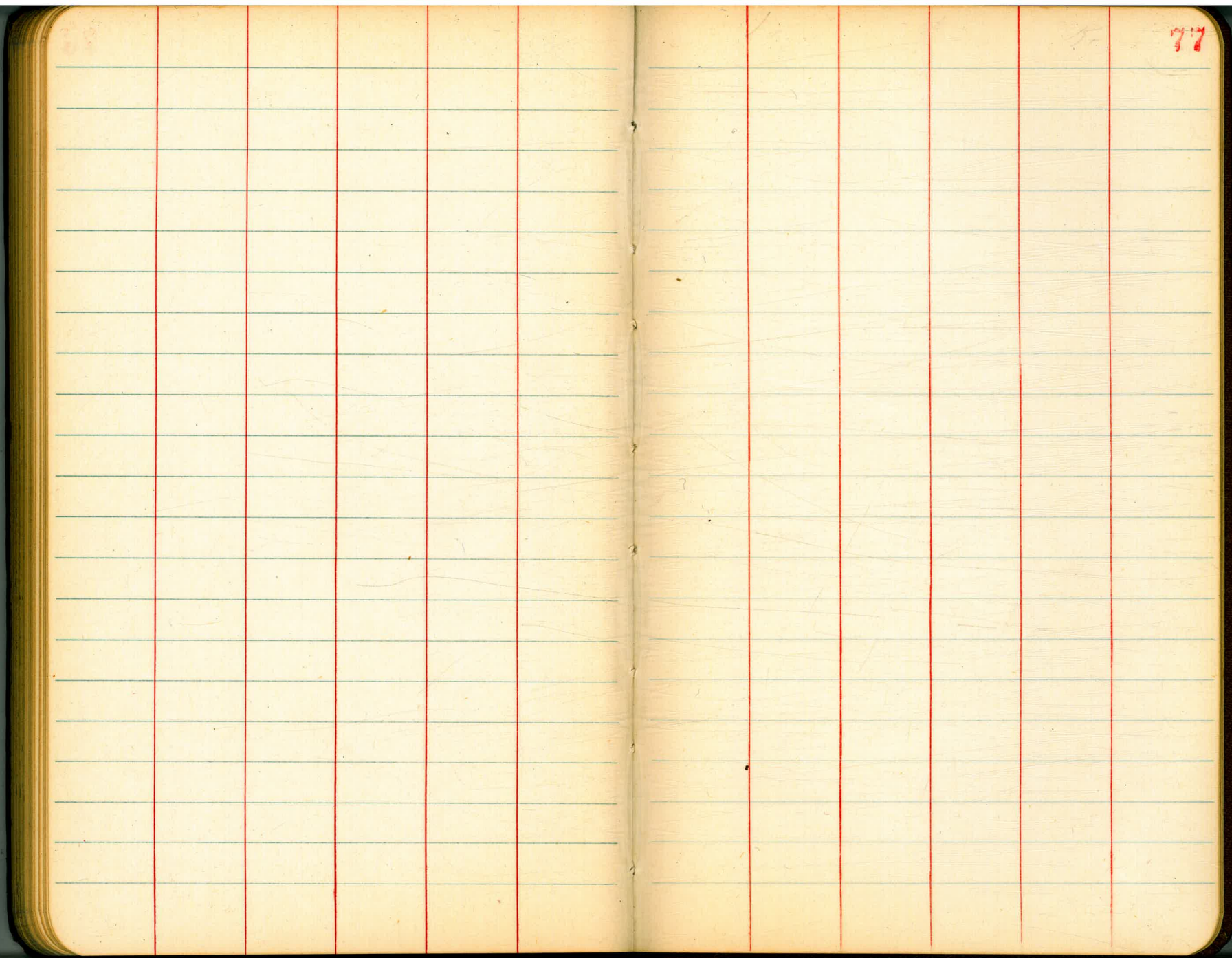
35.00	34.5			
4.51	5.0	5.34.5	5.34.0	5.33.3
18	18		18	18
06	9		0	0

34.78	34.3			
4.73	5.2	5.34.3	5.33.6	5.34.3
18	18	5.2	18	18
06				

35.98	34.21
3.53	5.30
30	18
	9

34.51	34.11			
5.00	5.46	5.33.9	5.33.4	5.33.79
18	18	5.6	18	18
06				06

39.51



check Levels to Goldfield B.M.

B.M. B.P.
W. B. Wall
RR. C-12 8.88 15.63 4.75 150' 50' W. of
Highton
Morena

T.P. 9.44 23.23 184 13.79

set B.M. B.P. & Ret.
N.W. Cor. Napier and
Chicago 5.53 17.70 ✓

T.P. 8.95 26.65 5.53 17.70

T.P. chisel
SE. Napier
Goldfield 0.23 26.42 26.43 P. 53

Above
B.M. 10.74 37.17 26.43

T.P. 6.45 40.09 3.53 33.64

T.P. 6.45 42.84 3.70 36.39

check to T.P. Top FH. S.E.
Highton + Denver 1.07 41.77 41.77
0.05

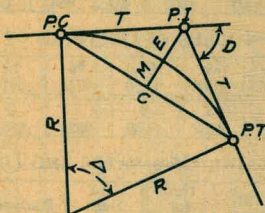
T.P. 5.01 46.78 1.07 41.77

T.P. 5.82 50.27 2.33 44.45

check to N.E. B.P.
Butterfield
Denver 3.56 46.71 46.71
0.03

DIETZGEN'S RAILROAD CURVE AND REDUCTION TABLES

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CURVE FORMULAS

Radius $= R = \frac{50}{\sin \frac{D}{2}}$ (1) Degree of Curve $= D$ and $\sin \frac{D}{2} = \frac{50}{R}$ (2)

Tangent $= T = R \tan \frac{\Delta}{2}$ (3) Length of Curve $= L = 100 \frac{\Delta}{D}$ (4)

Middle ordinate $= M = R(1 - \cos \frac{\Delta}{2})$ (5) $= R \text{vers} \frac{\Delta}{2}$ (6)

External $= E = T \tan \frac{\Delta}{4}$ (7) $= R + \cos \frac{\Delta}{2} - R$ (8) $= R \text{exsec} \frac{\Delta}{2}$ (9)

Long Chord $= C = 2 R \sin \frac{\Delta}{2}$ (10) Δ = Central Angle

EXPLANATION AND USE OF TABLES

Stations.—Given P. I.—Sta. 161+60.35 to find Sta. of P. C. and P. T. Δ=62° 10' D=8° 20'. From Table IV for 1° curve T=3454.1 and ÷ 8½=414.49 ft. From Table V correction=.36 or T=414.85 ft. P. C.—Sta. P.I.—T=157+45.50. Also from (4) L=746.00 and P. T.—Sta. P. C.+L=164+91.50.

Offsets.—Tangent offsets vary (approximately) directly with D and with square of the distance. Thus tangent offset for Sta. 158 on above curve is 2.16 ft. found as follows. From Table III tangent offset for 100 ft.=7.27 ft. Distance=158—Sta. P. C.=54.50, hence offset=7.27 (54.50÷100)²=2.16 ft. Also square of any distance divided by twice the radius equals (approximately) the distance from tangent to curve. Thus (54.50)² ÷ (2 × 688.26)=2.16 ft.

Deflections.—Deflection angle=½ D for 100 ft., ¼ D for 50 ft., etc. For c ft.=(in minutes) .3 × C × D° or=defl. for 1 ft. from Table III × C. For Sta. 158 of above curve=.3 × 54.5 × 8½=136.2' or 2° 16.2', or=2.50 × 54.5=136.2' from Table III. For Sta. 159 deflection angle=2° 16.2' + 8° 20' ÷ 2=6° 26.2', etc.

Externals.—May be found in similar manner to tangents. Thus E for curve above is 115.37. For from Table IV for 1° curve E=960.6 for 8° 20'=960.6 ÷ 8½=115.27 and from Table V correction=.10 or E=115.37 ft. Or suppose Δ=32° and E is measured and found to be 42 ft. What is D? From Table IV E=230.9 and ÷ 42=5.5 or D=5° 30'.

**DISTANCES FROM CENTER OF ROADWAY FOR
CROSS-SECTIONING.**

Roadway 16 feet wide. Side Slopes 1 on 1½
For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4	0
1	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	1
2	11.0	11.2	11.3	11.5	11.6	11.8	11.9	12.1	12.2	12.4	2
3	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.6	13.7	13.9	3
4	14.0	14.2	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	4
5	15.5	15.7	15.8	16.0	16.1	16.3	16.4	16.6	16.7	16.9	5
6	17.0	17.2	17.3	17.5	17.6	17.8	17.9	18.1	18.2	18.4	6
7	18.5	18.7	18.8	19.0	19.1	19.3	19.4	19.6	19.7	19.9	7
8	20.0	20.2	20.3	20.5	20.6	20.8	20.9	21.1	21.2	21.4	8
9	21.5	21.7	21.8	22.0	22.1	22.3	22.4	22.6	22.7	22.9	9
10	23.0	23.2	23.3	23.5	23.6	23.8	23.9	24.1	24.2	24.4	10
11	24.5	24.7	24.8	25.0	25.1	25.3	25.4	25.6	25.7	25.9	11
12	26.0	26.2	26.3	26.5	26.6	26.8	26.9	27.1	27.2	27.4	12
13	27.5	27.7	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.9	13
14	29.0	29.2	29.3	29.5	29.6	29.8	29.9	30.1	30.2	30.4	14
15	30.5	30.7	30.8	31.0	31.1	31.3	31.4	31.6	31.7	31.9	15
16	32.0	32.2	32.3	32.5	32.6	32.8	32.9	33.1	33.2	33.4	16
17	33.5	33.7	33.8	34.0	34.1	34.3	34.4	34.6	34.7	34.9	17
18	35.0	35.2	35.3	35.5	35.6	35.8	35.9	36.1	36.2	36.4	18
19	36.5	36.7	36.8	37.0	37.1	37.3	37.4	37.6	37.7	37.9	19
20	38.0	38.2	38.3	38.5	38.6	38.8	38.9	39.1	39.2	39.4	20
21	39.5	39.7	39.8	40.0	40.1	40.3	40.4	40.6	40.7	40.9	21
22	41.0	41.2	41.3	41.5	41.6	41.8	41.9	42.1	42.2	42.4	22
23	42.5	42.7	42.8	43.0	43.1	43.3	43.4	43.6	43.7	43.9	23
24	44.0	44.2	44.3	44.5	44.6	44.8	44.9	45.1	45.2	45.4	24
25	45.5	45.7	45.8	46.0	46.1	46.3	46.4	46.6	46.7	46.9	25
26	47.0	47.2	47.3	47.5	47.6	47.8	47.9	48.1	48.2	48.4	26
27	48.5	48.7	48.8	49.0	49.1	49.3	49.4	49.6	49.7	49.9	27
28	50.0	50.2	50.3	50.5	50.6	50.8	50.9	51.1	51.2	51.4	28
29	51.5	51.7	51.8	52.0	52.1	52.3	52.4	52.6	52.7	52.9	29
30	53.0	53.2	53.3	53.5	53.6	53.8	53.9	54.1	54.2	54.4	30
31	54.5	54.7	54.8	55.0	55.1	55.3	55.4	55.6	55.7	55.9	31
32	56.0	56.2	56.3	56.5	56.6	56.8	56.9	57.1	57.2	57.4	32
33	57.5	57.7	57.8	58.0	58.1	58.3	58.4	58.6	58.7	58.9	33
34	59.0	59.2	59.3	59.5	59.6	59.8	59.9	60.1	60.2	60.4	34
35	60.5	60.7	60.8	61.0	61.1	61.3	61.4	61.6	61.7	61.9	35
36	62.0	62.2	62.3	62.5	62.6	62.8	62.9	63.1	63.2	63.4	36
37	63.5	63.7	63.8	64.0	64.1	64.3	64.4	64.6	64.7	64.9	37
38	65.0	65.2	65.3	65.5	65.6	65.8	65.9	66.1	66.2	66.4	38
39	66.5	66.7	66.8	67.0	67.1	67.3	67.4	67.6	67.7	67.9	39
40	68.0	68.2	68.3	68.5	68.6	68.8	68.9	69.1	69.2	69.4	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 41.9. For same slopes but other widths of roadbed correct above figures by one-half difference in width of roadbed; thus in example above for 20 ft. roadbed distance will be $41.9 + (20 - 16) \div 2$ or 2 ft. added to 41.9 = 43.9. For slopes of 1 on 1 see inside of front cover.

MADE IN U.S.A.