

INDEX

Page.

2

3

4

5

Location end of Present

6

Iron Pile (J. M. Duff Farm) Sta.

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

INDEX

Page

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

INDEX

Page

Sept 1925 16 17 18 25

W.A. Montgomery 1 1 1

Wm Smucker 1 1 1

Wm Downing 1 1 1

Earl Oliphant 1 1 1

Gene Mack 1 1 1

77 Wright 1

50

51

52

53

54

55

56

57

58

59

60

Dinner
miles
6 to

66	28	225
94	32	225
50	36	225
		30 / 100

Monuments
I.C.H. 130

stations

1	111	214
6	116	219
14	118	224
16	123	228
21	126	232+34 PC
26	133	234+10 PT
31	135	8
37	140	
42	145+22 PC	
46	147+33 PT	
54	153	
60	158 ^{one on} EAST	
64	158+92 ^{one on} WEST	
67	167+172 PT	
72	180	
77	183	
82	185	
83+22 PC	191	
90+45 PT	197	
97	202	
103	204	
106	209	



Sept 16-25
W. H. M. ent
Wmsmester

Drive 8+52

Drive 8+25

Res
8+25 15' Lynn
46'
west

James H. H. H.

N 7 W

William F. H. H.

INDEXED ON MAP
1868

sta 0
End of I.C.H. 130 Sec 9
side stakes 306

M.F. 01 N

Res
19+50

Drive 19+00

Windburn

19.5 19.5

12" C.I.P
18+02

17+99
LANDLINE

F. W. R. 1950

A

16+11 Landline



15+00 0

30' 0

Drive 12+76 Landline

1469
INDEXED ON MAP

	104.20			
stk East	7.04	97.26	95.36	1.90 stone box
stk West	7.77	96.53	94.50	1.73 20" x 30"
ld	4.30	100.00		
rest	9.42	94.88	94.90	
cut	9.15	95.15	95.26	

(mean) ~~30"~~ ~~30"~~

10' 14'

30 x 42

Herring

27+15 Drive

26+30
x
hand line

Turner

1469
INDEXED ON MAP

I.C.H. 120-D

38420 Drive

CONCRETE 6'

36+05

24" C.I.P.

16.5

21'

Front Wall

38401 x Landline

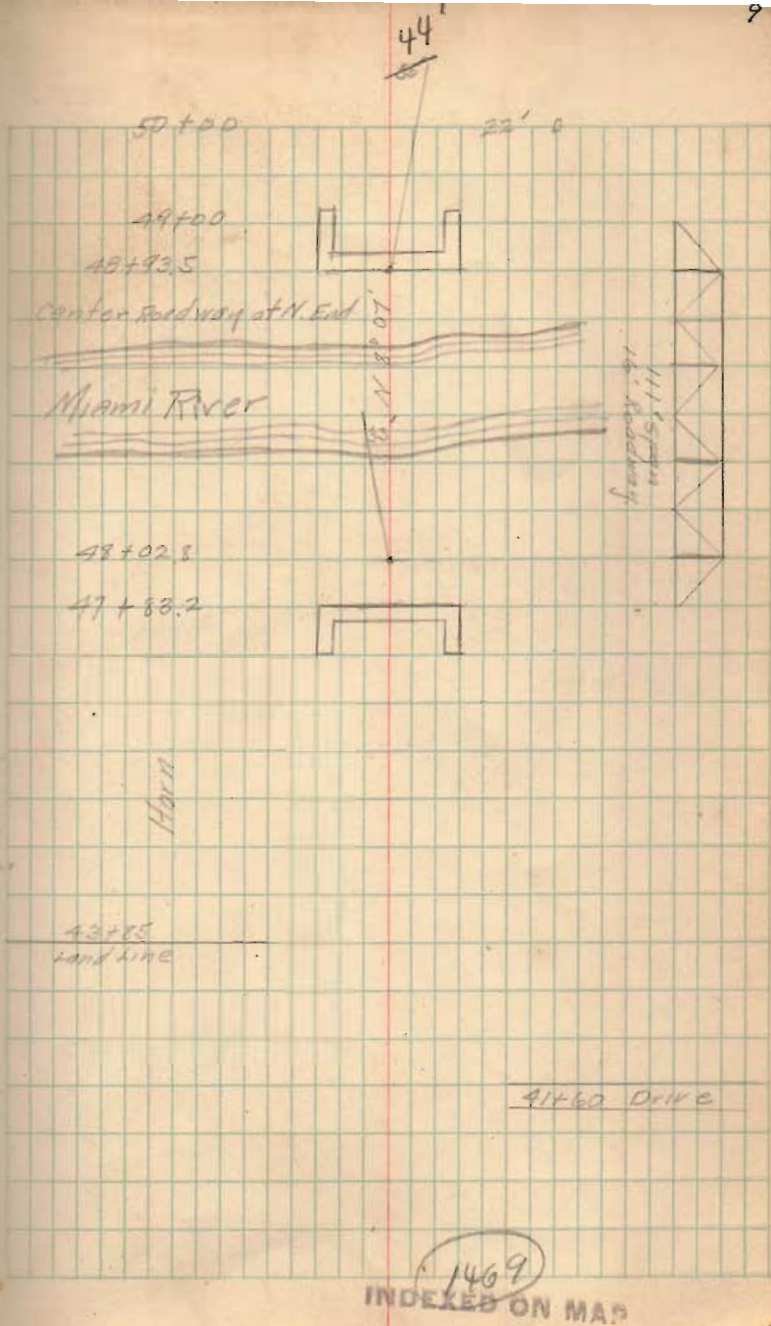
Driveway



1469
INDEXED ON MAP

110.H.130-D

48+02.8
47+83.2
+19.6



1469
INDEXED ON MAP

H.C.H. 130 D

Douglas

2 ply
503 inch

Res
52700
Roll

57+73

Land Line

stone

90'

503 5 ply Willow

12' mid clayey
503

6'

55+73 Drive

Res
52700

Frq.

52+00

20' 0

51+19

Land Line

51+00

20' 0

1469

INDEXED ON MAP

110. N 1130-D

6598
6515
83

67+00

64+00

Drivd 67+90

Box
67+30

N 70° 26'

14'

Angle

Station 91

65+96.9

N.Y. Pike

62.25'

x03

Church

McCrann

Chapel

65 ± 15

Cemetery

63+02x
Land Line

Barn

146.9

INDEXED ON MAP

11 C. H. 130 D

75+43
10" C 1 R

Emerg.

7' 17'

Allen Parker

Drive 70+30

Rec
70+30

1469

INDEXED ON 11/11

$$\begin{array}{r} 114 \\ 112 \\ \hline 226 \\ 112 \\ \hline 114 \end{array}$$

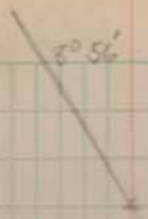
$$\begin{array}{r} 87 \\ 1 \\ \hline 88 \\ 222 \\ \hline 1104.130 D \end{array}$$

$$\begin{array}{r} 7744 \times \\ 439 \\ \hline 67696 \\ 23238 \\ \hline 20976 \\ 25433996 \\ \hline 25048 \\ 87090 \\ \hline 87808 \\ 2720 \end{array}$$

$$\begin{array}{r} 45 \\ 45 \\ \hline 2025 \\ 420 \\ \hline 18225 \\ 6075 \\ \hline 11250 \\ 87808 \\ \hline 10990 \end{array}$$

$$\begin{array}{r} 89734 \\ 112 \\ \hline 8822 \end{array}$$

$$\begin{array}{r} 805 \\ 1940 \end{array}$$



$P1 = 89734$

$\Delta = 2^{\circ} 56'$

$D = 4$

$$\begin{array}{r} 4447.70 \\ + 111.32 \\ \hline 4559.02 \\ 44 = 439 \end{array}$$

Date 12-1-75

1469
 INDEXED ON MAP

C.H. 130 D

110 + 00 Drive

Res
109 + 70

N 16° 18'

4'

I.P.

104 + 987

Source Notobulum

1469
INDEXED ON MAP

100 + 364

I.P.

Duxin

112.10.120-D

climb

NV6°31'W

.13'

stone

116+70E

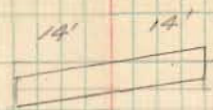
DUAN

DRIVE 112+91

1469

INDEXED ON MAP

1.0. N 120 D



3x3' stone block
 127+14
 Bad shape

125+21
 Landline

Drove 122+00

127+00

1469
 INDEXED ON MAP

10. 170-12

Roundstone

N 16° 18' W

13'

Roundstone

134 + 05 Gate.

133 + 98

Road.

133 + 572

Gate

1469

INDEXED ON MAP

$$\begin{array}{r} 78 \\ 78 \\ \hline 156 \\ 546 \\ \hline 608 \end{array}$$

$$\begin{array}{r} 106 \\ 106 \\ \hline 212 \\ 1136 \\ \hline 1348 \end{array}$$

$$\begin{array}{r} 78 \\ 78 \\ \hline 156 \\ 546 \\ \hline 608 \end{array}$$

$$\begin{array}{r} 348 \\ 78 \\ \hline 2704 \\ 2436 \\ \hline 27194 \end{array}$$

$$\frac{1000}{D}$$

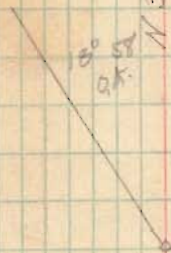
$$\begin{array}{r} 146091 \\ 963 \\ \hline 248 \end{array}$$

$$\begin{array}{r} 29 \\ 30 \\ \hline 2103 \\ 24522 \\ \hline 247325 \end{array}$$

$$\begin{array}{r} 3.93 \\ 2.107 \\ \hline 9 \overline{) 18.967} \\ 18 \\ \hline \end{array}$$

P.T. 248+325

Prism



x 145496x

pe - 145+22.2

143+25 Gate

143+25 Drive

Res
14273

$\Delta = 18^{\circ} 58'$
 $D = 90$
 $9 \overline{) 885}$
 $9 \overline{) 179162} = EX.$

$9 \overline{) 957.10}$
 $T = 106.34$

Elder

P1 = 146+225

pe - 145+22.2

143+25 Drive

Res
14273

1469
 INDEXED ON MAP

110. # 130-D

Lane.

159+22

Road

School
156+64

156+00

Res
154+90

Drive

K. Schmitt

12" C.I.P

13.8

16.4

152+83

INDEXED ON MAP
1469

110.11.130-D

160 + 70 = 230
 2343
 938.32
 936.60
 11.72
 1009.18 86
 1010.51 936.60
 937.46

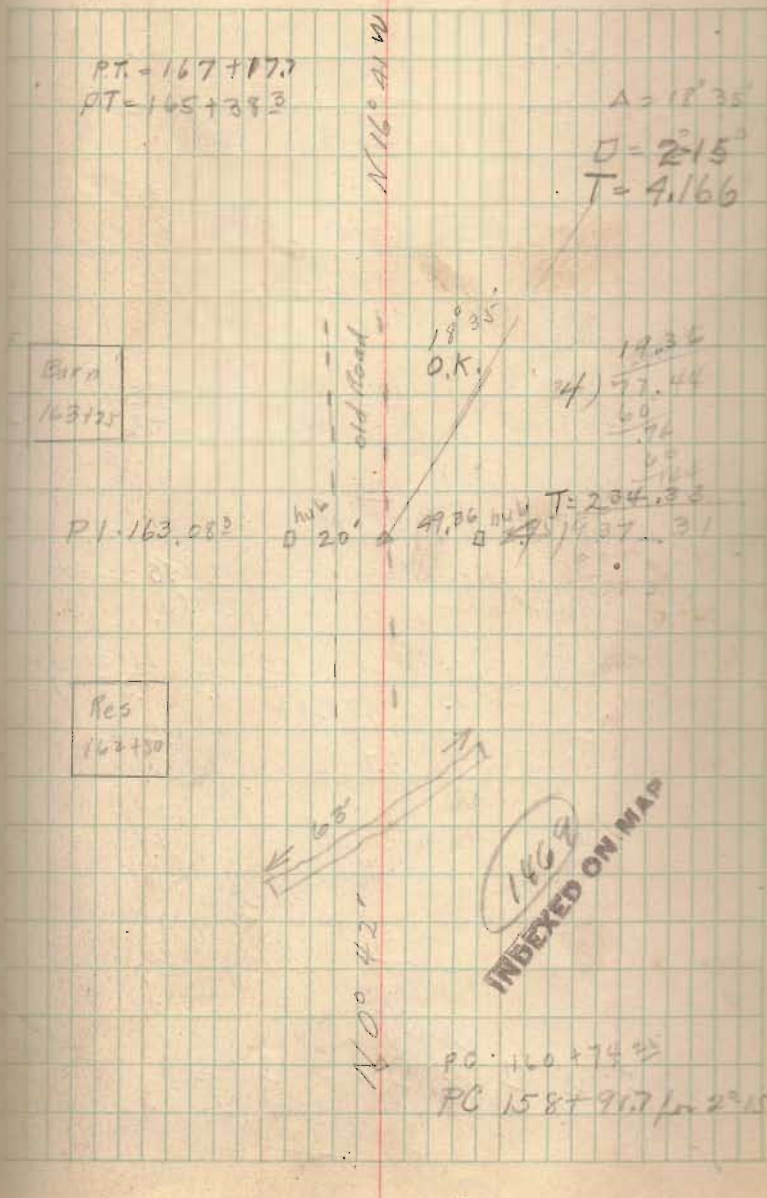
Right
 30 28 2 152
 64 57 42 6
 Left
 18 22 27 30
 42 43 52 41

40 36 30 37 15 10 163
 66 66 60 55 7.2 7.0 0.447
 2044
 23 58 26 36 28 15 164
 60 53 56 61 81 8.0 7.9 0.351
 7.62
 2.25 9.3746
 9.00 30
 374 80
 1003.82 220
 1796
 1350
 30 1460
 30
 36

4.78
 100.67
 30 163 + 0.875
 58 04 + 10.6
 158.917 02.67
 30 146
 58 52 03.07
 187 54

30 167
 54 52 03.47
 30 168
 53 49 03.77
 30 169
 64 58 02.97

108 + 91.7
 8 26
 167 + 97
 30 169
 64 58 02.97



110. N. 130-D

1008.67

$\frac{30}{76}$

170

$\frac{76}{92}$
01.07

$\frac{30}{68}$

$\frac{30}{92}$

171

$\frac{92}{99.47}$

$\frac{30}{70}$

822 1000.95

445
1001.90

$\frac{30}{46}$

172

$\frac{45}{45}$
00.40

$\frac{30}{48}$

$\frac{30}{43}$ $\frac{15}{48}$

173

$\frac{58}{99.10}$

$\frac{30}{44}$

30' on left
measured from
170

173.14

$\frac{14}{49}$ $\frac{17.26}{70.77}$ $\frac{30.40}{69.67}$ $\frac{44}{49}$

water level

30' on right
6x8

174

$\frac{12}{44}$ $\frac{16}{7.3}$ $\frac{21}{8.3}$ $\frac{28.35}{70}$ $\frac{40}{67.46}$

$\frac{30}{56}$

174

$\frac{47}{002.0}$

$\frac{30}{49}$

$\frac{30}{46}$

175

$\frac{46}{00.3}$

$\frac{30}{49}$

$\frac{30}{60}$

176

$\frac{51}{99.7}$

$\frac{30}{39}$

30' on left of stream
- 20' right of high 1700

$\frac{30}{50}$

$\frac{50}{51}$

$\frac{21}{45}$

$\frac{27}{24}$

$\frac{27}{12}$

$\frac{17}{13}$

$\frac{05}{34}$

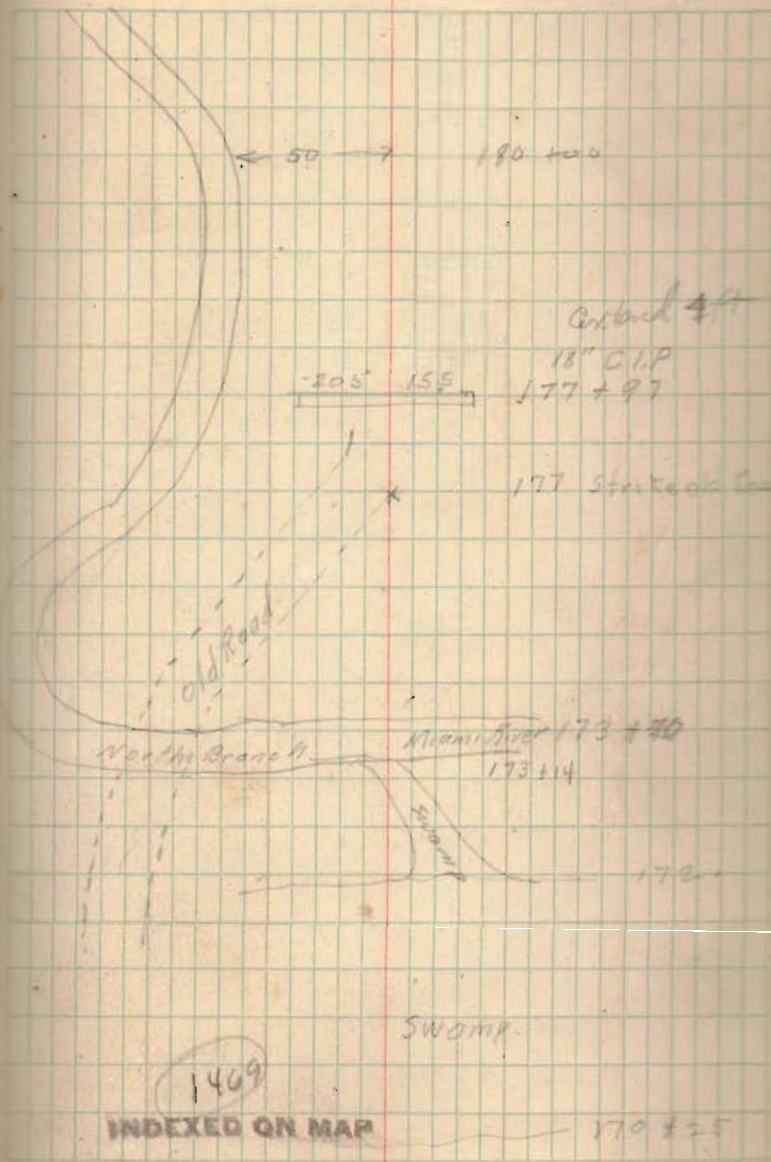
$\frac{17}{37}$

$\frac{22}{23}$

$\frac{30}{1.3}$

174 03.10

1000.95
10.03.16



11 C. N. 130-D

825
190

188 + 75 Drive

187 + 15 catc.

N 160° 43' W

188 + 00 catc

Smith

2'

stone

183 + 70.5 - road

N 160° 41' W

4000

110. N. 120-D

small camp

Res
191+50

197+75

197+75 Drive

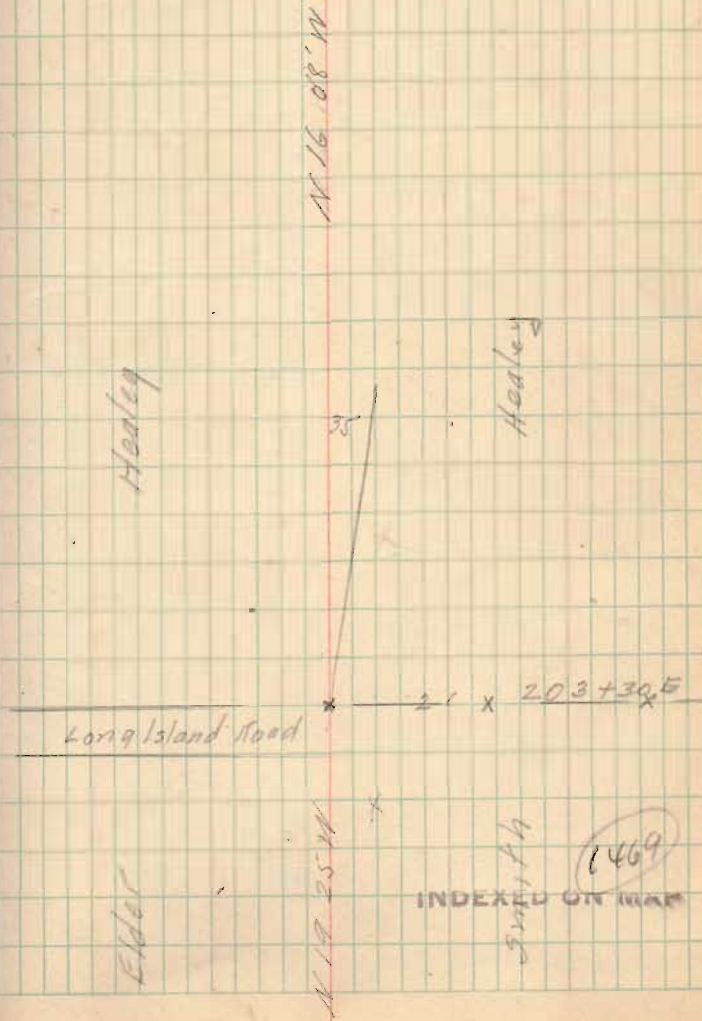
196+75 Gate

195+75 Gate

190+25 Gate

1469
INDEXED ON MAP

100 # 1130 D



D-021 R. 21

5" C.I.P.

$\frac{22' \quad 14' \quad 1}{1}$

310 + 6'
210 + 50

Barn
215 + 4

Res
213

gate.

1469

INDEXED ON MAP

1261130-D

Windham

Windham

~~125768~~

x

1R

223782

Land Line

1469

INDEXED ON MAP

110. 18.170-D

230770 Drive

230770 Calc

110
18.170-D

1469

INDEXED ON MAP

$\begin{array}{r} 344.58 \\ 2234 \\ \hline 2578.56 \end{array}$
 110.11.130

$\begin{array}{r} 232.34 \\ 689 \\ \hline 239.23 \end{array}$

$\begin{array}{r} 232134 \\ 7446 \\ \hline 234.786 \end{array}$

Stack
239+190

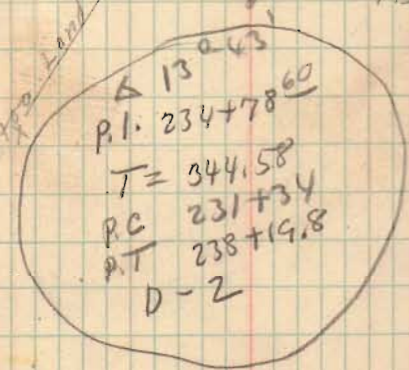
239+196 PT

N 20° 51' 12" W

1343'

$\Delta = B^{\circ} 43'$
 $D = 2^{\circ}$

232134 Land Line



P.I. 234+78
 T = 344.58
 Z / 100.12

Gate

141.20
 20.65

1469

P.C. 232+34

INDEXED ON MAP

1. c. W. 130 p

Hardin Co.
 240 + 135
 Logan Co.

County Line

1869
 INDEXED ON MAT

1087

164123.4

159 x 20

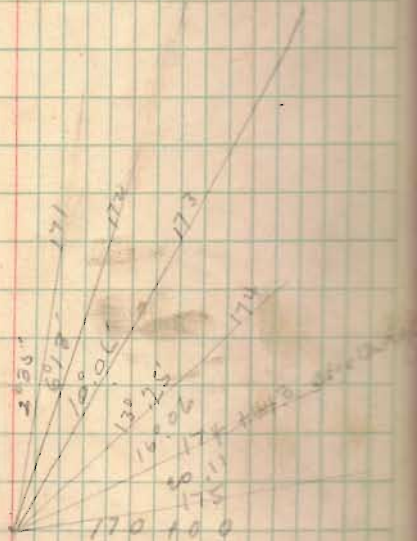
57°

sta. 174+21 2 ft south of North edge
of water.

900 bits 41' south of N edge of
water 110' West

mit 30' North of N edge of water
90 East

172+41 sand line



59°

178+253
= 176+95

30°

175+00 edge

C.H. 130

	1932	E.K. Bridge	Hugh Bayer	Richard Shultz	Bright Gossard	B.O. Downing	Chas. Downing	Ross Hattin	Ira Wickersham
Tues	4/22	1	1	1	1	1	1	1	1
Wed	23	1	1	1	1	1	1	1	1
Thurs	24				1	1	1	1	1

Lunch	Paid By	Livery	stages	Work
40 ⁹⁵	Bridge			Moments 130 Sec. D
45 ⁴	"			500-2X1 Logan Co. 130 " D
				130 " D

10.4.2.32 Bridge 208+50

			Grade
N.M. rail 2nd sp.	5.45 102.87	5.45	98.42 88.33
Dr. Floor		4.45	99.42
East N		4.62	99.25 88.33
N. West Way sth		5.84	98.01 88.33
Channel		11.63	92.24
SE stump 1pm.		7.25	96.62 88.33
Bot. Ring.		2.87	100.00

10074
445
105.19
5.45
99.74

2.41
7.81
10.51

88.33
12.87
100.74 : 87
99.02
1.32

10.09

10.92

9.68

7.29

100
3.87
103.87

50' Girder Sta 173 + 31

181

1042.16

10497

NW	3.51	101.46	92.92	8.54
NE	282	101.15	92.92	8.23
SE	321	101.76	92.92	8.84
SW	328	101.69	92.92	8.77
	800	96.97		
Brace Posts	0.32	104.65		

025
104.90

554 99.36 92.92 6.44

0.31
104.96

0.31
94.92 10.04

104.65
105.06

104.65

481 100.24 92.92 2.32

104.70
05

482
834
131.6

92.92
9054
2.35

96.97
42.92
5.05

104.90
11.45
93.45

105.05
92.92
12.13
7

0.34

105.00
12.75
92.25

Culvert 127+14

Center Rd 4.7
 Ditch East 9.8
 side Ditch 9.0
 side Ditch 10.4

Culvert 30+42

Cent Rd 5.1
 East 10.6
 side Ditch 9.4
 Ditch W. 10.7

Grade Cut

Q Rd	100.00	483 ✓	95.17	
East		8.80	91.20	91.70
West		9.80	90.20	
side Ditch W		9.29	90.71	
Top West		7.51	92.49	
Top East		7.81	92.19	
stk East		7.16	92.84	91.60 1.24
stk West		6.30	93.70	92.16 1.54

9 9"
 9 9"
 $\frac{3.50}{9.33}$

7.66
 4.83
 2.83

37
 19
 56
 91.60
 92.46

91.88
 3.50
 95.38

108.09

N.E. seat	4.95	103.14	
N.W. seat	4.88	103.21	
S.W. seat	4.90	103.19	made 103.18
S.E. seat	4.92	103.17	
B.N.	108.09	3.44	104.65
^{S.E.} Top of wing	2.51	105.58	
	7.41	set nail in piling	100.68

491
21
7.41

33/1.0 1033

69 $\frac{13}{39}$

170

Alw. Trade Centre Floor

Top stake E 18'	637	73.63	92.34	C 1.24
Chain East	7.68	92.32	92.0	
Chain center	8.98	90.02	91.5	
Chain west	9.15	90.85	91.0	
Top west 25'	762	92.38	90.310	2.07

493 95.07

60 ft span = 5200
 30 ft span 4000

O.T.P.
 347

226 I.P. Andrews A. Line

EITH'S RAILROAD CURVE TABLES.

Published by KEUFFEL & ESSER CO., New York.

Entered according to Act of Congress in the year 1883,
 by W. Keuffel & H. Esser, in the office of the Librarian of Congress,
 in Washington, D. C.

Copyright, 1902, by Keuffel & Esser Co.

HOW TO USE KEITH'S TABLES.

EXAMPLE.

Wanted a Curve with an Ext. of about 12 ft. Angle
 of Intersection or I. P. = $23^{\circ} 20'$ to the R. at Station
 542+72.

Ext. in Tab. IV opposite $23^{\circ} 20' = 120.87$
 $120.87 \div 12 = 10.07$. Say a 10° Curve.

Tan. in Tab. IV opp. $23^{\circ} 20' = 1183.1$
 $1183.1 \div 10 = 118.31$.

Tab. V correction for A. $23^{\circ} 20'$ for a 10° Cur. = 0.16
 $118.31 + 0.16 = 118.47 =$ corrected Tangent.

(If corrected Ext. is required find in same way)
 Ang. $23^{\circ} 20' = 23.33^{\circ} \div 10 = 2.3333 =$ L. C.

$2^{\circ} 19\frac{1}{2}' =$ def. for sta.	542	I. P. = sta.	542+72
$4^{\circ} 49\frac{1}{2}' =$ " " "	+50	Tan. =	118.47
$7^{\circ} 19\frac{1}{2}' =$ " " "	543	B. C. = sta.	541+53.53
$9^{\circ} 49\frac{1}{2}' =$ " " "	+50	L. C. =	2.33.33
$11^{\circ} 40' =$ " " "	543+	E. C. = Sta.	543+86.86
	86.86		

$100 - 53.53 = 46.47 \times 3' (\text{def. for 1 ft. of } 10^{\circ} \text{ Cur.}) = 139.41' =$
 $2^{\circ} 19\frac{1}{2}' =$ def. for sta. 542.

Def. for 50 ft. = $2^{\circ} 30'$ for a 10° Curve.

Def. for 36.86 ft. = $1^{\circ} 50\frac{1}{2}'$ for a 10° Curve.

(These tables are published in Field Books of
 KEUFFEL & ESSER CO., New York, N. Y.)

