

U. S. F. S.

Traverse & Corners

T 57 N

R 25 W

4<sup>th</sup> P.M.

Book # 2

T 57 N R 25 W Book # 2

# 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.

*T 57N R. 25W 4<sup>th</sup> Principal Mer.*

0	5	10	15	20	25
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
29	30	31	32	33	34
37	38	39	40	41	42

*Handwritten notes on grid:*  
 5' 3" 38  
 7' 1" 12  
 13' 4" 42  
 14' 6" 46  
 37.7 45.7

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

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  $30.6 + (20 - 16) \div 2$  or 2 ft. added to 30.6 = 32.6. For slopes of 1 on 1½ see inside of back cover.

Copyright, 1914, by Eugene Dietzgen Co.

The paper stock of this book is made of a high grade 50% rag paper having a water resisting surface and is sewed with Bing Special Enamel Waterproof Thread.

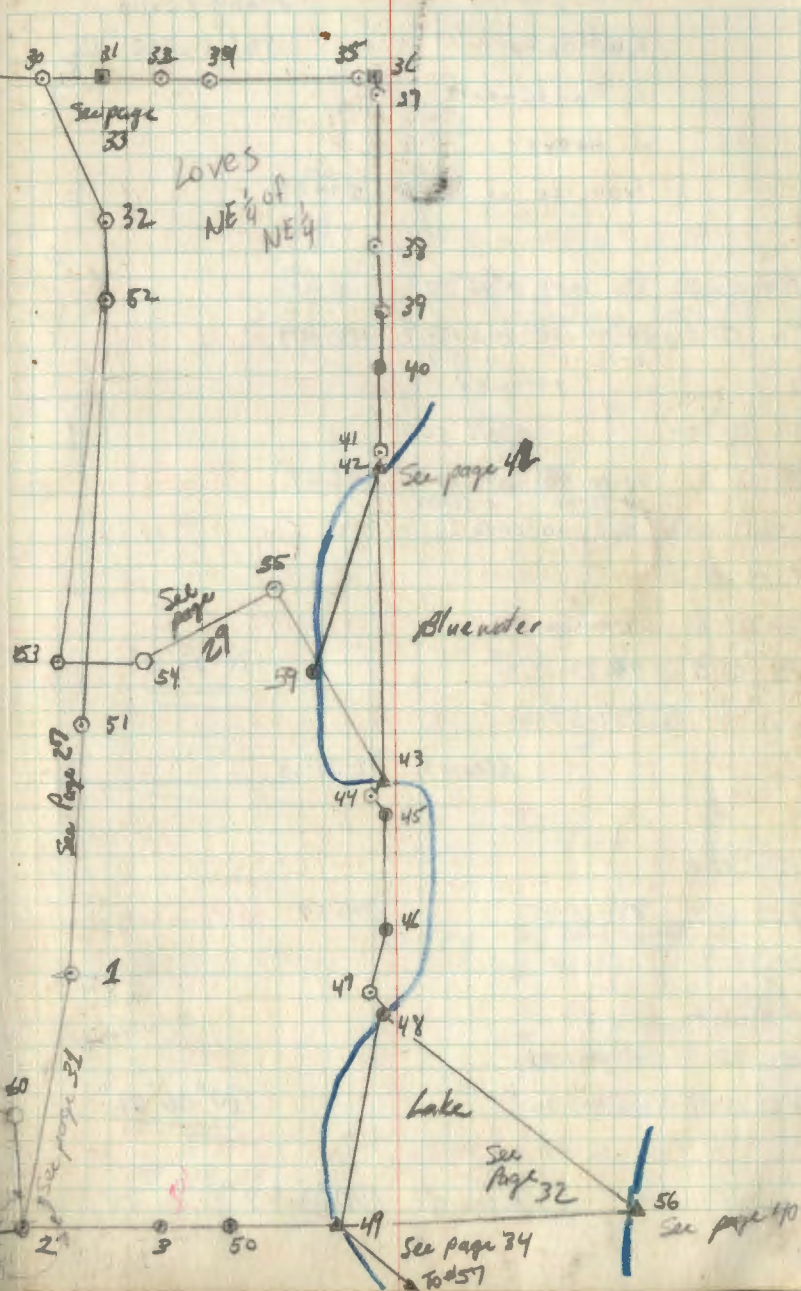
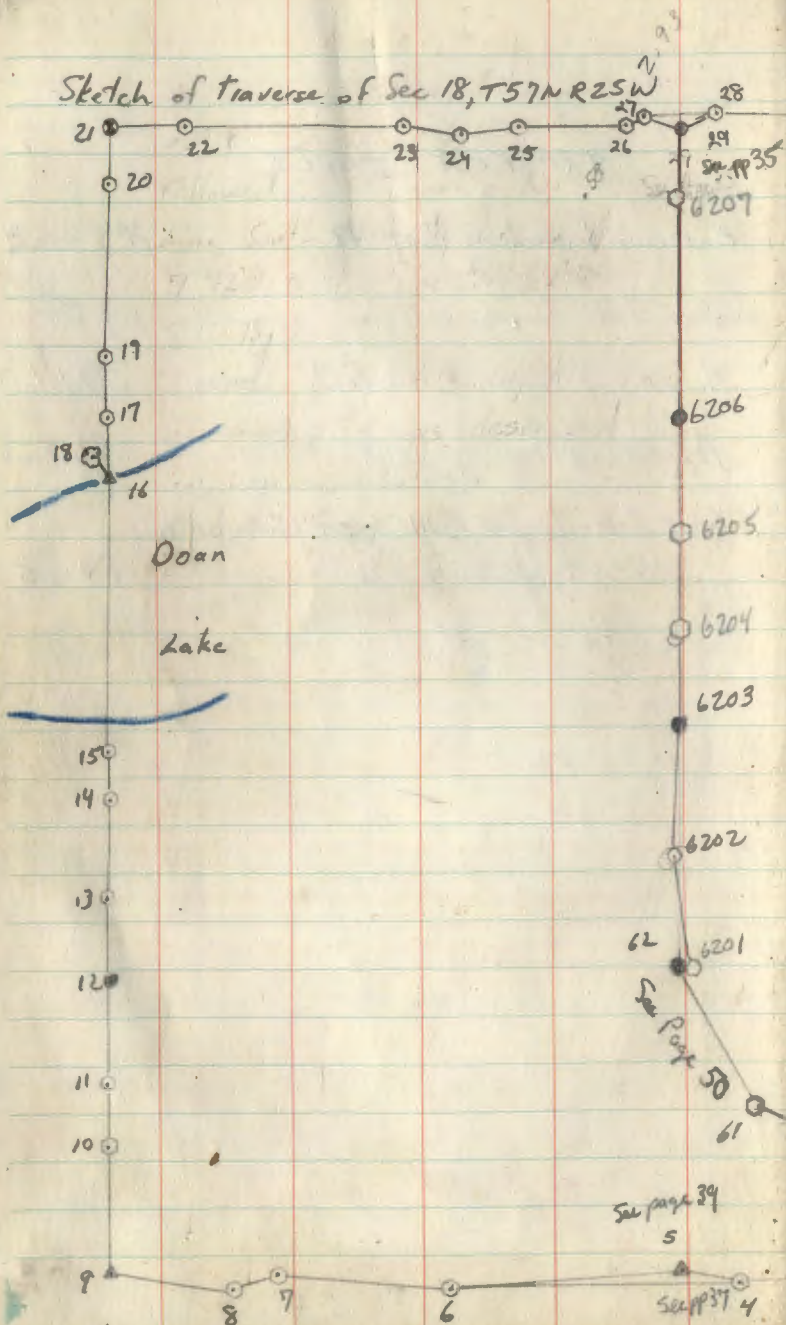
Made in U. S. A.

*Handwritten notes:*  
 N 10½° E Summit  
 3° E decl N 15° E Silva  
 4½° E decl N 14½° E Lietz

## TRAVERSE INDEX

Exterior boundary Sec. 18	pp 1 thru 34
Spur trav to CS $1/16$	pg 50
Adam's Exchange Property Corners	59 + 60
Angles @ Property corners to Lines	62, 63, 66, 67
Spur trav to set SMC on the north side of Doan Lake	64-65
Traverse from CS $1/16$ N. to N $1/4$	73-76

Sketch of Traverse of Sec 18, T57N R25W



4-19-82

K. Whitehorn

T. Suddendorf

J. Hoover

Traverse of See 18-57-25

Sunny / calm  
39° / 29.65" Hg

TB 02      0°16'30"  
 To 01    89°44'12"    270-17-12    1037.57    1037.56  
           0-15'48"      0-17-12  
           --0-01-24

TB 02      0°37'50"  
 To 03    90-22-40    269-23-00    592.24'    592.20  
           0-38-46      0-37-00  
           0-01-40

TB 02  
 BS 01    0-00-00  
 FS 03    0-74-29-12  
 ① 277-57-00

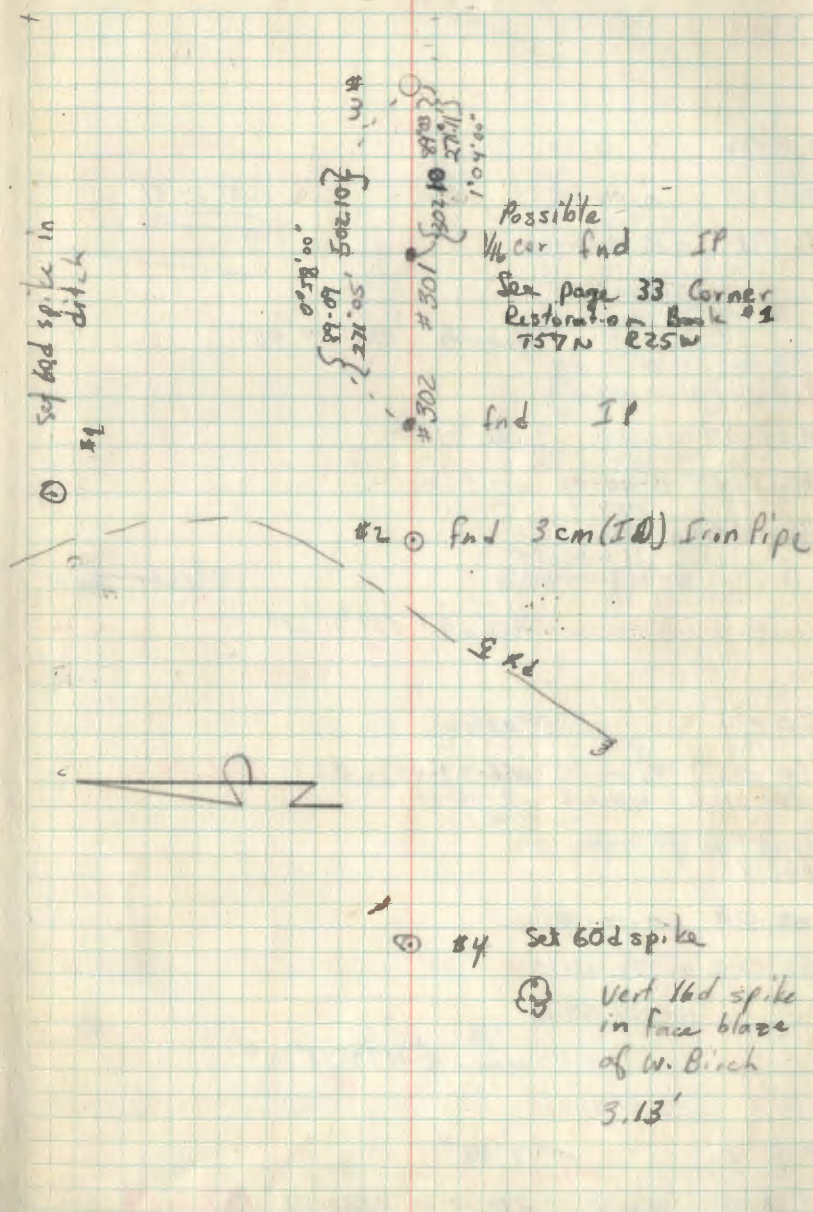
Mean 4    77-29-15

TB 02  
 To 04    89-26-45      609.57'    609.56

TB 02  
 BS 03    0-00-00  
 FS 04    0-180-06-09  
 ① 0-24-55

Mean 4    180°06'14"

✓ OK for 11-15-82



1802

BS 04 0-00-00

IS 01 105-25-00

61-39-05

Mean  $\Delta$   $105^{\circ}24'46''$

USE  
 $105^{\circ}24'41''$

\* 1804

Side Shot

BS 02 0-00-00

IS 05 179  
179-31-35  
358-05-55  
358-06-00

S $\frac{1}{4}$  Cor Co.  
Mon

Mean  $\Delta$   $179^{\circ}31'29''$

1804  $3^{\circ}03'13''$

TO 05 93-04-06 256-57-40 383.33 382.79  
3-04-06 3-02-20  
-0-01-46

1809

BS 02 0-00-00

IS 06 179-43-25

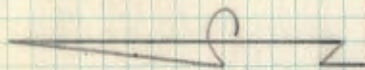
358-54-15

Mean  $\Delta$   $179^{\circ}43'34''$

1804  $0^{\circ}19'43''$   
 $89-40-18$

TO 6 89-41-05 270-20-30 1560.17 1560.14  
0-18-55 0-20-30  
0-01-35

✓ OK OK 11-15-82



#4

See page 38, This Book  
6-8-82  
K. Whiteh. &  
T. Suddendorf  
558 29.70" Hg  
177-10-59  
177-10-42 to BT  
354-24-18 } Corner  
92-12-48  
79-12-54 162.87  
262-47-00 162.60  
old pine stump 16'  
diam prob orig  
BT to W.C.  
1797 ft to W.C. from center  
401

#5 S $\frac{1}{4}$  Cor  
County Monument  
In Swamp & open water  
See page 39, This Book

#6

\* 12° / 29.65" Hg

1801 Side Shot

BS 04 0-00-00

FS 05 0-07-50 0-04-00

① 0-19-00 0-15-30

Mean  $\angle$  0° 03' 53"

1802

TO 05 71-12-06 ~~268-50-05~~ 1177.64 1177.37

1-18-06 1-09-55

0-58-11

1806

BS 04 0-00-00

FS 07 0-180-10-42

④ 0-42-12

Mean  $\angle$  180° 10' 33"

1806

1° 07' 33"

TO 07 71-09-20 268-53-15 657.00 657.87

1-08-20 1-06-45

0-01-35

1807

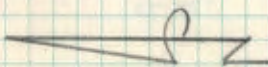
BS 06 0-00-00

FS 08 0-178-14-30 177-14-30

④ 177-43-42 348-57-54

Mean  $\angle$  177° 14' 29"

✓ OK Pl. 11-15-82



Vert 16d  
nail in face  
blaze Twin  
white Birch  
9.75

⑥ #6  
set 6d  
spike  
in old trail

⑥ Vert 16d nail  
in face blaze  
Maple Clump  
8.66'

⑦ set 6d spike in old  
trail

⑥ 14.93'  
Vert 16d nail  
in base blaze  
Ash.

⑥ Vert 16d spike  
in base blaze  
B. of S.  
10.66'

44° 29.60' Nq

AB 08

0° 05' 00"

To 07

90-06-55 269-55-55  
0-05-55 0-04-05  
0-1-50

329.72 329.73

AB 08

BS 07

0-00-00

FS 09

187-38-00

18-32-05

Mean  $\frac{1}{2}$  184° 38' 01"

AB 08

1° 16' 03"

To 09

88-44-54 271-17-00  
1-15-08 1-17-00  
0-1-54

453.02 452.91

AB 09

BS 08

0-00-00

FS 010

267-27-12

357-47-00

Mean  $\frac{1}{2}$  269° 27' 15"

45° E 29.55' Nq

AB 010

0° 11' 45"

To 09

90° 12' 30" 269-49-00  
0-12-30 0-18-00  
0-1-30

577.82 577.82

✓ OK Cr. 11-15-82

⊙ #8 Set 60d spike

⊙ Vert 6d nail  
in base blaze  
w. Birch  
6.64'

Dead Stump

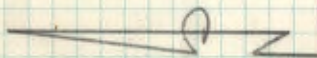
⊙ 288° 26'  
from #8  
40.15'

See Page 2 Book # 1  
and Co. Mon  
T57NR22W.

#9 #1719 BT

⊙  
x  
x  
x

⊙ Dead  
Stump  
blaze visible  
88° 32' from  
#8 26.35'





78010

BS 09 0-00-00

FS 011-0 ~~177-06-18~~ 172-06-12

④ ~~351-25-06~~ 348-24-54

Mean  $\bar{x}$  177°06'14"

78010 0°36'25"

TO 011 90-57-20 267-24-30 261.61 261.60

0-37-20 0-35-30

0-1-50

78011

BS 010 0-00-00

FS 012 ~~181-32-42~~ 182-33-00

④ ~~9-11-48~~ 10-12-12

Mean  $\bar{x}$  182°33'03"

45° F 29.60° Hg

78012 0°10'18"

TO 011 87-50-30 270-11-06 478.70 478.70

0-09-30 0-11-06

0-1-36

✓ OK Gr. 11-15-82

① #10 Set God spike

3.65' to Vert  
Nail in base  
black Wr. Birch

② 20.25' to Vert nail  
in base black Big  
L. Pike



③ #11 Set God spike

④ 16.24' to Vert  
nail in base  
black Wr. Birch  
with Maple wrapped  
around it.

TO 012

BS 011 0-00-00

FS 018 183-44-24 ~~175742~~

③ 14-57-12

Mean  $\neq$  183°44'18"

TO 012 0°41'15"

TO 013 89-19-30 270.42-00 376.92' 376.89'  
0-40-30 0-42-00  
0-2-0

TO 008

BS 012 0-00-00

FS 014 176-50-30

③ 377-21-12

Mean  $\neq$  176°50'18"

43% 25.55" Ng

TO 014 269°46'54"

TO 013 90°14'55 0°14'00"  
0-14-55 0-13-06 414.29 414.29  
0-1-47

✓ OK for 11-15-82

12.85 to #12  
16d vent nail in base blaze  
Maple (Red) 14.20' to Maple  
Find 3/4" SP Pass 1/16  
Car from County Spoke  
See page Book # 2  
T50N R27W



③ 13.65' to vent 16d  
nail in base blaze  
Big N. Spruce

③ #13 Set 60d spike

15.05' to vent ③  
16d nail in  
w. Birch

Aug 14  
55 13 0-00-00

To 15 @ 180° 07' 06"

⊙ 0.27 18"

Mean \* 180° 06' 50"

Aug 14

6° 42' 27" ✓

To 15 6° 43' 24" 263° 18' 30" 241.52' 239.87

VOK Hk. 11-15-82

⊙ #14 set 60d spike  
⊙ 3.02' \*  
Vert 16d nail  
in Ash

⊙ 6.64' to  
16d Vert nail  
in W. Birch



⊙ #15  
See page 8  
this book

4/20/82

Sunny / Breezy

K. Whitcomb

T. Suddendorf

J. Hoover

R. Meyer (YACC)

T60D #158827

Lietz Ref 1A #

Lietz Prisms 30 mm Constant

40°F 29.80" Hg

TB 015

AS 014 0-00-00

BS 014 177-12-19

④ 348-48-54

Mean  $\angle$  177°12'14"

TB 16 0°17'21"

TS 15 89-43-42 270-18-24 1282.13 1282.11

TB 016

AS 015 0-00-00

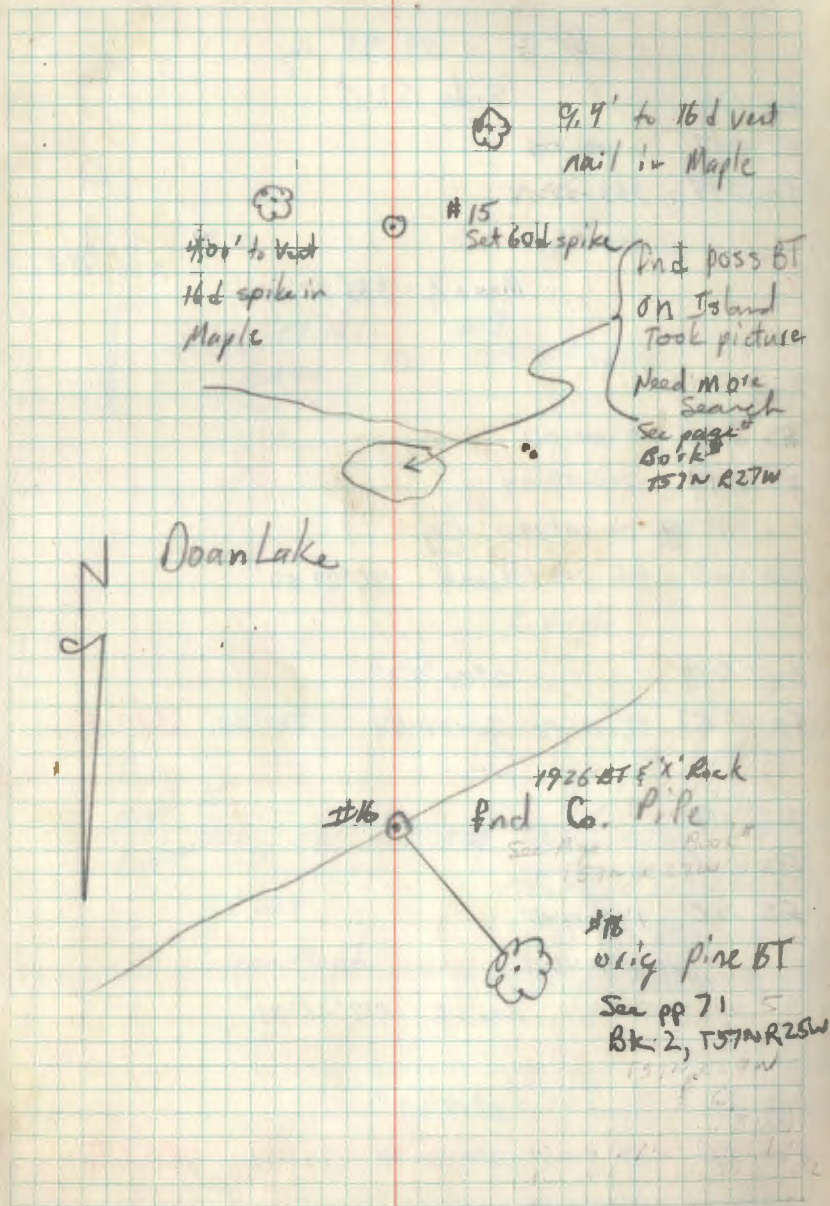
FS 017 181-37-12 6-28-54

④ 6-28-54

Mean  $\angle$  181°37'14"

TB 16 6°30'18"

TS 17 83-30-30 276-31-06 241.07 239.52



\*  
 TB 016  
 BS 017 0-00-00  
 TO 018 ① 333-57-74  
 ② 307-14-30  
 Mean  $\angle$  333°37'15" ✓  
 18.29' chkd  
 to face of BT

TB 017  
 BS 016 0-00-00  
 FS 019 ① 180-09-54  
 ② 0-39-19  
 Mean  $\angle$  180°09'50" ✓

TB 019 2°01'57" ✓  
 TO 017 92-02-48 267-58-54 270.60 290.42

TB 019  
 BS 017 0-00-00  
 FS 020 ① 179-56-48  
 ② 359-46-12  
 Mean  $\angle$  179°56'33" ✓

TB 019 0°19'48" ✓  
 TO 20 89-40-54 270-20-30 740.66 780.65

✓ OK Acc. 11-15-82



③ 6.67' to  
 Vent 16d  
 nail in  
 S. Maple

④ #17  
 set 60d spike

⑤ 10.27' to Vent 16d spike  
 in base blaze Twin  
 R. Maple

Ties  
 might be  
 Backsight

⑥ 4.27' ① #19  
 16d vent  
 Sugar Maple

⑦ 11.21' to Vent 16d  
 Maple

⑧ #19. Set 60d spike

(Backsight pulled before)  
 \* B 20 could be  
 turned poss bad  $\angle$   
 returned!

41° F

29.70 " Hg

T @ 20

BS @ 19 0.00-00

FS @ 21 180-~~2~~-36 180-09-42

720-38.54

Mean  $\pm$  180° 09' 44"

T @ 21

1° 23' 42"

To 20 88-37-06 271-~~2~~-30<sup>24-30</sup> 391.49 391.39

T @ 21

BS 20 0.00-00

FS 22 269-53-48

759-34-48

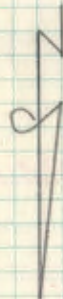
Mean  $\pm$  269  
189° 53' 42"

T @ 21

1° 52' 39"

To @ 22 88-<sup>11-30</sup> 17-54 271-56-48 391.54 391.33

VOK #6 11-15-82

#20  
Set 60 spike7.44 to 16d  
Vent nail in E.  
Maple5.65' to Vent  
nail in R. Maple

#21

And GLO Brass Cap

Sec Co  $\frac{12}{19}$  757N

R25W R25W

See Page 7  
Book # 1  
T51N R25W

43° 29.70" N<sub>g</sub>

18022

BS 04 0-00-00

FS 023 180-22-18

④ 1-25-24

Mean  $\angle$  180°22'06"

18023

0°41'06"

TO 022 89-26-06 270-48-18 1022.20 1022.13

18023

BS 022 0-00-00

FS 024 189-29-48

④ 37-58-30

Mean  $\angle$  189°29'38"

18023

0°42'30"

TO 024 90-45-54 267-20-54 156.43 156.42

✓ OK 16 11-15-82

④ #22 set 60 d nail

☼ 9.92' to  
Vent 16d nail  
in R. Maple

☼  
4.91' to 16d  
Vent nail  
in W. Birch

edge

④ #23 set 60d spike  
☼ 15.05' to  
Vent 16d nail  
in twin  
W. Birch

☼ 26.80 to 10d Vent  
nail in Balsam



3000 11-15-82

45° F 29.75" Hg

TB 24

BS 023 0-00-00

FS 025 162-19-24

① 289-17-18

Mean  $\bar{x}$  162° 19' 20"

TB 025

TS 024 84-00-12 276-14-06 245.81 244.41

6° 06' 57"

TB 025

BS 024 0-00-00

FS 026 188-~~54~~<sup>55</sup>-46

① 35-42-54

Mean  $\bar{x}$  188° 55' 44"

TB 025

TS 026 80-13-24 269-48-12 481.22 481.22

0° 12' 36"

✓ OK Pt. 11.15.02

S 09° E

Most easterly Ash  
on top of knot

824  
set (od)  
spike

S. 53° E  
Lone R. Pine  
in clear  
cut area

edge of clear cut

☉ Birch with  
Ash in crotch  
34.80 to 16 d  
nail + vent in  
blaze 6' high

☉ Ash with  
N 74° E nice new  
clear feeder on  
south face

① 825  
set (od) spike

☉ 85.70 to  
Vent 16 d nail in  
W. Spruce

edge of swamp





46° F 27.70 " Hg

78 26

BS 025 0-00-00  
27

FS 027 180-~~27~~-00

④ 148-42

Mean  $\bar{x}$  180° 27' 11"

78 27

To 26 100° 40' 48" 259° 29' 00" 102.55

6-14-82 100-12-30 259-47-15 102.45

10° 12' 38" ✓  
100.8141

78 27

BS 26 0-00-00

FS 28 177° 39' 54" 280° 38' 42"

④ 350° 38' 42"

Mean  $\bar{x}$  177° 39' 41"

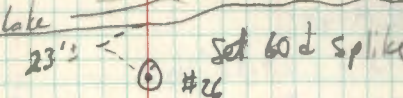
78 27


To 28 97° 19' 30" 272° 43' 00" 303.54 ✓


6-14-82 92-42-42 267-17-06 303.50


90-42-40  
303.1593

✓ OK OK 11-15-82


edge of lake  
23'  set 60 d spike #26

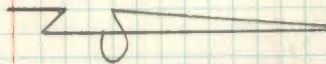
  
19.84' to  
16d vert nail  
in R. Pine

 16.07' to  
16d vert  
nail in Red  
Pine

  
10.65' to  
Vert 16d nail  
in R. Pine  
with Barbed wire  
from old fence in  
north face

④ #27  
set 60d spike  
Top of Ridge  
12.55' to  
Vert 16d spike  
in Twin Birch  
w

  
20" Red line  
with Barbed  
wire, pass  
BT (1919)



4/21/82

Sunny/Breezy

K. Whitehorn, J. Hoover T. Suddendorf

R. Moyer

T 43°F 29.90" Hg

T60D #158827 Lidz Red 1A

Lidz Prism 30mm Constant

\* TB 027

BS 028 0-00-00 0°00'00" Side shot

FS 029 0-34-30 0-12-54

① 1-36-06 0-51-14

Mean  $\angle$  0°12'50"

TB 027

1°12'42"

To 029 91-11-54 268-46-30 212.61 ~~212.51~~

6-14-82 90-44-15 269-15-15 212.48

Side shot 212.56

\* TB 028

BS 027 0-00-00

FS 029 359-31-42

① 358-06-06

Mean  $\angle$  359°31'32"

TB 028

12°30'36" ✓

To 029 102-31-36 257-30-24 92.79 92.75 92.76

6-14-82

200-26-00 257-34-15 92.33

92.77

90.56 ~~90.69~~

✓ OK OK 11-15-82

(4)

① #27

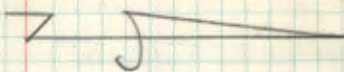
See page 13

See Page 35 this Book

① #29 find 1 1/2" SP in post hole  
probable Co. 1/4 corner  
at toe of slope

① #28

See page 15



TB 028

BS 027 0-00-00

FS 030 180-23-18

① 1-32-54

Mean  $\angle$   $180^{\circ}23'14''$

TB 030

TO 028 87-58-30 272-09-48

87-54-21

$2^{\circ}05'39''$

927.37'

926.75

TB 032

BS 028 0-00-00

BS 031 180-01-30

④ 00-05-48

Mean  $\angle$   $180^{\circ}01'27''$

$180^{\circ}01'28''$

TB 030

TO 031 93-50-30 266-18-00

94-27-06

269.63

268.5166

$3^{\circ}46'15''$

269.41'

268.82

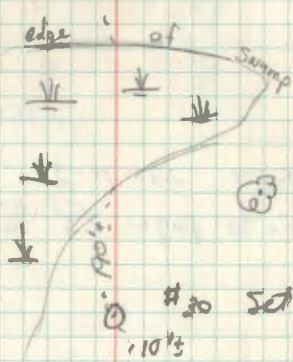
268.8217

✓ OK Bk 11-15-82

③ 10.36' to Vent 10d nail  
in W. Birch

④ 9.50' to  
Vent 16d nail  
in poplar

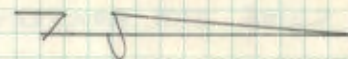
#28 Set God spike  
Top of Hill



⑤ 8.05' to Vent 16d  
nail in W. Birch  
Swamp

#30 Set God spike  
10 1/2'

⑥ 9.05' to Vent  
16d nail in  
Small poplar  
sapling



49° F

29.70" Hg

AB 30

BS 032 0-00-00

FS 028 105-41-48

④ 62-46-30

Mean  $\checkmark$  105° 41' 39"

105° 41' 40"

AB 30

TO 032 88-56-24 271-18-30

1° 11' 03"

719.90' 719.65

Go to page 28 for stub south

AB 030

BS 031 0-00-00

FS 032 74-16-54

④ 297-07-24

Mean  $\checkmark$  74° 16' 51"

74° 16' 52"

TO CLOSE THE HORIZON.

✓ OK Gr. 11-15-92

#32 Set 60' spike  
49.5

43.3 to vert

16' nails in

apple

675 to

nail in

Power pole

8  
96  
2



53° F 29.9" Hg

π @ 031

BS @ 30 0-00-00

FS @ 33 179-55-30

① 359-41-42

Mean  $\frac{1}{2}$  179° 55' 26"

π @ 033

π @ 31 96-16-30 263-58-30

$\left. \begin{matrix} .33 \\ .33 \\ .32 \end{matrix} \right\} 6^{\circ} 09' 00''$   
277.31 } 277.32

~~275.72~~

π @ 033

BS @ 31 0-00-00

FS @ 31 179-59-06

① 359-56-06

Mean  $\frac{1}{2}$  179° 59' 02"

π @ 33

π @ 34 83-44-30 276-20-12

$6^{\circ} 22' 51''$   
223.49 222.11

~~221.78~~

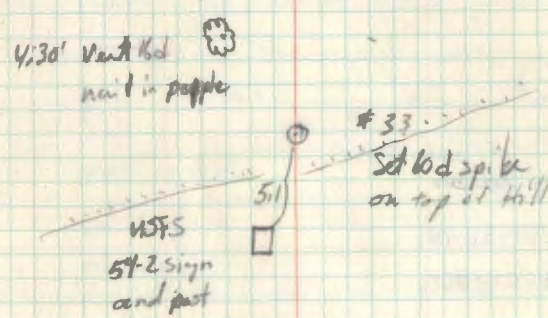
✓ OK Gr. 11-15-82

π @ 31

BS # 20 0° 00' 00" (1911) plate 1" deep  
102.55' 17.6" R. P. line 73-10-16  
11.37' 11.3" R. P. line 102-17-50 (1926)  
77.00' 11.9" R. P. line 112-10-00 (1941)  
63.25' 9.7" R. P. line 151-41-00 (1981)  
32.00' 14.9" R. P. line 299-40-20 (1926)  
Blaze 7" deep  
with scribe.  
Reverse Image

Set by R.D.O. 1981  
# 31  
Find USFS brass cap on  
2 1/2" I.P. along side  
1" I.P. with mushroomed  
IP on N side  
head used Brass cap  
for point, 1926 County 876

Set by R.D.O. 6-17-81



55° F

29.90" Hg

AB 34

BS 33 0-00-00

FS 35 180-07-18

④ 00-28-06

Mean  $\angle$   $180^{\circ}07'02''$ 

AB 35

TO 34 89-13-00 270-55-00

 $0^{\circ}51'00''$  ✓

708.84 708.76

~~708.43~~

AB 35

BS 34 0-00-00

FS 36 180-56-00

④ 3-44-30

Mean  $\angle$   $180^{\circ}56'08''$ 

AB 35

TO 36 106-33-54

253-41-12

 $16^{\circ}26'21''$  ✓

82.90

79.511

79.5125

~~107-37-57 252-17-48~~

17-40-03

~~77.5140~~~~83.45 chained~~

✓ OK OK. 11-15-82



10.15' to Vert  
16d nail in  
W. Birch

#35  
set 60d spike



10.35' to  
Vert 16d  
nail in  
W. Birch



51° F 29.90" Hg

NO 36

BS 035 0-00-00

FS 037 269-08-00

Q 356-12-42

Mean  $\angle$  269° 03' 11"

NO 37

41.7044 18° 24' 45"

TO 036 108-29-30 251-40-00 44.06' (41.821)

111-36-30 248-23-30 45.00 chained

21-36-30 41.8375

NO 37

BS 036 0-00-00

FS 038 179-25-06

Q 357-40-00

Mean  $\angle$  179° 25' 00"

NO 37

2° 09' 42"

TO 38 82-51-06 272-10-30 696.07 695.57

✓ OK Pl. 11-15-82

#36

Find USFS Brass cap with 1/2" IP along side

718  
1817 57-25

See page 7 Book #1

Corner Restoration  
T57N R25W



#37  
set Godspike 1.95'  
USFS Sign Post  
54-2 54-4  
5x5' to 10d vert  
Nail in thru N. Birch 4x blazed

13.35 to  
10d vert  
nail in  
W/B Birch

36 to 35  
chained  
85.35  
90.73 ft

51° F 29.90" Hg

KB 038

BS 037 0-00-00

FS 039 179-46-44

① 359-07-00

Mean  $\angle$  179°46'45"

KB 039

2°40'09" ✓

BS 038 87-27-00 272-47-14

313.10' 312.76

KB 039

BS 038 0-00-00

FS 040 179-52-00

① 359-27-24

Mean  $\angle$  179°51'51"

KB 039

8°39'21" ✓

BS 040 98-46-44 261-28-06

255.60 252.69

VOK Gr. 11-15-82

4.60' to  
Vent 16d nail  
in Popple snag

#38 Set 60d nail  
5.68'

USFS 54-2 sign & post

9.30' to Vent  
16d nail in  
Popple sapling

USFS 54-2 sign & post  
4.65' post

#39 Set 60d nail

9.84' To Vent  
16d nail in Popple

9.28' To 16d vent  
nail in popple





53° 29.90" Hg

TB 040

Bs 039 0-00-00

FS 041 180-00-27

④ 00-00-51

Mean ± 180° 00' 14"

TB 041

1° 00' 45" ✓

To 040 87-00-00 271-01-30 377.57 377.51

TB 041

Bs 040 0-00-00

FS 042 181-00-36

④ 4-02-00

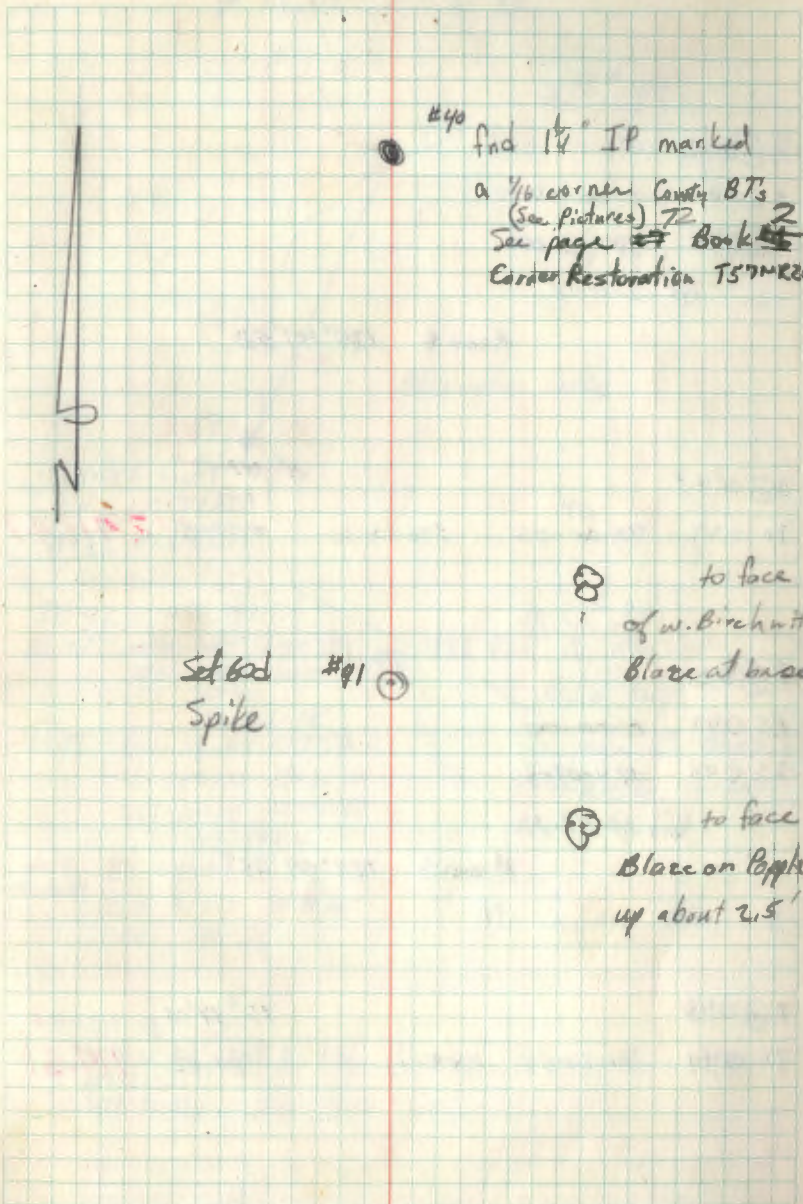
Mean ± 181° 00' 30"

TB 041

18° 11' 12" ✓

To 042 108-12-12 251-49-48 109.72 109.29

VOK Cr. 11-15-82



#40 find 1/4° IP marked  
 a 1/16 corner County BTs  
 (See pictures) 22  
 See page 27 Book 2  
 Corner Restoration T59MR25W

Set back #91  
 Spike

#92 to face  
 of w. Birch with  
 Blaze at base

#92 to face  
 Blaze on Poplar  
 up about 2.5'

48° F 29.90" H<sub>2</sub>

AB042  
BS041 0-00-00  
FS043 780-48-00  
④ 3-11-18

Mean  $\angle$  180° 47' 50"

90-01-48

~~0-07-18~~

AB043  
T0042 90-08-06 270-05-30 1413.47  
1413.45 1413.47

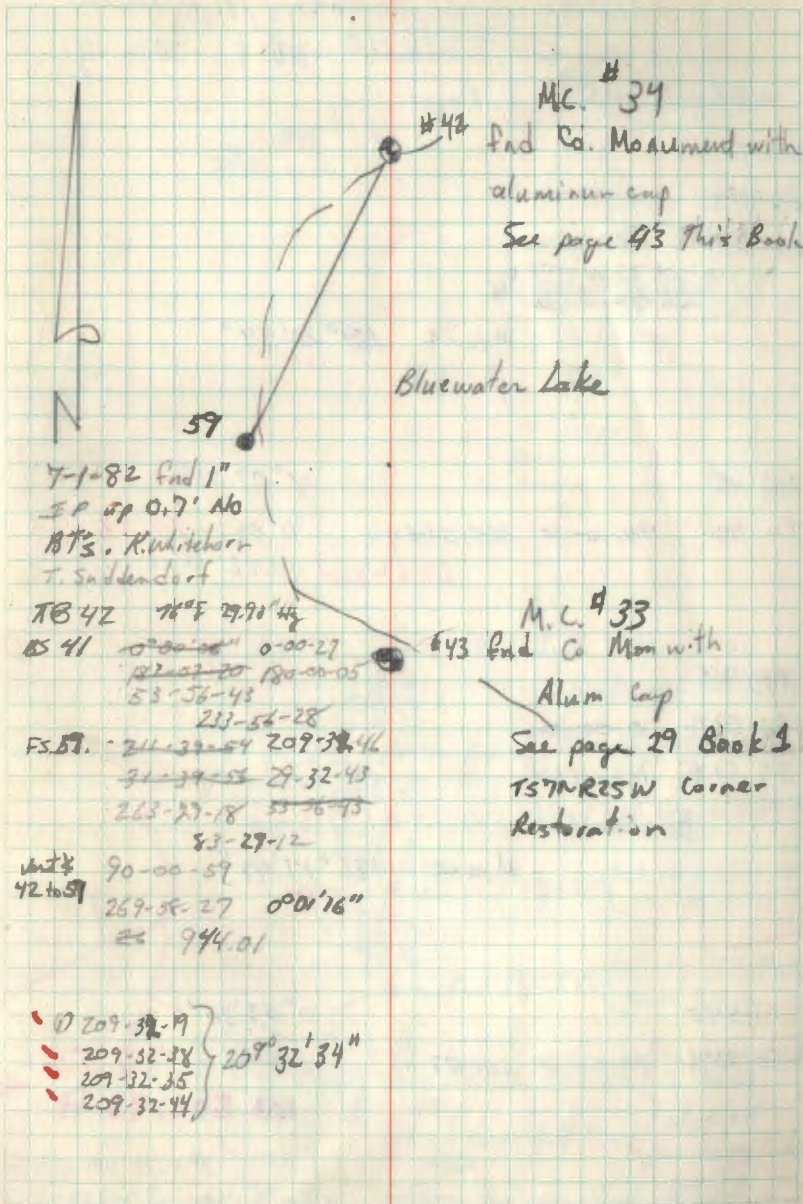
AB043  
BS042 0-00-00  
FS044 184-09-30 16  
④ 16-57-30

Mean  $\angle$  184° 09' 23"

A See page 31

AB043 15° 34' 05"  
T6044 74-24-54 285-43-00 119.02 114.61

✓ OK GR. 11-15-82



59

AB42 78° F 29.90" H<sub>2</sub>

BS41 0-00-00 0-00-27  
182-07-20 180-00-05  
53-56-43  
233-54-28

FS57. 211-32-54 209-32-46  
31-34-55 29-32-43  
263-27-18 33-26-43  
83-29-12

Unit  $\angle$  90-00-59  
42 to 59 269-56-27 0° 0' 16"  
= 944.01

4/22/82

Sunny / Light Breeze

K. Whitehorn, T. Suddard 55' F 30.00" Hg

J. Hoyer, R. Mayer

AB @ 44

BS @ 43 0-00-00

FS @ 45 169-27-00

④ 317-47-48

Mean  $\angle$   $169^{\circ}26'57''$

AB 45

$4^{\circ}09'03''$

TO 44 94-10-00 265-51-54 91.06 **90.82**

618-82 KLV 90.82 chd

AB 45

BS @ 44 0-00-00

FS @ 46 186-18-00

④ 25-11-12

Mean  $\angle$   $186^{\circ}17'48''$

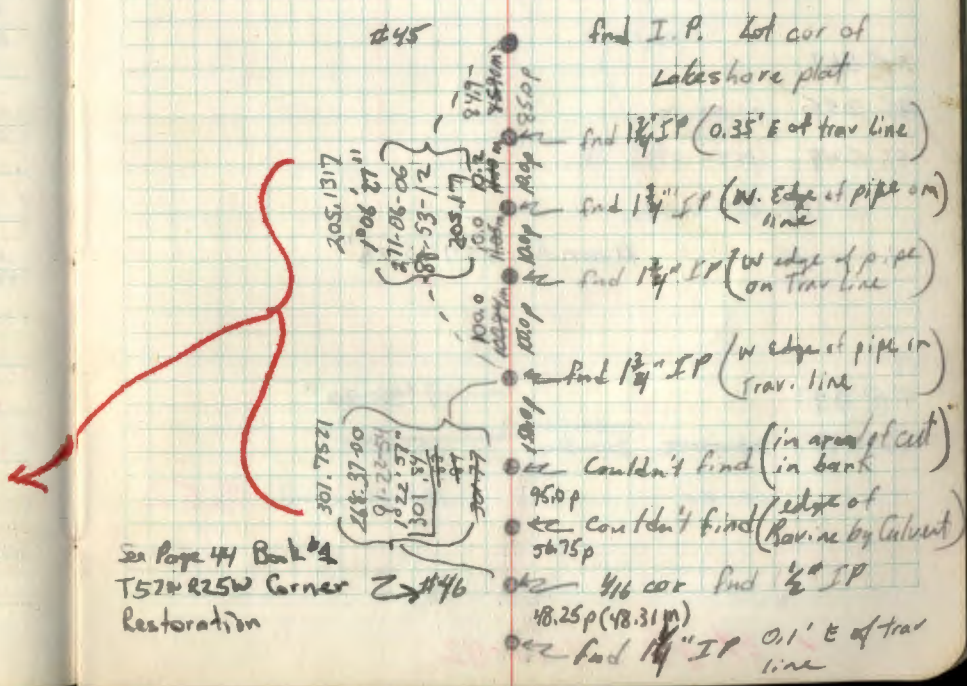
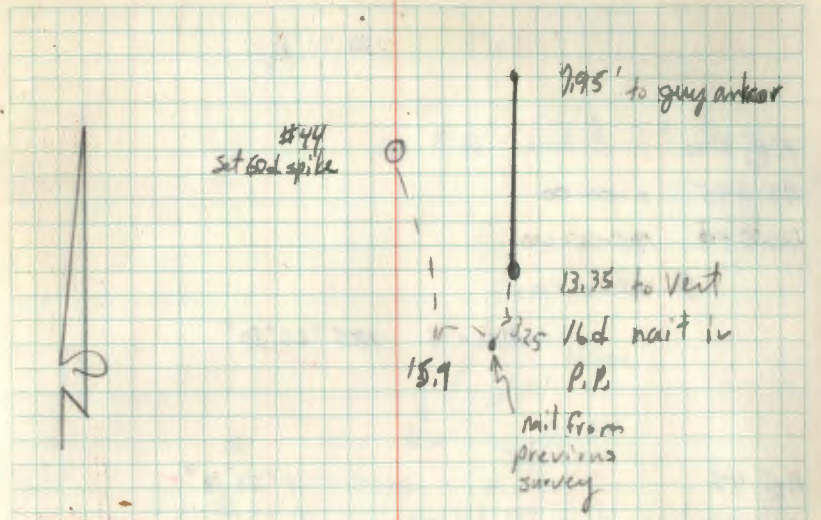
AB 45

$0^{\circ}53'30''$

TO @ 46 90-54-30 269-07-30 506.64 **506.58**

**ME 506.73 ft**

✓ OK Lk. 11-15-82



See Page 44 Book #4  
T57W R25W Corner  $\rightarrow$  #46  
Restoration

find I.P. lot cor of Lakeshore plat  
 find 1 1/2" IP (0.35' E of trav line)  
 find 1 1/2" IP (W. edge of pipe on line)  
 find 1 1/2" IP (W edge of pipe on trav line)  
 find 1 1/2" IP (W edge of pipe on trav line)  
 Couldn't find (in area of cut) (in bank)  
 Couldn't find (edge of Ravine by Culvert)  
 1/16 cor find 1/2" IP  
 48.25p (48.31p)  
 find 1 1/2" IP 0.1' E of trav line

54°F 29.90"  $\frac{1}{2}$ "

AB 046

BS 045 0-00-00

FS 047 185-26-42

④ 21-46-00

Mean  $\bar{x}$  185°26'30"

AB 047

TO 046 91-27-24 268-40-44 310.51 310.42

1°23'18"

AB 047

BS 045 0-00-00

FS 048 157-15-30

④ 269-01-47

Mean  $\bar{x}$  157°15'26"

AB 047

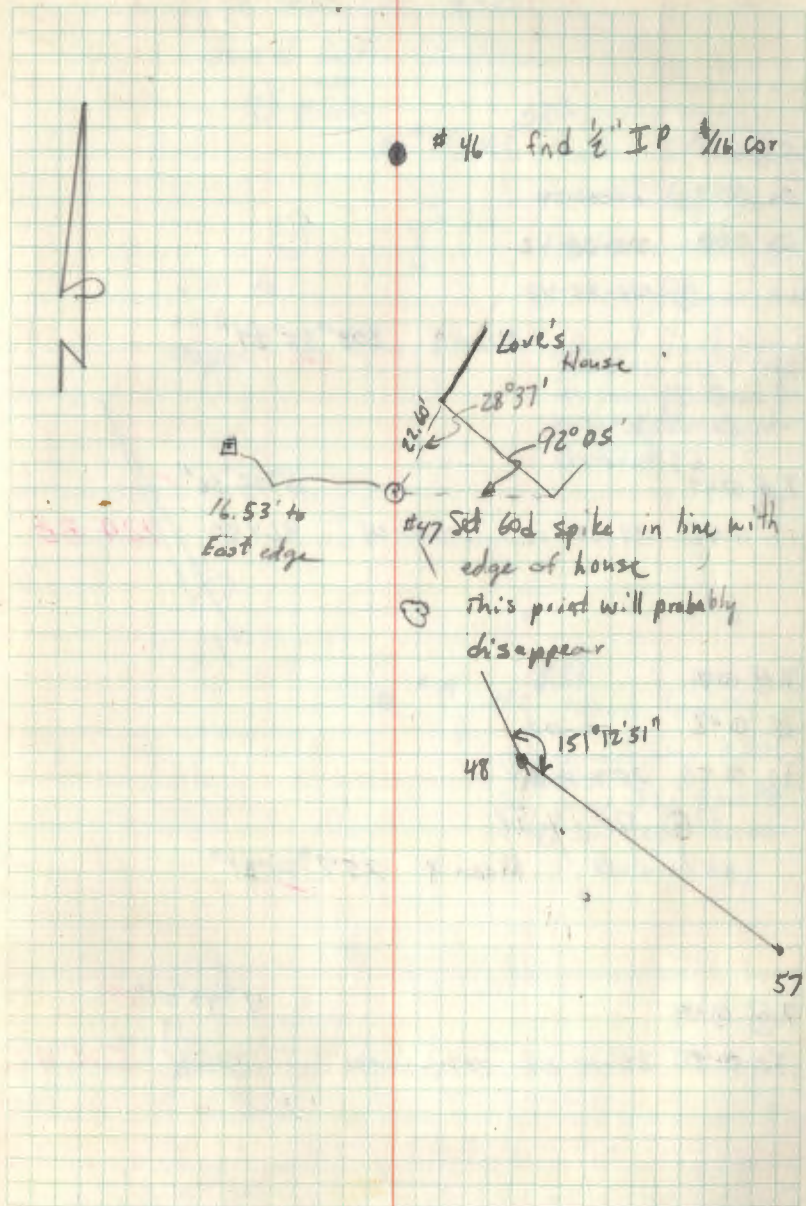
TO 048 ~~700-05-72~~ ~~250-31-24~~ 162.47

110-26

102.00 chnd 96.52

9°58'30"

OK Plc 11-15-82



29-21-77 5-11-82

58°F

30.00 Hg

TB 048

BS 047 0-00-00

FS 049 208-35-42

④ 114-21-18

Mean  $\angle$   $208^{\circ}35'27''$ 

TB 049

BS 048 89-58-12 270-03-24 924.80 924.80

TB 049

BS 048 0-00-00

FS 050 257-34-54

④ 310-17-24

Mean  $\angle$   $257^{\circ}34'21''$ 

TB 049

BS 050 85-14-54 274-46-36

 $4^{\circ}45'51''$ 17  
506.16 504.42

✓ OK Cr. 11-15-82

10.18 to nail  
in W.  
Birch6.10' to  
nail in  
Maple

#48 MC #32  
fnd 1" I<sup>1</sup> leaning  
south dug down  
to base and  
straightened and  
lowered flush also  
found 1956 USGS 1" Book  
See page 48 Book #4  
T57N R25W Corner  
Restoration

15-31  
#49 MC #31  
found County  
Aluminum cap @ 1926  
County BTs  
See page 32 Book #4  
T57N R25W Corner  
Restoration

157N R25W Corner Restoration

55° F 29.95" Hg

AB 030

BS 049 0-00-00

FS 0313 179-57-48

④ 359-50-24

Mean  $\angle$  179°57'36"

AB 03

3°06'57" ✓

To 50 93-13-54 267-00-00 294.89 294.45

AB 03

BS 050 0-00-00

FS 02 180-08-00

④ 0-31-06

Mean  $\angle$  180°07'47" ✓

Goto Page 2 This Book.

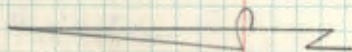
✓ OK for 11-15-82

• 50 find iron curtain rod  
Probably set by G.  
Sullivan. RLS in survey  
in Sec. 19, T57N R25W

⊙ 8.7' to Vent Hd  
nail in Maple

⊙  
12.5 to  
Vent Hd  
nail in  
Twin Ash

⊙ 43  
Set 60 d spike



56° 29.90" Hg

TO 01  
BS 02 0-00-00  
FS 01 171-32-24  
④ 326-09-18

Mean  $\frac{1}{3}$  171° 32' 20"

TO 51  
BS 01  
FS 51 90-25-12 269-49-24 1133.82  
④ 326-09-18 269-48 1133.82 1133.80  
1133.86

TO 51  
BS 01 0-00-00  
FS 52 169-12-48  
④ 316-50-48 316-49-42  
Mean  $\frac{1}{3}$  169° 12' 26"

TO 51  
BS 01 89-59-48 1934.76 0° 07' 36"  
FS 52 90-00-00 270-15-00 1934.77  
89-44-12 270-15-12 1936.54 1936.52  
④ 326-09-18 1936.52

OK. Pl. 11-15-82

23.75 to Vest  
16d nail in  
Popple  
#1 Sch6d spike  
17.9'

24.99' Vest 16d nail  
in Triple  
Basswood

2 gravel rd



17.35' to  
Vest 10d nail in  
in Fair w.  
Birch  
#1 Sch6d spike  
22.4'

14.35' to Vest  
16d nail in  
W. Birch

1936  
3/1936  
18  
13  
12  
10

OK. Pl. 11-15-82

60° 29.30"lg

TR 052

BS 051 0-00-00

IS 032 180-02-30

① 00-09-36

Mean  $\mp$  180°02'24"

TR 052      Vo.  $\mp$  KLV      1°37'42"

TO 052      88-29-30 271-45-00      474.73

See page 33

TR 032

0-00-00

BS 052 ~~168-15-48~~

FS 030 168-15-48

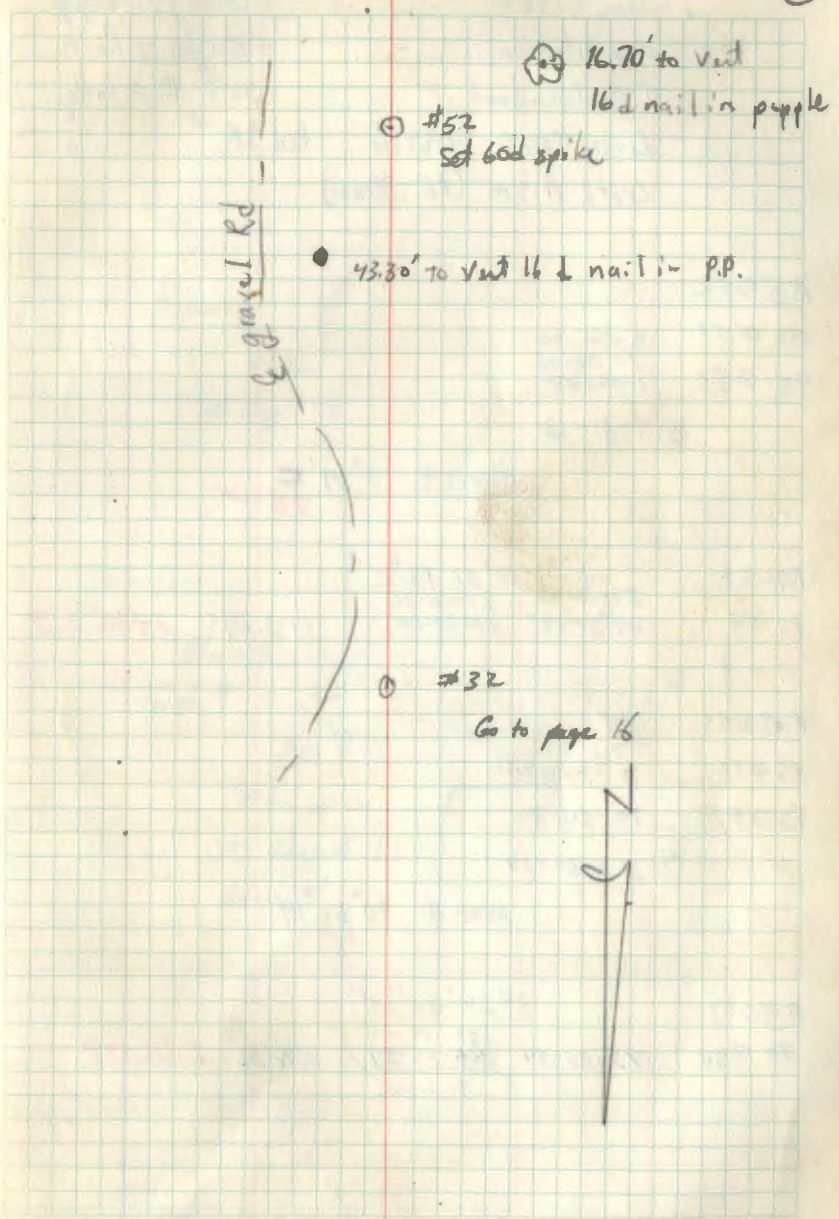
① 313-02-18

Mean  $\mp$  168°15'35"

Go to Page 16

Last Number Used (52)

V OK ~~for~~ 11-15-02





June 7, 1982

K. Whitehorn

T. Suddendorf

Lietz T600 #158816 Red 1A

Lietz Prism (P.C. 30mm)

Cloudy/Breezy

Bugs / Rain

58° 29.30 inHg

18052

BS 051 0-00-00

FS 053 1-08-06

1-02-48

① 4-31-12

Mean  $\pm$  1° 01' ~~45~~ 48 ✓

18053

89-28-42 0° 31' 12" ✓  
270-31-00

To 52 89-31-12 270-29-00 1403.645 1403.58

18053

BS 052 0-00-00

FS 054 70-50-24

① 363-20-54

Mean  $\pm$  90° 50' 14" ✓

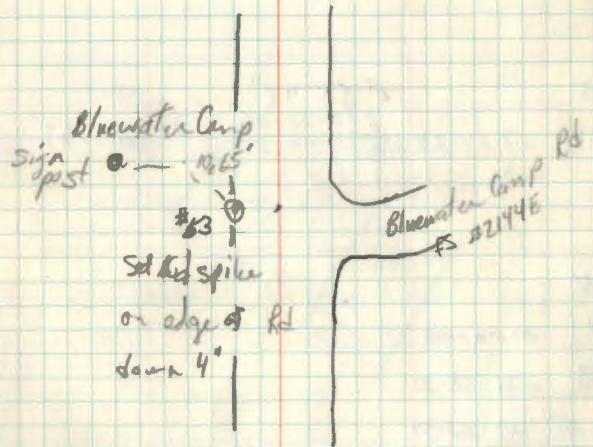
18053

3° 24' 00" ✓

To 054 93-23-54 289-59-00 266-35-54 278.56 278.07  
3-24-06

✓ OK Pr. 11-15-82

○  
#51  
See page #28



57° 29.40" Hg

T@054

BS 053 0.00-00

FS 055 149-15-24<sup>12</sup>

④ 237-01-06

Mean 4 149°15' ~~16~~<sup>17</sup> ✓

T@055

T@054 87-04-54 ~~2°58'48"~~  
272-55-06  
273-02-30

606.69' 605.90

87-04-54 ✓

T@055

BS 054 0.00-00

FS 043 276-58-30

④ 27-53-59

Mean 4 276-58-~~28~~<sup>29</sup> ✓

T@055

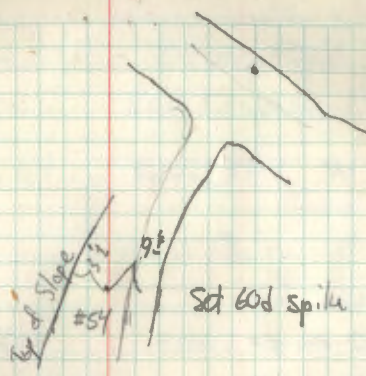
1°11.09" ✓

1078.47 1078.24

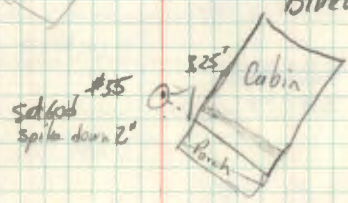
T@043 91-11-20 ~~28°-18-42~~

11-11-11

✓ OK for 11-15-82



CAMP Bluewater



78043

BS 055 0-00-00

FS 042 26-41-12

① 106-44-54

Mean  $\angle$   $26^{\circ}41'14''$  ✓

see page 22

END TRAVERSE

✓ OK Ck. 11-15-82

8-30-82  
Ken Whitehorn

Sunny/Cool  
Rob Fallon

Gyro Orientation Fennel RT-3 SW 148534

78043

BS 072  
(4)  
Mean

160° 02.2"  
160° 02.1"  
160° 02.09"

TIME	LEFT	RIGHT
9:18	320° 08.9'	
9:22		330° 12.1' 325° 10' 30"
9:25	320° 17.2'	325° 14' 39"
9:29		330° 01.2' 325° 09' 12"
9:33	320° 35.9'	325° 18' 33"
9:37		329° 35.8' 325° 05' 51"
9:41	320° 53.7'	325° 17' 15"
9:44		329° 09.5' 325° 04' 06"
9:48	321° 26.3'	325° 17' 54"
9:52		<del>328° 48.4'</del> 325° 07' 21"
9:56	321° 46.0'	325° 17' 12"
10:00		328° 22.1' 325° 04' 30"

~~3577-11-00~~  
3577-06-36

Mean Fernier 325° 11' 30.55"

Mean  $\angle$  RT 165° 09' 21.85" ✓

Bearing PT 1 to PT 2 see page 1

S 14° 50' 38.45" W ✓

6/8/82

K. Whitehorn  
T. Suddendorf

55° 29.75 in Hg  
mostly cloudy  
Calm winds

T60 D #158

Lietz 1

7 @ 56

BS 49 - 00-00-00

FS 48 41-58-49

② 167-54-54

Mean  $41^{\circ}58'44''$

7 @ 56

$0^{\circ}01'42''$  ✓ 1164.999

T0 47 269-58-06 90-01-30 1164.60 **1164.60**

7 @ 56

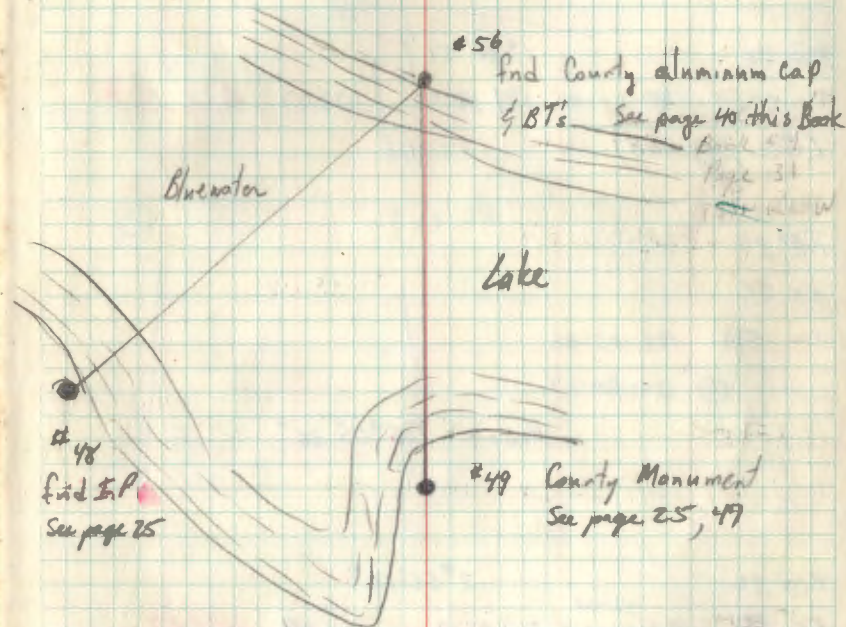
$0^{\circ}01'12''$  ✓ 1364.2699

T0 48 270-01-06 89-58-42 1364.<sup>27</sup>~~28~~ **1364.27**

(last # used #56)

✓ OK. Pr. 11-15-82

32



6-10-82

K. Whitehorn

T. Suddendorf

T60.0 #155818

Lite Ref 1A

Lite Prism (3cm)

Sunny/Breezy  
29.65' Hg 70°F

π@ 32

1°38'51" ✓

To 52 88-21-00 227-38-42 473.07 472.87

(See page 28)

472.9116

π@ 32

65 52

To 58A 86-05-06

④ 24-20-24

Mean 186°05'06"

π@ 32

2°56'12" ✓

To 58 56-06 92-05-54 267-03-42 674.08 693.17

673.3417

π@ 58

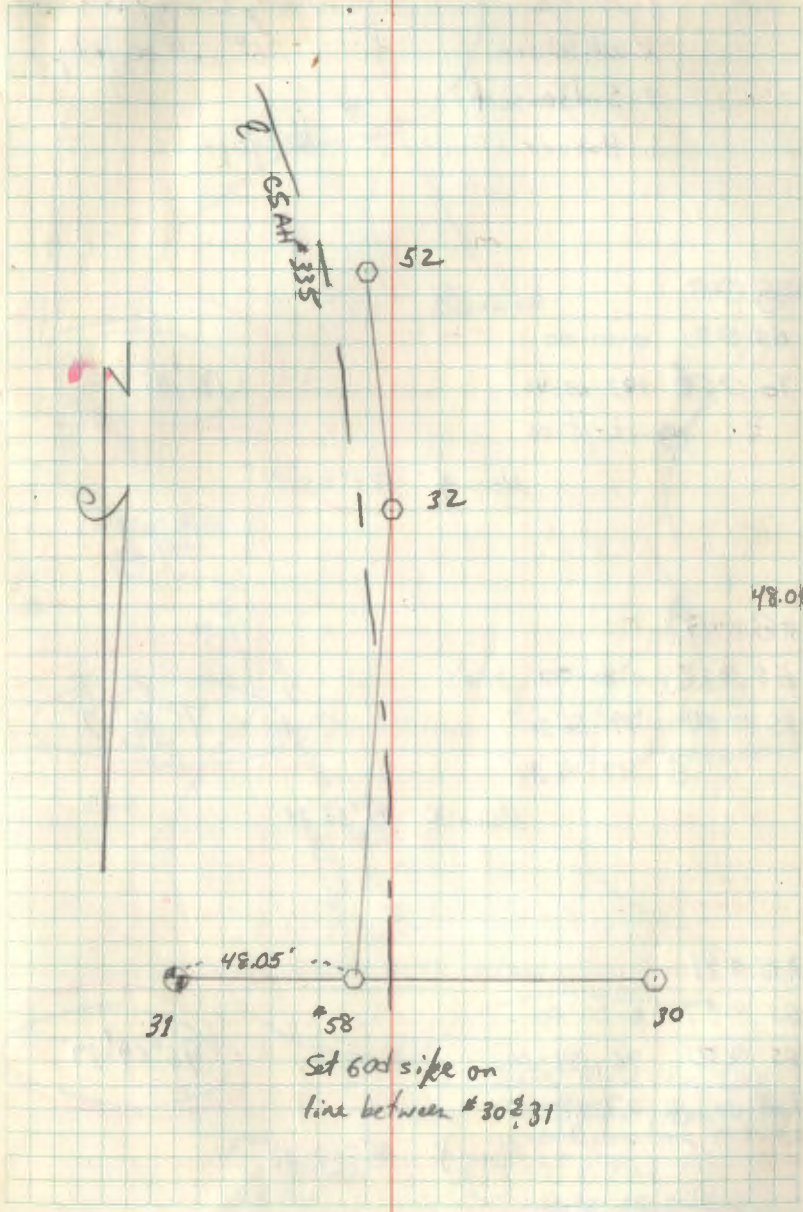
BS 32 0-00-00

To 30 87-50-06

⑤ 351-21-24

Mean 87°50'21"

Last # used (#58) ✓ OK Gr. 11-15-82



Set 60d s/bk on  
line between #30 & 31

6-14-82

K. Whitehorn

T. Suddendorf

J. Hoover

Mostly Cloudy/Rain Showers

76° 29.60 in Hg

Mosquitoes

TB 049

BS 050 0-00-00

To 056 183-03-42

④ 12-15-06

183° 03' 46"

Mean  $\neq$  183° 03' 47"

TB 049

BS 056 0-00-00

FS 050 79° 56' 30"

④ 319° 46' 30"

79° 56' 37"

Mean  $\neq$  79° 56' 38"

TB 049

BS 057 0-00-00

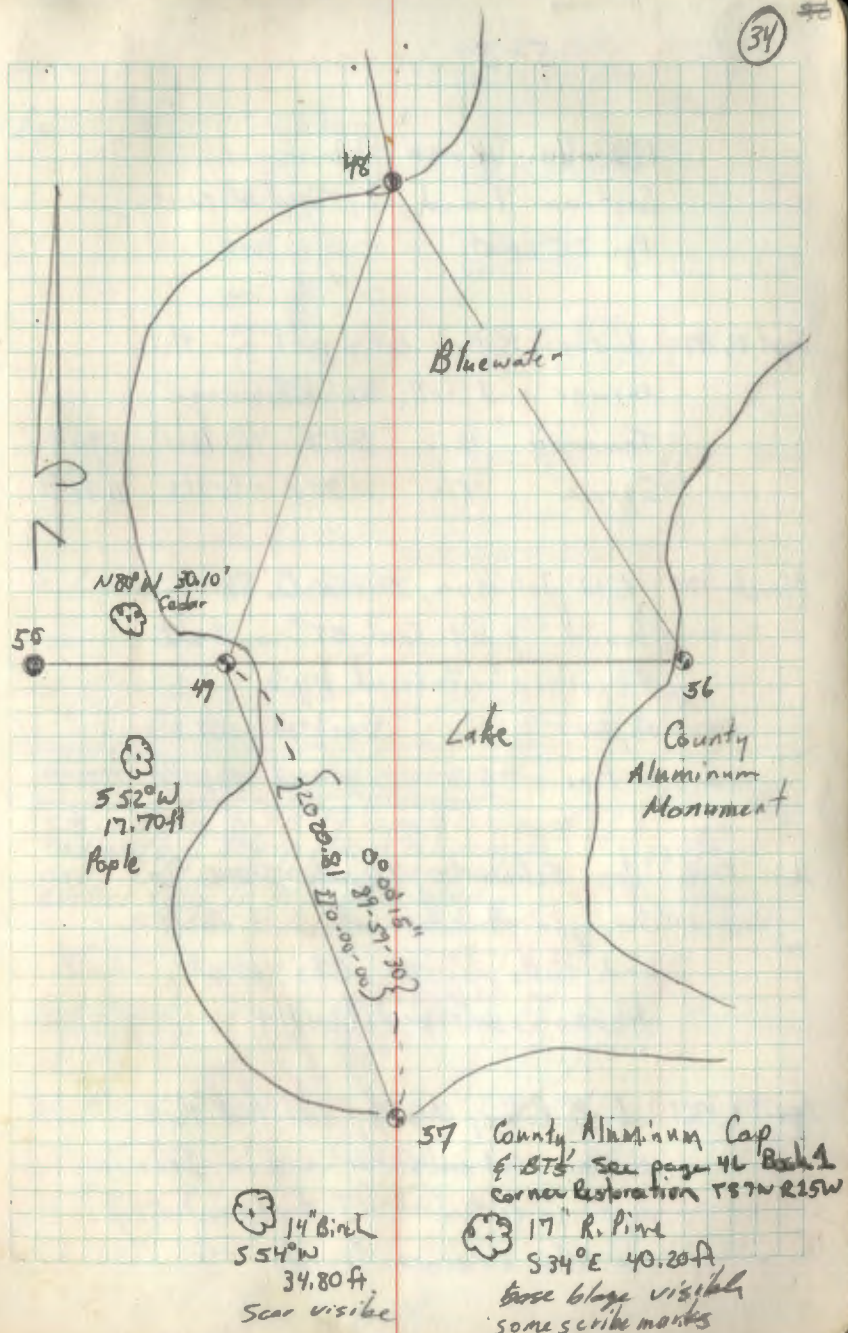
FS 030 96-59-30

④ 27-58-30

96° 59' 37"

Mean  $\neq$  96° 59' 38"

Last # Used (459)



Quarter Corner Common to  
Section 7 and 18, Twp 57 North,  
Rge 25 West.

Sept 22, 1912 Nathan Butler set a post for this  
corner and calls the following  
Tamarack 13 in  $51^{\circ}E$  6 lks 3.96 ft  
Spruce 4 in.  $N 30^{\circ}E$  18 lks 11.88 ft.

March 1919 L. W. Johnson, Itasca Co. Surveyor  
found "gov't Tam BT" and set  
 $\frac{1}{4}$  corner witnessed by 3  
Poplar 6 in  $S 50\frac{1}{2}^{\circ}W$  129.2 ft  
N. Pine 6 in  $S 80\frac{1}{2}^{\circ}W$  183.4 ft

Jan 1926 Jos. Schwartz, Deputy Itasca Co.  
Surveyor, subdivided Section 18  
and calls for the BT's that  
Johnson scribed in 1919:

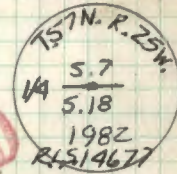
April 1, 1961 L. P. Roles, USFS, visited this  
corner and calls for a 6 in Iron  
pipe in center of 16 foot cleared strip.  
No other evidence found.

April 21, 1982: R. Whitehorn, T. Suddendorf reached this  
corner while traversing to resubdivide  
Section 18. Found  $1\frac{1}{2}^{\circ} \times 6^{\circ}$  iron pipe on  
east edge of floating bog. Location poster  
on 20" Aspen. Poster says "Iron Pipe  
NW 10' UR, AS. JR 3/21/61"  
20" Aspen  $S 42\frac{1}{2}^{\circ}E$  7' to face.  
Cut into 20" Red Pine with scars of 1919  
Bearing & distance but no blaze or scribe.  
No evidence of Original BT's either

G. Koskenko and K. Matson recovery, Sept 9, 1982  
Recovered an 1 1/2 in I.D. iron pipe by 6 in long,  
5 in in swamp. From which a Aspen with a F.S.  
location poster bears  $S 42\frac{1}{2}^{\circ}E$  7.0 ft to tree. Possible  
E. line BT from 1919, will investigate further. From point  
of recovered iron pipe I set a 2 1/2 in. iron  
pipe 3 1/2 in long, 2 ft into swamp  
monument outside with 1919 iron pipe  
at a 90 degree angle to swamp.

5/8 in diam. by 8 ft long aluminum  
rod with a 3/4 in diam. aluminum  
cap 7 ft deep stamped  
corner falls in edge of swamp  
10-22-82 Humph. Kowalski

Metal fence post, east 50' w/ 54-9  
Red Maple, 6.2 in,  $N 52^{\circ}E$  29.52 ft to 16d nail in  
side of tree set "1/4 S 18 BT" w/ 60d spike  
W. Birch, 7.1 in,  $S 45^{\circ}E$  36.94 ft to 16d nail in  
side of tree set "1/4 S 18 BT" w/ 60d spike  
W. Birch, 7.9 in,  $S 20^{\circ}W$  78.43 ft to 16d nail in  
side of tree set "1/4 S 18 BT" w/ 60d spike



Next page

J-3 (cont.)

Oct 22, 1982

I cut into the possible 1919  
county N. Pine bearing tree. I  
found the base blaze with the  
scribing BT plainly visible:

R. Pine, 18.3 in,  $588^{\circ}W$ , @ 1919 record distance  
" (deep swamp inbetween BT and corner)  
2-28-83 BAGH 183.9'

Certificate filed 4-15-83  
Doc # 356845 *the*



(37)

N-3/4

Witness Corner 3.00 chains east of  
the Quarter Corner to Sections 18  
and 19, Twp 57 North, Rge 25 West

Sept 21, 1972: Nathan Butler set a post and calls  
for the following witness:  
Pine 20 in. S 79° E 26 lks 17.16 ft.

March 1919: L. W. Johnson, Itasca County Surveyor,  
found the Witness Corner and set  
the Quarter Corner 198 ft west of  
Witness Corner. Makes no mention  
of finding any BT's and did not  
mark any new ones.

June 8, 1982: Ken Whitehorn and J. Sudden dorf,  
USFS, found old N. Pine Stump  
that fits relatively well to found  
County Quarter Corner. County Corner  
in bog

(38)

(39)

N-3

Quarter Corner common to Sections  
18 and 19, Twp 57 North, Rge 25 West

Sept 21, 1872 This corner was not set in original  
Township subdivision by Nathan Butler  
Witness corner was set 3.00 chains  
east of Quarter Corner (see page 37)

March 1919 L.W. Johnson set this corner 198 ft  
west of the witness corner he found  
(see page 37) and on line between  
the witness corner and the corner  
common to Sections 18 and 19,  
T57N, R25W and Sections 13 and  
24, T57N R26W (see page 2 of  
Book #1, T57N R26W). He scribbled  
the following Bearing Trees

N. Pine	16 in	S03°W	181.8 ft	✓
Spruce	5 in	S32°E	124.5 ft	Nothing

2-28-83 B. AUSK G. ROBERTSON  
N. PINE 21.5" S08°W 181.8 ft  
No Sign of Spruce



Sept 7, 1984

(39)

Cloudy rain

PC - G. Kosenko

Ausk - B. Ausk

G. Robertson

Recovered a 2 inch outside diameter rusted  
iron pipe with a 3 inch diameter aluminum cap  
stamped as shown, up 1.0 feet above swamp,  
from which:

Red Pine, 21.3 in, S08°W, 182.91 ft. to a 16d nail in  
tree, double blaze overgrown, w/60d spike

Established:

Red Pine, S18°E, 181.48 ft. to 16d nail in  
NE tree, double blaze, set 1/4 3/4 5/8" w/60d spike  
Black Spruce, 4.1 in, N76°W, 50.38 ft

Metal fence post, east 3.0 ft w/ 54-2

Metal fence post, west, 3.0 ft w/ 54-9 + 54-2

MC# 37 Common to Sections 17 and 20 east shore of Bluewater Lake

Sept 21, 1872 Nathan Butler set a post for the original MC and scribed the following witnesses:

- N. Pine 12 in 56°E 29 lbs 19.14 ft
- Cedar 14 in N14°E 18 lbs 11.88 ft

Jan 31, 1940 Arthur Johnson, USFS - CCC, visited this corner. He states he found a 3" scribed post in fair condition 36 in above ground. On back of 874 he states "post and pine beavine tree of great age so believe them to be original G.L.O. corner. Aspen BT newer however so County Surveyor must have put it in.

- R. Pine Stub 8 in 543°E 14 lbs 9.24 ft
- Aspen Stub 6 in N17°W 14 lbs 9.24 ft

May, 1956: Itasca County Surveyors Office found Govt. N. Pine BT to M.C. Sec 17 & 20 on E shore of Bluewater Lake, Set capped I.P. for Corner. 873

- Govt N. Pine 558°E 19.14 ft
- Cedar 6" N15°W 13.73 ft
- Cedar 6" S39°E 17.78 ft

Sept 1981 Itasca County visited this corner & marked the following: Also found 1956 Cedars and Mon.

- N Pine 18" S74°E 50.12 ft
- Cedar 6" N25°E 22.85 ft.

June 8, 1982: K. Whitehorn & T. Sudden Corp, USFS, searched area 800' S north & south of Itasca County Mon for original evidence. No conclusive evidence found. I feel this corner is not from original evidence unless something can be found to explain where 1940 Johnson, USFS, BT's came from. I also feel the 1940 R. Pine is the one the county called original.

MC 15.7  
15.20

with Instrument over Itasca County Mon we backsight 0°00'00" to MC# 36 on the west shore of Bluewater (between Sec 18 & 19) and tied in the following witnesses

(41)

N-5/6 (cont.)

- 50-31-30" Cedar 9 in N70°4'W 13.60 ft  
 60 L in base & double blaze scribed "M.C. 17" "BT"
- Cedar 7.9 in N25°R'E 22.79 ft
- 112-59-35 8.1 in base blaze double blaze scribed "M.C. 17" "BT"  
 12" diam based on size of very charred stump remains in ground  
 very rotten R. Pine Stump, S82°11'30"E 17.83 ft
- 225-30-00 A spike in center of stump in ground
- 234-50-20 Cedar <sup>S80°9'</sup> 8.7 in S32°51'E 17.86  
 60 L double blaze grown almost shut but scribe marks visible
- 225-46-15 R. Pine 17.8 in S41°55'E 50.34 ft  
 60 L double Blazed & scribed "M.C. 520" "BT" 60 L

Because of the 1940 BTs are unexplainable  
 I feel uncomfortable with this corner  
 found no evidence of 1940 Aspen stub  
 I can't prove it wrong so will  
 accept it reluctantly ~~the~~

(42)

(42)

KL-5

Meander Corner #34 Common to  
Section 17 and 18, Twp 57N,  
Rge 25W, North east of Camp  
Bluewater on Bluewater Lake

Sept 23, 1872 Original surveyor Nathan Butler "...  
set post on shore of Lake from  
which..."

Cedar	10 in	N 29° E	16 lks	10.56 ft
Pine	13 in	N 42° W	24 lks	15.84 ft

Jan 1926 Jas. Schwartz, Itasca County Deputy  
Surveyor found "... 60' pine BT NW..."  
while subdividing Section 18. He  
scribed the following:

Poplar	5 in	N 5° E	11.40 ft
Poplar	4 in	S 20° W	31.9 ft

July 14, 1967 Greg Fordham, Itasca County Surveyors  
office was at this corner. Doesn't  
state what he found or set but  
ties indicate County Monument  
and the following tie scribed  
at that time:

CERTIFICATE FILED

(42)

Birch	10 in	N 06° E	14.80 ft
Birch	6 in	N 84° W	18.19 ft

Aug 1967 William H. Okerman, Registered Land Surveyor  
USFS, visited this corner while doing  
work in Section 17. His Plat of Survey  
states "Position recovered from Evidence of  
County Surveyor's recorded Survey of January  
1926." Corner References:

Birch	10 in	N 6° E	14.8 ft
Birch	6 in	N 84° W	18.5 ft

April 21, 1982 I reached this corner while running an EDM  
traverse around section 18. I found an  
Aluminum capped Itasca County Monument and  
2 Birch BTs. Also found a very rotted Pine  
stump that would fit for original BT.  
While occupying the MC<sup>and</sup> Bask sighting  
Traverse pt # 41 I turned the following angles  
to the right:

Rotted Pine stump, 323° 26' 00" ~~15.84 ft~~  
abd nail I set at 15.84 ft. nail hits edge of  
stump

Birch with scribe 15° 59' 20" 15.30 ft to  
BT Blaze to 60 + pike

Go to page 43

## KL-5 (Cont.)

Birch with scribe  $288^{\circ} 11' 10''$ , 18.48 ft  
to 60 d spike in base of 'BT' blaze.

no other evidence found

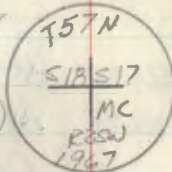
G. Kosenko & K. Matson Recovery Sept 9, 1982

Recovered a:  $1\frac{1}{2}$  in O.D. iron pipe with a

$2\frac{1}{2}$  in diam. aluminum cap stamped

up 1.5 feet from which:

(Monument set in heavy rock deposit)



W. Birch, 9.3 in,  $N17^{\circ}E$   ~~$N35^{\circ}E$~~ , 15.30 ft from 60 d spike  
in front of tree, scr: 'MC S17 BT' visible (scribing broken)

W. Birch 18.2 in,  $N76^{\circ}W$ , 18.48 ft from 60 d spike  
in front of tree scr: 'MC S18 BT' visible, partly grown over

Pine stump,  $N38^{\circ}W$ , 15.94 ft 60 d spike

stump badly rotted, no scribing visible

Established: 5

R. Pine, 14.80 in,  $N72^{\circ}E$ , 67.60 ft from <sup>W. tree</sup> 60 d spike  
side of tree scr: 'MC S17 BT', w/ 60 d spike

Certificate Filed 11-4-83

D.O. # 357071

Birch 11.1 in,  $N76^{\circ}W$ , 18.48 ft

Birch 18.2 in,  $N76^{\circ}W$ , 18.48 ft

W. Birch 9.3 in,  $N17^{\circ}E$ , 15.30 ft

W. Birch 18.2 in,  $N76^{\circ}W$ , 18.48 ft

Pine stump,  $N38^{\circ}W$ , 15.94 ft

R. Pine, 14.80 in,  $N72^{\circ}E$ , 67.60 ft

Established: 5

Birch 11.1 in,  $N76^{\circ}W$ , 18.48 ft

Birch 18.2 in,  $N76^{\circ}W$ , 18.48 ft

W. Birch 9.3 in,  $N17^{\circ}E$ , 15.30 ft

W. Birch 18.2 in,  $N76^{\circ}W$ , 18.48 ft

Pine stump,  $N38^{\circ}W$ , 15.94 ft

R. Pine, 14.80 in,  $N72^{\circ}E$ , 67.60 ft

Established: 5

Birch 11.1 in,  $N76^{\circ}W$ , 18.48 ft

Birch 18.2 in,  $N76^{\circ}W$ , 18.48 ft

W. Birch 9.3 in,  $N17^{\circ}E$ , 15.30 ft

W. Birch 18.2 in,  $N76^{\circ}W$ , 18.48 ft

Pine stump,  $N38^{\circ}W$ , 15.94 ft

R. Pine, 14.80 in,  $N72^{\circ}E$ , 67.60 ft

Established: 5

Birch 11.1 in,  $N76^{\circ}W$ , 18.48 ft

Birch 18.2 in,  $N76^{\circ}W$ , 18.48 ft

(94)



Center South  $\frac{1}{4}$  corner of Section  
 18, Set in 1926 County subdivision  
 See page 50

11-16-82 Ken Whitcharin, RLS, and Glenn Kosenka  
 found 1.5 inch (50) iron pipe 7.0 feet  
 southwest of E FSR # pipe referenced  
 by:

325° 21.0 in S54°W 51.70 ft.  
 scar grown closed, 54.3 tag attached  
 R. Pine 21.8 in N29°W 53.20 ft. to blaze  
 upon blaze visible (blue) & scribe visible

See page 57

(94)

(45)

T57 R25

N-4

E 1/16 BETWEEN SEC 18, 19

1926 County RESub.

Set Iron Mon.

Poplar 6" S62W 33.2'

Poplar 6" N20W 37.5'

Nov 30, 1984 Recovery by G. Kasenko

B. Husk

G. Robertson

RECOVERED A 1 1/4" IRON PIPE 4" UP

Established:

All trees &amp; post ARE painted Red

S. Maple 6.0" N76°E 36.59' to a 16d nail on

SE FACE Double BLAZE Sec "E 1/16 S18 BT" w/60d spike

S. Maple 9.1" S 22° W 47.97' to a 16d nail on

SE FACE Double BLAZE Sec "E 1/16 S19 BT" w/60d spike

S. Maple 5.7" N62°W 12.61ft to a 16d nail on

SW FACE Double BLAZE Sec "E 1/16 S18 BT" w/60d spike

Steel Sign Post East 3.0' w/54-2054-9

(45)



(46)

757 R25

S'1/4 BETWEEN SEC. 17, 18

1926 County RESUB.

Set IRON MON.

Maple 4" S45°W 10.5'

Birch 4" N63°W 9.8'

(46)

(47)

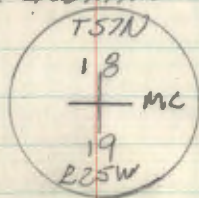
T59 R25 MC # 31 N-4/5  
 MC BETWEEN 18, 19

A26 County Resub.  
 Set Iron Mon.

Poplar 6" S48°W 17.6'  
 Cedar 6" N79°W 30.6'

Nov 30 1984 Recovery by G. Kosenko  
 B. Ausk  
 G. Robertson

Recovered a 2 inch outside diameter  
 iron pipe with a 2 1/2 inch aluminum  
 cap stamped as shown,  
 up 1.2 ft from which



Aspen, 23.3", S54°W, 17.70 ft to 16d nail  
 in west face, double blaze overgrown  
 Cedar, 16.9", N73°W, 29.71 ft to 16d nail  
 in north face, double blaze overgrown

No paint or 60d spikes used  
 at this corner

(47)

(178)

T 59 R 25

LM-55

MC BETWEEN 17, 18

South side of Point

1926 County Resub.

set Iron

Balsam 9" N 80° W 19.9'

(178)

(47)

T59 R25

LM-5N

MC BETWEEN 17, 18  
North side of Point

1926

County Resub.

SET IRON MON.

Poplar 6" S40E 2.3

Poplar 7" S52W 30.5

(48)

(50) 757N R25SW Sec 18 Subdivision

Spur tran. to C.S. 1/4 corner

STA 1<sup>st</sup> H&D 2<sup>nd</sup> H&R 3<sup>rd</sup> H&D 4<sup>th</sup> H&R 2x 9x  
H x Z x

1x

355-49-26 355-21-25 175-21-34 355-21-25

00-47-37 00-19-36 100-19-44 00-19-35 89-42-53

355-01-49 355-01-49 355-01-50 355-01-50 270-17-55

2x

355-01-50 ✓ 89-42-29 ✓

N 90° 52' 15" E

00-14-04 300-46-09 120-46-27 300-46-19 89-18-46

120-46-25 180-13-56 00-14-06 180-10-00 270-41-55

60

120-32-21 120-32-18<sup>13</sup> 120-32-21 120-32-19 89-18-26 ✓

120-32-22 ✓

(W) 499,372.575  
(E) 499,712.629

N 49° 35' 26" W

183-12-18 03-12-02 183-12-22<sup>12</sup> 03-11-59 89-48-16

00-27-52 180-27-43 00-27-54<sup>54</sup> 180-27-40 270-12-18

61

182° 44' 26" 182° 44' 19" 182-44-32<sup>18</sup> 182-44-19 89° 47' 59" ✓

Mean  $\frac{1}{2}$  182° 44' 21" ✓

(W) 499,372.579  
(E) 499,474,899

N 46° 51' 65" W

62

(W) 499,274,070  
(E) 499,282,166

(Lost #USED 62)

Nov 16, 1982

Clear, cool, calm

S. Dist H. Dist Brig P.C. K. Whitehorn

TR to G. Kosenko

1/2 S/N 265184  
RED 1 EDM

BPR = 29.5 ECF = -1  
Temp = 38°F

340.61

340.62

340.615 ✓

340.611 ✓ N11° E Iron pipe w/elbow on top

417.33

417.33

417.33 ✓

417.299 ✓

N48W 1/4 nail

12.5W of center line of gravel rd.

Temp 38°F

29.5" Hg

1011.22

1011.22

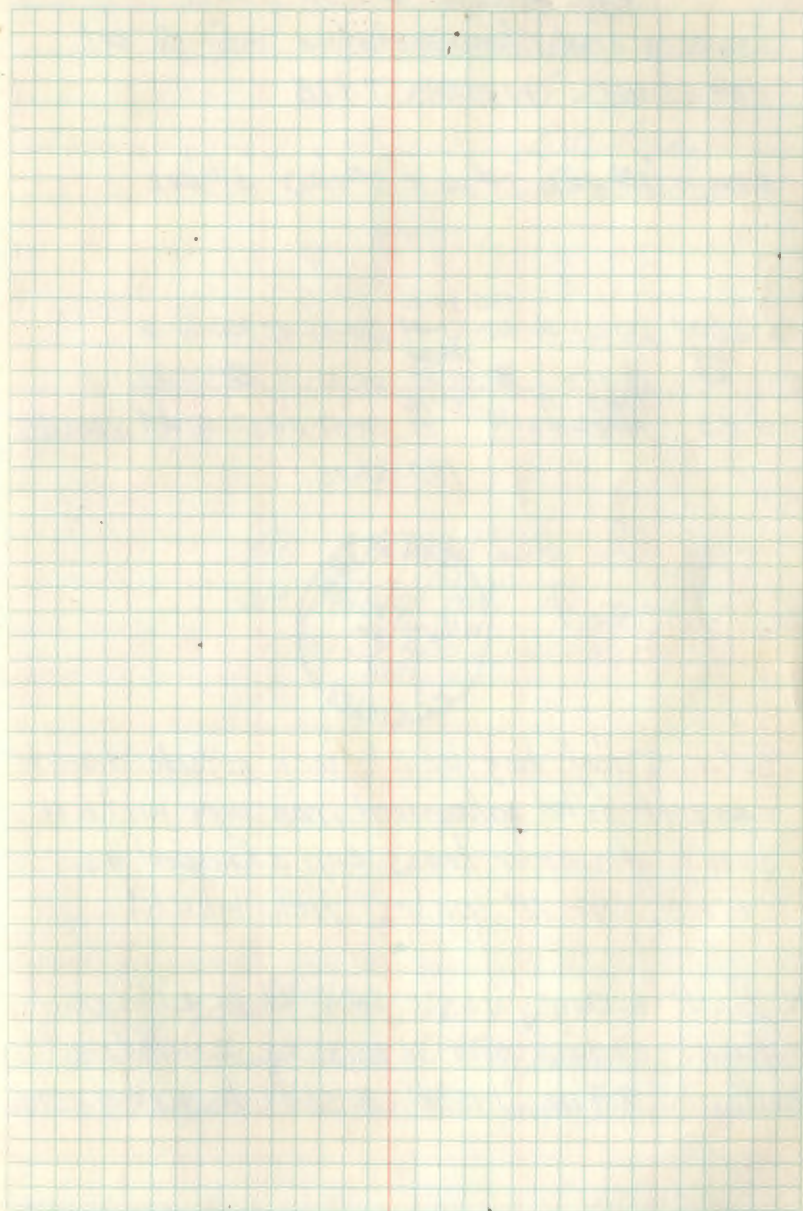
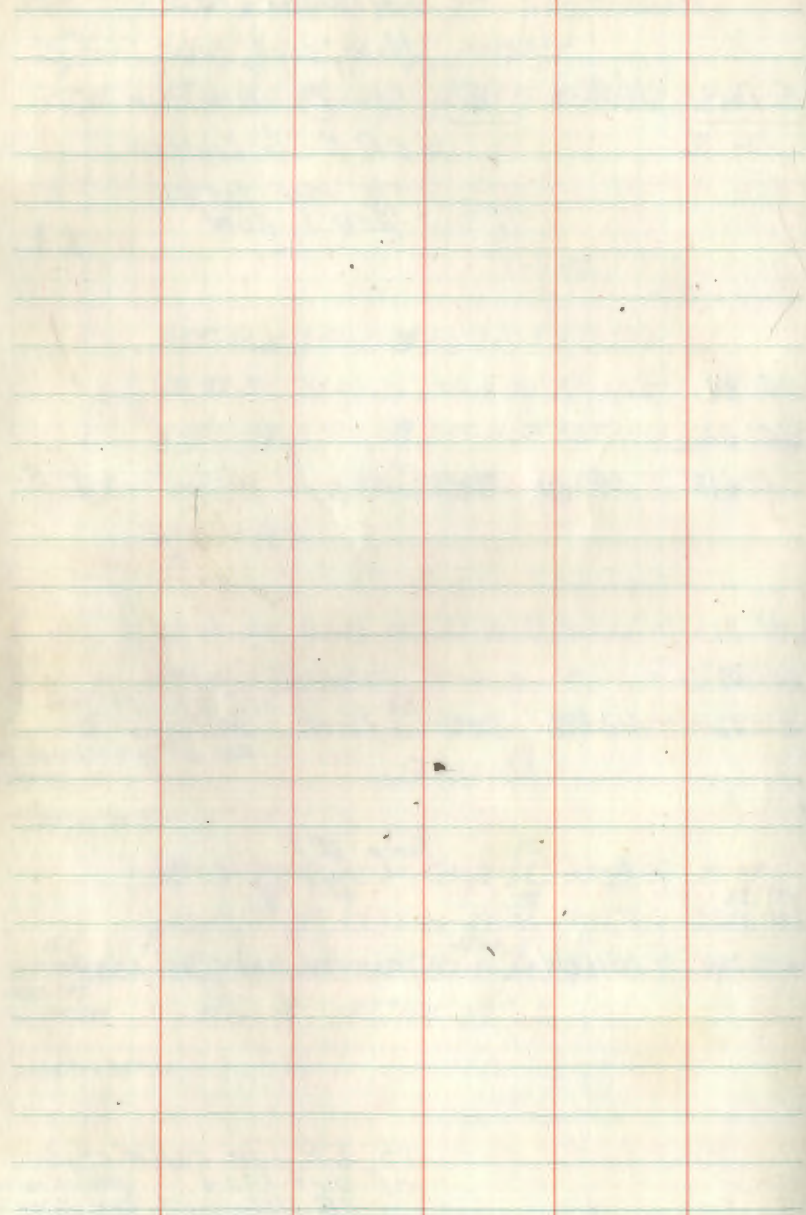
1011.22 ✓

1011.214 ✓

N43W

1K07 re-bar in road

1/2 I.P. in south edge of dirt road  
CB 1/16 set by county  
See page 44



T57N R25W Sec 18 Sub J-2

Inverse and Monumentation info to set

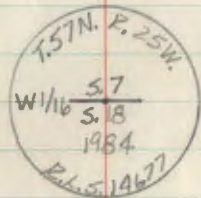
STA 2301, N116 7.18

STA 1<sup>st</sup> H&D 2<sup>nd</sup> H&R 3<sup>rd</sup> H&D 4<sup>th</sup> H&R

H &amp;

FS 2301	170-51-46	<del>350-51-20</del> 350-51-49	170-51-42	350-51-18	
BS 24	00-00-29	01-30	00-00-38	100-00-34	
TP 23	170-51-17	170-51-16	170-51-04	170-51-44	127.85
	<del>40-21-51</del>	#			
		170-51-05			

Decl = 5° East



Set a 5 foot long by 2 1/2 inch outside diameter concrete filled galvanized iron pipe with a 3 inch diameter brass cap stamped as shown, up 18 inches, from which:

W. Birch 6.0 in, N63°E, 34.42 ft to a 1/2d nail  
 W. Birch 8.0 in 554°W 13.32 ft to a 1/2d nail  
 W. Birch 7.9 in, N15°W 7.56 ft to a 1/2d nail

✓ OK file 10/10/84

Sept 24, 1984

Clear, warm, breeze

PC by G. Kosenko

Bill Ausk

G. Robertson

N89-16-53W

All BT's and metal fence posts are painted red. No county evidence was recovered

in NW face, double blazed, scr: "W116 57 BT" w/60d spike  
 in NW face, double blazed, scr: "W116 518 BT" w/60d spike  
 in SW face, double blazed, scr: "W116 57 BT" w/60d spike

T57N R25W Sec 18 Sub

Inverse and Monumentation info to set

STA 3101, E<sub>116</sub>, 7 & 18STA 1<sup>st</sup> H&D 2<sup>nd</sup> H&RSee pp 17,  
this book

H&amp;D

FS 3101 269-14-46 89-15-17

BS 30 00-00-00 180-00-15

T031 269-14-37 269-15-02 ✓

1.31 ✓

269-14-50

Aspen	12.20 ft to 16d nail in
Red Pine,	79.14 ft.
N. Spruce,	67.46 ft
Aspen,	30.93 ft
Red Pine,	104.55 ft

Point NEVER USED

Accepted 1926 IP Location (Kw)

VOK GR 10/10/34



T57N R25W Sec 18 Sub

K-4

Inverse and Monumentation info to set

STA 5201, NE 1/16, sec 18

STA 1<sup>st</sup> HAR 2<sup>nd</sup> HAR

H A

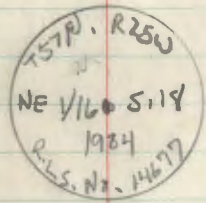
FS 5201 347-33-25 167-33-06

BS 51 00-00-09 179-59-51

TP 52 347-33-16 347-33-15

146.27

347-33-16 ✓



## CARD

10-16-84

Magnetic

W. Birch, 9.9 in. S28°E 119.39 ft 16d in SW face

Red Oak, 7.7 in. S59°W 86.64 ft 16d nail in NW face

Sugar Maple, 9.1 in. N56°W 88.54 ft 16d in NE face

no red paint 60d in base layers

Set a 2" x 24" galv IP (Filled w/ concrete)

with a 3" brass cap stamped

as shown above.

✓ OK OK 10/10/84

Sept 17, 1984

Clear, breeze, mild

Set magnet down 2.7 ft with a 2"x3" rock on top. Set top of monument down .5'

South gate post 9.7 ft southealy of Nail on line in edge of Rd

TP Nail on south line - 267.53 ft east of NE 1/16 cor Sec 18, T57N, R25W

BS NE 1/16 0-00-85

Top of Cut	on line W	54.424
E Rd	on line E	23.78
edge of Rd	on line E	<del>22.98</del> 69.46
E	189-33	68.04
Edge of Rd	(169-11)	68.94 ✓
Top of Cut	206-07	71.74
Edge of Rd	189-15	172.46
E Rd	190-35	173.44
Edge Rd	193-16	176-68
Top Cut	175-37	178.26
Edge Rd	on line E	292.05
E Rd	on line E	245.67
Edge Rd	on line E	256.75
Top Cut	on line E	268.23

✓ OK OK 10/10/84

T57N R25W Sec 18 Sub

Inverse and Monumentation info to set

STA 5301, CE 1/16, S, 18

STA 1<sup>st</sup> H&D 2<sup>nd</sup> H&D

H&amp;D

FS 5301 217-37-27 37-37-22

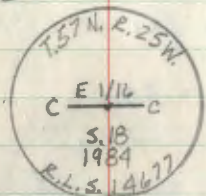
BS 52 00-00-13 180-00-13

IT@ 53 217-37-14 217-37-09

50.76

217-37-12

Decl = 5° East



Set a 2 foot long by 2½ inch outside diameter concrete filled galvanized iron pipe with a 3 inch diameter brass cap stamped as shown, flush in ground in powerline row, from which:

Red Sugar Maple, 7.0 in, N51°E, 121.80 FT to 1/6d nail in  
 Sugar Maple, 6.2 in, S55°W, 35.98 FT to 1/6d nail in  
 W. Birch, 4.8 in, N62°W, 23.97 FT to 1/6d nail in

CARD

✓ OK OK 10/10/84

Sept 10, 1984

Cloudy, rain, calm

PC by G. Kosenko

Aides - G. Robertson

B. Ausk

All bearing trees painted red brass but no rings. Since corner falls in powerline row, we set monument flush and used no posts

SE face, double blaze, scr "CE 1/16 S 18 BT" w/60 d spike  
 NW face, double blaze scr: "CE 1/16 S 18 BT" w/60 d spike  
 east face, double blaze, scr: "CE 1/16 S 18 BT" w/60 d spike

T57N R25W Sec 18 Sub

Inverse and Monumentation info to set

STA 2500, SE 1/16 S. 18

STA 1<sup>st</sup> H&D 2<sup>nd</sup> H&D

H&amp;D.

F.S. 2500 170-05-21 350-09-55

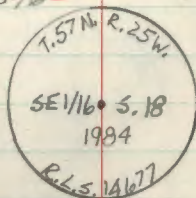
BS 2 00-00-05 179-59-40

TQ 1 170-05-16 170-05-15

308.80

170-05-16

Decl = 5° East



Set a 2 foot long by 2 1/2 inch outside diameter concrete filled galvanized iron pipe with a 3 inch diameter brass cap stamped as shown, under road surface 1.0 ft from which:

## CARD

Red Oak 14.5 in, S 23° E, 86.52 ft to a 16d nail in

Red Oak 18.3 in, S 71° W, 76.13 ft to a 16d nail in

W. Spruce 16.3 in, N 40° W, 66.92 ft to a 16d nail in

✓ OK Lk 10/10/84

Sept 10, 1984

Ply. yieldy, mild, calm

PC ~~to~~ G. Kosenko

Aides B. Ausk

G. Robertson

All BT's are painted red except no ring was painted. Corner was set in road so no metal fence posts were used.

West face, double blaze, scr: "SE 1/16 S 18 BT" w/60d spike  
 NW face, double blaze, scr: "SE 1/16 S 18 BT" w/60d spike  
 NE face, double blaze, scr: "SE 1/16 S 18 BT" w/60d spike

57

T57N R25W Sec 18 Sub

Inverse and Monumentation info to set

STA 6201, CS 1/16

STA 1st H&amp;D 2nd H&amp;D

H &amp;

FS 6201 22-40-12 202-48-29  
202-41-14

BS 61 00-00-08 180-00-15

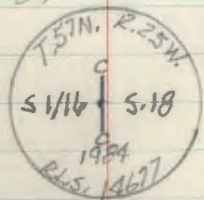
PT 62 22-40-04 22-40-14

22-40-09

1.00

Decl = 5° East

CARD



Set a 3 foot long by 2 1/2 inch outside diameter concrete filled galvanized iron pipe with a 3 inch diameter brass cap stamped as shown, 6 inches below road surface from which:

W. Birch, 6.2 in, N65°E, 44.09 ft, to a 16d nail in  
Red Pine, 23.9 in, S54°W, 51.65 ft to a 16d nail in  
Red Pine, 22.0 in, N29°W, 54.50 ft to a 16d nail in

This point was never used  
accepte PT 62 on location **KW**

✓ OK PL 10/10/84

Sept 17, 1984 52

Clear, warm, breeze

PC to G. Kosanko

Aide - B. Husk

11/30/84

Moved corner back to its original point  
from which trees bear:

Red Pine N29°W, 53.67'

White Birch N65°E, 43.98'

Red Pine S56°W, 51.91'

Only painted the blazes on the Birch  
BT red. No other red paint used.  
No Metal fence posts used. We used  
the Itasca County BT's to reference  
the corner position

NW face, double blaze, set: "CS 1/16 S 18 BT" w/6d spike  
north face, double blaze, overgrown, w/6d spike  
NE face, double blaze overgrown, w/6d spike

See page 44

T57N R25W Sec 18 sub L-4/5

Monumentation info for the SMC  
STA 59, West side of Bluewater lake

1926 Itasca County survey of Section 18  
by Lloyd W. Johnson

Set an Iron monument from which:

Poplar, 6", S15°W, 11.0 ft

Birch, 4", N70°W, 14.2 ft

Sept 10, 1984 Forest Service recovery  
by: G. Kosenko

Decl = 5° East

B. Ausk

G. Robertson

Recovered a 1½ inch outside diameter  
rusted iron pipe, up 8 inches from  
which:

1926 Badly rotted Aspen stump, S18°W, 10.55 ft to a  
60d spike in stump

1926 W. Birch, 8.4 in, N68°W, 14.06 ft to a 16d nail  
in south face, single blaze overgrown & rotted  
with a 60d spike

Established:

W. Birch, 9.2 in, S62°W, 38.55 ft to 16d nail in  
north face, double blaze, set: "SMC S18 BT" w/60d spike

W. Birch, 7.5 in, N31°W, 21.03 ft to 16d nail in  
east face, double blaze, set: "S18 SMC BT" w/60d spike

Metal fence post, east, 3.0 ft w/54-2, 54-9

All BT's and Metal fence post  
are painted red

T57N R25W Sec 18 Sub

M-4/5

Property corner set for the Adams  
Exchange on the 1/16 line between  
the S 1/16 18/17 and SE 1/16

Monument is a 2½ inch outside diameter  
aluminum pipe with a 3 inch diameter  
aluminum cap stamped as shown,  
up 1.2 feet from which:

Sugar Maple, 7.3 in, N73°E 31.25 ft to 16d nail in  
SE face, single blaze scr: "BT" w/60d spike

W. Birch, 8.8 in, S42°W 52.43 ft to 16d nail  
in the north face, single blaze, scr BT" w/60d spike

4x4 wood post, west, 2.0 ft w/54-2, 54-9

Sept 10, 1984

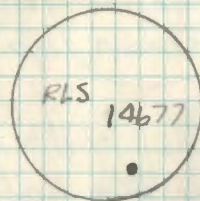
Cloudy, rain, calm

PC or G. Kosanko

B. Ausk

G. Robertson

Decl = 5° East



Only the base blaze of the BT's  
are painted red

T57N R25W Sec 18 Sub  
SW corner of the Adams Exchange

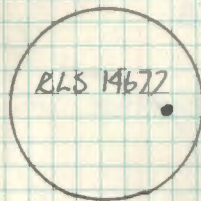
Monument is a 2½ inch outside diameter  
aluminum pipe with a 3 inch diameter  
aluminum cap stamped as shown, up  
6.1 feet from which:

Sugar Maple, 6.5 in, N72°E 27.79 ft to a  
16d nail in NW face, single blaze, scr: "BT" w/60d spike  
Sugar Maple, 4.5 in, N48°W 9.50 ft to a  
16d nail in north face, single blaze, scr: "BT" w/60d spike  
4x4 Wood post, north, 3.4 ft w/54-2, 54-9

Sept 10, 1984

Decl = 5° East

Cloudy, rain, mild  
PC on G. Kosenko  
Aide G. Robertson  
Bill Ausk



Only the BT blaze on the  
trees are painted red

T57N R25W Sec 18 Sub

Inverse and Monumentation info to set

STA 1201, S 1/16, 13 &amp; 18

STA 1<sup>st</sup> H&D 2<sup>nd</sup> H&D

HA

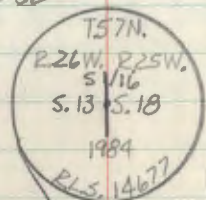
FS 1201 132-21-51 312-26-10

BS 13 08-06-19 180-00-27

TT@12 132-21-32 132-19-43

2.87

132-20-38



Decl = 5° East

Set a 3 foot by 2 1/2 inch outside diameter  
concrete filled <sup>galvanized</sup> iron pipe with a 3 inch  
diameter brass cap stamped as shown,  
1 foot above ground

From which:

W. Birch, 5.8" S50°E 43.36' to a 16d nail in

W. Birch, 9.7" S29°W 59.93' to a 16d nail in

W. Birch, 6.4" N39°W 34.75' to a 16d nail in

Metal fence post, north, 3.4' w/54-2, 54-9

Metal fence post, east, 5.0 ft w/54-2

N56°E 2.3'

VOK Rk. 10/10/84

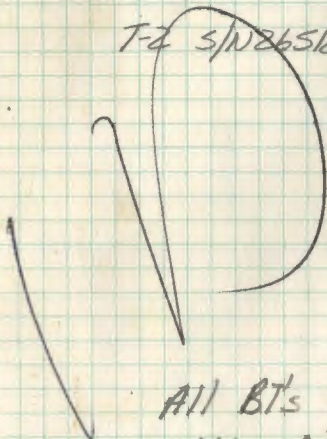
Sept 11, 1984

pty cldy, mild, calm

PC by G. Kosenko

B. Ausk

T-2 S/N 865184 TT G. Robertson



All BTs are painted red  
with ring removed the  
Itasca County iron pipe.



SW FACE, double BLAZE SCR. "S 1/16 S18 BT" w/60d spike  
SE FACE, double BLAZE SCR. "S 1/16 S13 BT" w/60d spike  
NE FACE, double BLAZE SCR. "S 1/16 S13 BT" w/60d spike

See Pg 18



62

T57N R25W Sec 18 Sub

Angles @ property corners to property lines

STA 1<sup>st</sup> H&D 2<sup>nd</sup> H&R

H 4

FS 1201 ~~136-15-44~~ 316-15-38BS 61 ~~10-00-15~~ 180-00-22T@6201 ~~136-15-29~~ 136-15-16 ✓

136-15-23 ✓

FS 29 ~~226-40-50~~ 46<sup>41</sup> 41-01BS 61 ~~00-00-16~~ 180-00-17T@6201 ~~226-40-34~~ 226-40-44 ✓

226-40-39 ✓

FS 29 359-30-54 179-30-41

BS 23 ~~00-00-32~~ 180-00-31

T@2301 359-30-22 359-30-10

359-30-16 ✓

FS 2001 55-10-42 235-10-50

BS 53 ~~00-00-19~~ 180-00-00T@5301 55-10-23 <sup>5</sup> 235-10-50

55-10-37 ✓

✓ OK GR 10/10/34

62

September of 1984

with: G. Kosaneko

G. Robertson

B. Ausk

(Various days)

T57N R25W Sec 18 Sub

Angles @ Property corners to  
Property linesSTA 1<sup>st</sup> H&D 2<sup>nd</sup> H&D  
H & D

FS 2500 145-45-35 325-46-3A

BS 53 ~~00-00-12~~ 180-00-33

T@ 5301 145-45-23 145-46-01

145-45-42 ✓

FS 46 ~~264-27-17~~ ~~264-26-45~~ 84-26-41BS 1 ~~00-00-02~~ ~~00-00-02~~ 179-57-35T@ 2500 264-27-15 ~~26-43~~ 264-27-06

264-27-11 ✓

FS 5301 175-10-33 355-10-40

BS 1 ~~00-00-22~~ 180-00-08

T@ 2500 175-10-11 175-10-32

175-10-21 ✓

27-13

31-30

~~14-00~~~~24-17~~2500-5301 269-15-30 ~~70-45-20~~ 70-31-09 ✓ 787.06' 989.02' ✓

✓ OK Gr. 10/10/84

September of 1984

With: G. Kosenko

B. Ausk

G. Robertson

(Various crews)

64

T57N R25W Sec 18 Sub

Spur traverse to SMC on North shore  
of Dean LakeSTA 1<sup>st</sup> H&D 2<sup>nd</sup> H&P 3<sup>rd</sup> H&D 4<sup>th</sup> H&P  
H 2

FS 2302 88-49-36 268-49-36 88-49-32 268-49-35

BS 23 00-00-27 180-00-19 00-00-13 180-00-19

N@2301 88-49-09 88-49-17 88-49-19 88-49-16

88-49-15 ✓

Dist 2301-2302 85-55-37 274-03-51 88-55-54 96.51 96.267

Dist 2302-2301 94-26-57 265-32-41 94-27-08 96.55 96.259

FS 2303 180-00-14 00-00-14 180-00-11 00-00-15

BS 2301 00-00-15 180-00-20 00-00-15 180-00-16

N@2302 179-59-59 179-59-54 179-59-56 179-59-59

179-59-57 ✓

Dist 2302-2303 92-08-15 267-51-16 92-08-30 216.44 216.289

Dist 2303-2302 88-01-34 271-57-50 88-01-52 216.42 216.292

CK 68 9-7-84

64

Sept. 4, 1984

Ptty Clody, mild, breeze

PC # G. Kosanko

TR # B. Ausk

Auk G. Robertson

T-2 s/n 265184

Red 1A s/n 4865

ECF = 0

STA 2301 = 60d spike

96.26 ✓

STA 2302 = 60d spike

216.29 ✓

T57N R25W Sec 18 Sub

Spor traverse cont'd from pg. 64

STA 1<sup>st</sup> H&R 2<sup>nd</sup> H&R 3<sup>rd</sup> H&R 4<sup>th</sup> H&R

H 4

FS 2304 180-00-33 00-00-33 180-00-29 00-00-33

BS 2302 00-00-34 180-00-34 00-00-35 180-00-37

T@ 2303 179-59-59 179-59-59 179-59-54 179-59-56

179-59-57 ✓

Dist 2303-2304 96-30-24 263-29-10 96-30-40 169.99 168.89 ✓

Refer to pg 68 for Monumentation

CK BA 9-7-84

END of Traverse

Sept 4, 1984

STA 2303 = 60d spike

STA 2304 = 60d spike

Approx SMC north  
shore of Daan Lake  
1926 AMG is 4 ft further  
into lake on same line  
projected south

T57N R25W Sec 18 Sub

Angles at property corners to property lines

STA 1<sup>st</sup> H&D 2<sup>nd</sup> H&D

H 4

FS 1501 356-00-16 176-00-23

BS 13 00-00-35 180-00-23

T@1201 ~~356-00-08~~  
~~356-57-41 646-60~~

FS 1501 356-19-17 176-19-29

BS 13 00-00-20 180-00-01

T@1201 356-18-57 356-19-28

356-19-13 ✓

FS 40 106-25-19 286-25-12 <sup>25 21</sup> 106-25-23 286-24-19 <sup>28 21</sup>BS 52 00-00-25 180-00-27 <sup>27</sup> 00-00-29 180-00-29 <sup>29</sup>T@5201 106-24-54 106-24-45 106-24-54 <sup>24 31</sup>

106-24-50 ✓ 106-24-52

FS 3101 16-27-28 196-27-11 16-27-21

BS 52 00-00-29 180-00-35 00-00-26

T@5201 16-26-59 36 16-26-45

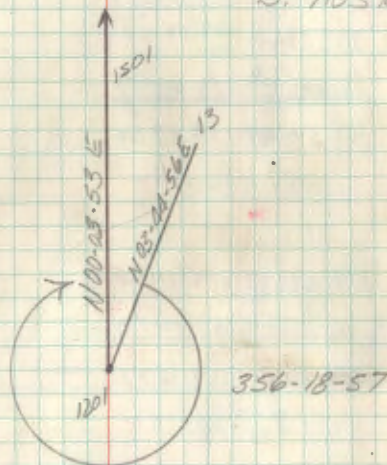
October, 1984

Partly cloudy mild

PC M G. Kosenko

G. Robertson

B. Ausk



We got kicked-off  
the land by Mr & Mrs  
James Love. Could not  
finish the line.

T57N R25W Sec 18 Sub

Angles at property corners to property lines

STA 1<sup>st</sup> H&D 2<sup>nd</sup> H&R  
H&FS 301 359-59-4<sup>50</sup>~~3~~ 179-59-5<sup>2</sup>BS 50 00-00-~~33~~<sup>52</sup> 180-00-47T@ 49 359-59-08 359-59-05  
359-59-07 ✓

FS 5 359-56-37 179-56-30

BS 302 00-00-29 180-00-13

T@ 301 359-56-08 359-56-17  
359-56-13 ✓FS 5 358-03-~~38~~<sup>04-06</sup> 178-04-<sup>37</sup>14BS 8 00-00-~~24~~<sup>52</sup> 180-00-41T@ 9 358-03-14 358-03-35  
358-03-23 ✓

✓ OK Ch. 10/10/84

September of 1984

with: G. Kasenko

B. Husk

G. Robertson

(Various crews)

68

T57N R25W

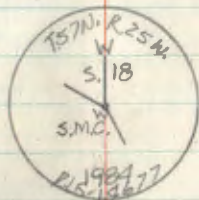
JK-2

Monumentation info for STA. 2304

SMC S. 18 North side DOAN  
LAKE

REFER to Pg 65 for TRAVERSE

DECL. 5°E



Set a  $\frac{5}{8}$ " by 5' long Aluminum Rod with a  
3/4 inch Aluminum cap stamped as shown 18"  
above ground.

R. PINE 25.3" N 58°E 9.53' to a 16d NAIL in  
ELM 8.6" N 51°W 39.65' to a 16d NAIL in

STEEL Sign Post 3.0 ft North w/ 54-2 & 54-9

68

Sept 4, 1984 SAME CREW

ROSENKO  
Aysk  
Robertson

NW FACE Double BLAZE SCR. "S18 SMC BT" w/ 60d SPIKE  
NE FACE Double BLAZE SCR. "S18 SMC BT" w/ 60d SPIKE

69

T57N R25W Sec 18

L1A-1

Inverse and Monumentation info to set

STA 1501, MC on south side Dorn Lk

STA 1<sup>st</sup> 14.0 2<sup>nd</sup> 14.2

14.2

FS 1501 168-30-22 348-30-22

BS 14 00-00-21 180-00-43

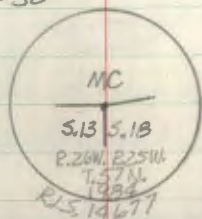
T@15 168-30-01 168-27-39

168-29-50

188.15 ft

Decl: 5° East

Rocky area

Shoreline in  
North 13 feet

CARD

Set a 3 ft. long by 5/8 inch diameter  
aluminum rod with a 3/4 inch diameter  
aluminum cap, stamped as shown, up  
18 inches, from which:

W. Birch, 6.2 in east, 10.30 ft to a 1/4 nail  
W. Birch, 11.2 in S43°E, 11.28 ft to a 1/4 nail in  
R. Maple, 7.2 in south, 20.35 ft to a 1/4 nail in

Metal fence post, south, 3.0 ft, w/54-2, 54-9

✓ OK OK 10/10/84

69

Oct. 2, 1984

Clear, warm, breeze

PC # G. Kosenko

T G. Robertson

TZ S/W 265184

distances to the

We pulled the Itasca County iron  
pipe. Searched for both the Tamarack  
and the Birch Original Grou' Survey  
Bearing Trees and found no evidence.

MC is set at the proportionate position.

Did not paint a red ring around the new

BTs. Did not find the County

iron but did recover the county  
rock.

in south face, double blazed, scri: "MCS18BT", w/bo d spike  
SW face, double blazed, scri: "MCS18BT", w/bo d spike  
west face, double blazed, scri: "MCS18BT", w/bo d spike

See: T57N R26W, BK 1, pg 4



T57N R25W Sec 18 Sub

Inverse and Monumentation info to

set STA 1901, N, 1/16 13/18

STA 1<sup>st</sup> H&D 2<sup>nd</sup> H&D Ux

H4

93.01

208.21

FS 1901 358-21-43 178-21-52

BS 17 00-00-33 180-00-39

T@ 19 358-21-10 358-21-13

358-21-12

207.92

T57N.  
R26W R25W.  
N1/16

S.13-S.18

1984

E.S. 1467

Decl: 5° East

Set a 5 ft long by 2½ inch outside diameter concrete filled galvanized iron pipe with a 3 inch diameter brass cap stamped as shown, up 18 inches, from which:

Sugar Maple 7.9 in N03°E 41.78 ft to 16d nail in  
 Sugar Maple 7.7 in S74°E 17.20 ft to 16d nail in  
 Red Oak 6.1 in N73°W 35.10 ft to 16d nail in

Metal fence post south 3.0 ft, w/54-2, 54-9

Metal fence post west 3.0 ft, w/54-2

✓ OK ltr. 10/10/81

Oct 9, 1984

Cloudy, drizzle, calm

PE at G. Kosenko

Aides G. Robertson

T-2 S.W. 26S184 T B. Auster

There is no evidence of any Itasca County work. This corner was set at a proportionate measure. All BT's are painted red.

east face, double blaze, set: "N1/16 S18 BT", w/60d spike  
 SW face, double blaze, set: "N1/16 S18 BT", w/60d spike  
 south face, double blaze, set: "N1/16 S18 BT", w/60d spike

See page 77 of this book

T57N R25W Sec 18 Sub  
Inverse and Monumentation info to  
set STA 1801, MC North side Doan Lk  
STA 1<sup>st</sup> HS 0 2<sup>nd</sup> HS R  
HA

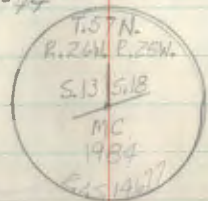
FS 1801 181-23-16 01-23-23

BS 19 00-00-31 180-00-41

TC 1801 181-22-45 181-22-92

316.59

181-22-14



Decl = 5° East

Set a 5 ft long by 5/8 inch diameter  
aluminum rod with a 3 1/4 inch diameter  
aluminum cap stamped as shown, up 18  
inches from which:

Metal fence post, North, 3.0 ft, w/54-2, 549

W. Birch, 7.5 in, N02°E 64.08 ft to a 16 d nail on

W. Birch, 9.7 in, N85°W 31.11 ft to a 16 d NAIL on

Red Pine, 23.1 in, N13°W 36.23 ft, to a 16 d NAIL on

Recovered the OG's Red Pine stump, N54°W,  
18.48 ft, w/ "BT" plainly visible

✓ OK Lk. 10/10/84

October 9, 1984

Cloudy drizzle, calm

PC w/ G. Kasenko

T2 SW 25.184 T. B. Ausk

guide G. Robertson

We recovered the cut stump of  
a large Red Pine. The BT blaze  
and scribe is still visible. This  
is the original government survey  
tree. We also used the recovered  
Itasca Co. BT. to reference  
the MC position. All BT's are  
painted red except the wings.  
Pulled the Itasca county Iron pipe  
and took it into the office.

W FACE Double BLAZE SCR. "MC 518 BT" w/60d spike

SW FACE Double BLAZE SCR. "MC 513 BT" w/60d spike

EAST FACE "BT" VISIBLE w/60d spike

T57N R25W Sec 13 Sub

Monumentation info for N 1/16 18+17

In January of 1926 Jas. Schwartz,  
Deputy Itasca County Surveyor set an  
iron pipe for this corner from which:

Poplar, 6 in, S25°W, 11.7 ft

Birch, 4 in, N30°W, 8.5 ft

1984-10-15 5° E decl

Twin Birch 8.0 in S22E

14.00 ft to 16 d in

NW face (Colesen's) All scribe visible

P27 Co.  
Aspen 14.9 in N75W

9.60 ft 16 d nail

NW face Scar closed

Maple 11.8 in N12W

11.00 ft 16 d nail

NW face (Colesen's) Scribe visible

1.75 inch (0.0) IP with mushroomed  
head in place up 0.65 ft

Find Metal Post @ 3.0 ft northerly on  
property line W 54-2 & 54-7 signs

Set 5/8" x 36" Aluminum Rod Mon With  
Aluminum Cap through recovered Mon.

See page 21 this book

T57N R25W Sec 18 Sub

Traverse from CS 1116 TO N. 1/4  
 STA 1<sup>st</sup> HXR 2<sup>nd</sup> HXR 3<sup>rd</sup> HXR 4<sup>th</sup> HXR  
 H &

Dist 6201-6202

Dist 6202-62

FS 6202	226-40-51	46-40-50	226-40-48	46-40-29
BS <del>60</del>	00-00-21	180-00-15	60-00-27	180-00-00
IT@ 6201	226-40-30	226-40-35	226-40-26	226-40-29
	226-40-30			

Dist 6201-6202	89-52-36	270-07-09	270-07-17	1213.70	1213.70
	89-57-45				

Dist 6202-6201	90-09-04	269-51-18	269-51-07	1213.72	1213.72
----------------	----------	-----------	-----------	---------	---------

FS 6203	179-55-27	359-55-35	179-55-46	359-55-46
BS 6201	00-00-15	180-00-19	00-00-15	180-00-15
IT@ 6202	179-55-22	179-55-21	179-55-31	179-55-30
	179-55-26			

Dist 6202-6203	92-44-20	267-15-40	267-15-40	97.97	97.86
----------------	----------	-----------	-----------	-------	-------

Dist 6203-6201	87-32-20	272-28-20	272-28-01	98.01	97.92
----------------	----------	-----------	-----------	-------	-------

2106  
226

V. J. R. 11/07/84

Nov. 7, 1984

G. Robertson RR

B. Ausk PC

Clear, Warm

Temp = 50°F ECF = 0

Hy = 29.3

Wild T2 # 265184

Red 1A # 4863

1213.71

Aspen, 15", 41.07 ft to 16d no. 1  
 Aspen, 18.2", 57.43 ft to 16d no. 1

STA 6201 = 60 d.  
 spike 1' OS of fence  
 post

97.89

T57N R25W Sec 18 Sub

Traverse cont'd from pg 73

STA 1<sup>st</sup> H&D 2<sup>nd</sup> H&R 3<sup>rd</sup> H&D 4<sup>th</sup> H&R  
H4FS 6204 180-11-53 00-11-53 180-11-55 00-11-55<sup>45</sup>

BS 6202 00-00-32 180-00-33 00-00-44 180-00-38

T@ 6202 180-11-21 180-11-20 180-11-11 180-11-17

180-11-17

6208-6204 89-33-15 270-27-28 270-27-07 571.45 571.43

6204-6202 90-31-12 269-28-41 269-28-45 571.44 571.42

FS 6205 179-41-20 359-41-20 179-41-20 359-41-20

BS 6203 00-00-21 180-  
359-41-17 00-00-26 180-00-21

T@ 6204 179-40-59 179-40-53 179-40-54 179-40-59

179-40-59

6204-6205 89-57-43 270-02-08 270-02-13 673.79 673.79

6205-6204 90-05-38 269-54-05 269-54-14 673.71 673.71

JBR 11/07/84

11/07/84

Aspen, 15", S06°E, 41.07 ft. to 16d nail 6203 =  
C 1/4

Aspen, 18.2", S89°W, 57.43 ft. to 16d nail

Corner is 1/4" pipe bent  
over in swamp

571.425

60d spike

673.75

~~673.75~~

T57N R27W Sec 18 Sub.

Traverse Cont'd from Pg 74

STA 1<sup>st</sup> H40 2<sup>nd</sup> HAR 3<sup>rd</sup> H40 4<sup>th</sup> HAR  
H4

FS 6205 122-51-47 302-51-45 122-51-52 302-51-49

BS 6204 300-00-24 120-00-26 300-00-26 120-00-25

T@ 6205 182-51-23 182-51-19 182-51-26 182-51-24

182-51-23

D@ 6205-6206 88-37-20 271-20-34 271-20-37 57.53 57.53

D@ 6206-6205 91-58-22 268-00-18 268-00-58 57.55 57.52

FS 6207 177-23-39 357-24-14 177-24-19 357-24-17

BS 6208 00-00-21 180-00-18 00-00-20 180-00-19

T@ 6206 177-23-58 177-23-56 177-23-59 177-24-00

177-23-58

6206-6207 90-22-55 269-36-26 269-36-51 1138.98 1138.96

6208-6206 89-38-37 270-21-00 270-21-11 1138.96 1138.94

✓ JJA 11/07/84

11/07/84

60d spike

57.525

R. Oak (rotted stump, base scar, no scabing), S 18° W,  
21.0 ft. to 16d nail  
No trace of Aspen

6206 =  
CN 1/16

Corner is 1 1/4" pipe up 10"

1138.95

T57N R27W Sec. 18 Sub.

TRAVERSE Cont. From Pg 75

STA 1<sup>st</sup> H&O 2<sup>nd</sup> H&R 3<sup>rd</sup> H&O 4<sup>th</sup> H&R

	53		58	04-06	58
FS 27	179-03-57	357-03-29	179-03-34	357-03-29	
BS 6206	00-00-33	180-00-16	00-00-18	180-00-17	✓
T@ 6207	179-03-36	179-03-29	179-03-22	180-03-18	

179-03-95

6207-29	93-12-09	266-47-35	266-47-43	165.08	164.82
29-6207	86-55-35	273-04-00	273-04-13	165.05	164.81

164.815

FS 27	90-28-16	270-28-14	90-28-27	270-28-25
BS 6207	00-00-11	180-00-18	00-00-22	180-00-20
T@ 29	90-28-02	90-27-56	90-28-05	90-28-05

90-28-02

End Traverse

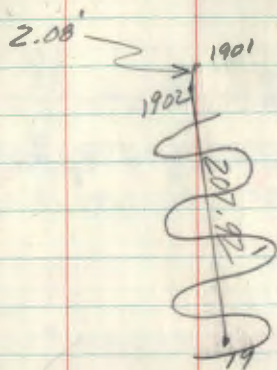
✓ 288 R 11/07/84

11/07/84

60d spike

NY4 Sec 18

Reset the N 11/6 of Section  
 T 57N  
 13/18 to proper position  
 R26W R25W



Reset the same monument from the two points listed above. Used same ties as before with the new distances and bearings listed below:

Sugar Maple 7.9 in N02°E, 39.72 ft

Sugar Maple 7.7 in, 566°E, 17.26 ft

Red Oak 6.1 in N74°W, 34.23 ft

Metal fence post south, 5.1'

Metal fence post 555W, 4.0'

See pp 70 This Book

Nov 30, 1984

Cloudy, calm.

P.C. 00 G. Kosenko

B. Avsk

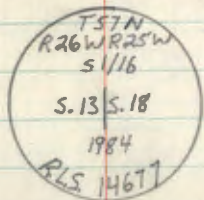
G. Robertson



T57N R25W Sec 18 Sub M-1

From PP 61, This Book

Reset S 1/16 corner between section  
13 & 18. Corner is a 3 ft. by 2 1/2 inch  
outside diameter concrete filled galvanized  
iron pipe with a 3 inch diameter  
brass cap stamped as shown:



Decl = 5° East

1 ft. above ground

From which:

W. Birch 5.8" S55°E 43.36' to a 16d nail in

W. Birch 9.7" S29°W 59.93' to a 16d nail in

W. Birch 6.4" N39°W 31.84' to a 16d nail in

Metal Fence Post S81°E 7.4 ft. w/54-2

Metal Fence Post N56°E 2.3 ft. w/54-2 &amp; 54-9

All BTs painted red with ring.

Nov 30, 1984

G. Kasenko PC

B. Ausk

G. Robertson

SW face, double blazed, ser. "S 1/16 S 18 BT" w/60d spike  
SE face, double blazed, ser. "S 1/16 S 13 BT" w/60d spike  
NE face, double blazed, ser. "S 1/16 S 13 BT" w/60d spike

