

T 147 N R 25 W. 5 P.M.

T 147 N

R 25 W

R 25

MINING TRANSIT BOOK

82073

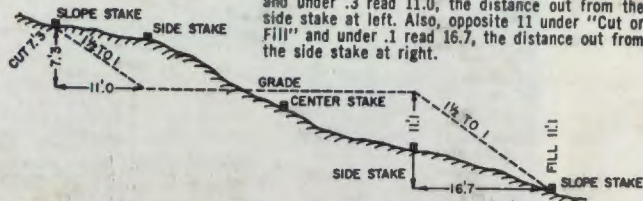
5⁵ P.M.

Book = 2

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

Roadway of any Width. Side Slopes 1 1/2 to 1.

In the figure below: opposite 7 under "Cut or Fill" and under .3 read 11.0, the distance out from the side stake at left. Also, opposite 11 under "Cut or Fill" and under .1 read 16.7, the distance out from the side stake at right.



Region 9 Forest Chippewa BOOK # 2

T. 147N R. 25W S. Principal No.

	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
A																								
B																								
C																								
D																								
E																								
F																								
G																								
H																								
J																								
K																								
L																								
M																								
N																								
O																								
P																								
Q																								
R																								
S																								
T																								
U																								
V																								
W																								
X																								
Y																								
Z																								

32	32.3	32.7	32.8	33.0	33.1	33.3	33.4	33.6	33.7	33.9	35
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4	36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9	39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40

KEUFFEL & ESSER CO.

For Curve Tables see end of book.

DISTRICT RANGER
U. S. Forest Service
P. O. Box 308
Deer River, MN 56636

Phone (218) 246-2123

FULL BOOK



The paper in this book is made of 100% high grade rag stock with a WATER RESISTING surface sizing.

KEUFFEL & ESSER CO.

• Think Metric: SI, SI!

• Remember:

1 foot (Industrial/industrial) = 0.3048 m
1 U.S. Survey foot = 0.30480061 m approx.

ACSM BULLETIN, August 1982 33

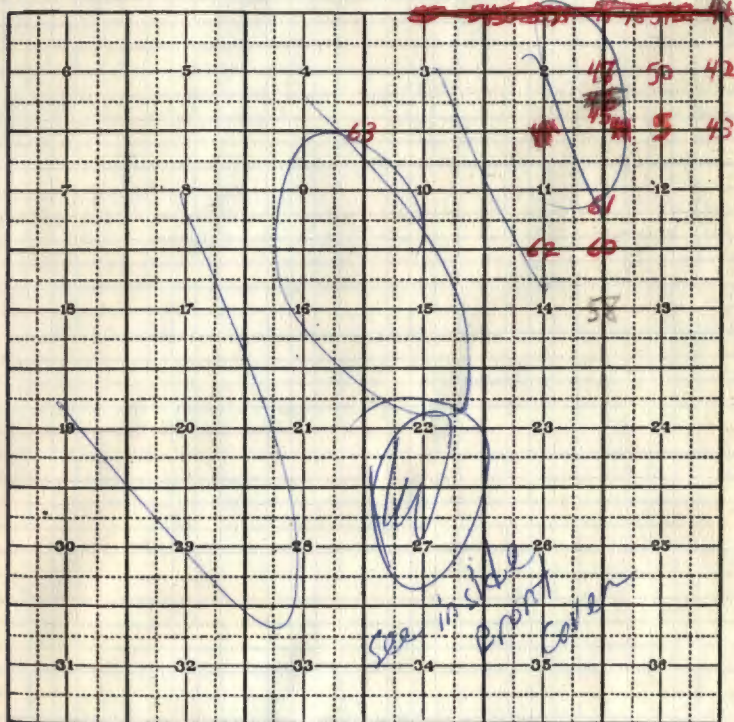
INDEX

- Inverse to C¹/₄ pg 68
Spor to CN 1/16 pg 69
- Traverse Around Sec 1 pp 2-20
Traverse around Sec 2, 3, 11 & 12 pp 21-35
Traverse between 13 & 14 pp 35-37
Traverse between Sec 11 & 12 pp 38-40
Resection of NW cor Sec 1 pp 66-67
Spor to set CN 1/8 from C¹/₄, Sec 1 pp 69, 80-81
Traverse to set corners around SW SW, Sec 1 pp 76-77
- RR ROW at Sec line of 18 12 pp 56-57
Trav to S¹/₄ Sec 11 & SE cor 12 pp 50-51
Trav to BT at E¹/₄ & SE cor of Sec 4 pp 58-59
- Blanks - ~~51~~, ~~52~~, ~~53~~

1 meter $\hat{=}$ 3.280839895 feet

FULL BOOK

T. 147 N R. 25W 5th Principal 19 Mos.



ALL X's to the Right

T^{10:00} Nov 18, 1981 Mostly Cloudy 31°F
K. Whitehorn R. Oleson 29.0 inHg

Litz T600 Ser. # 158816

Angle Slope dist (Horiz Dist)

T @ PT 20

To PT 19 89-43-30

804.156m
2638.30'

2638.27

T @ PT 20

BS PT 19 0:00 0-00

To PT 21 179-33² 179-26.1

2 357-46² 357-46.9

angle
left

Mean \angle 179° 26' 43"

T @ PT 20 0° 22' 15"

To PT 21 90° 21' 30" 269-37-00

804.647m

90-22-15

2639.91'

2639.85

T @ PT 21

BS PT 20 0-00²

FS PT 22 179-43^{1/2}

2 358-52²

angle
left

Mean \angle 179° 43' 12"

T @ PT 22 0° 05' 27"

To PT 21 90-05² 269-54'

657.892m

90-05-27

2158.43'

2158.43

GOTO PAGE 21 V BK 6R 9-16-82

5² P.M.
T 148 N R 25 W

4² P.M.

T 59 N R 27 W

NE cor
Sec 1
End I.P.
See T 49 N, R 25 W
BK 4, pp 24

19

Sec 17

E 1/4 cor
Sec 1
End I.P.
See page 44
This Book

20



SE Cor
Sec 1
End I.P.
See page 43
This Book

21

Sec 21

22

Closing 1/4 cor
Sec 21 End I.P.
See BK 1, Pg 30
T 59 N R 27 W
4² P.M.

10'45 30° F

	Angle	Slope dist	Horiz dist
TO PT 22			
BS PT 21	0-00°		
To P144	269-43°		
	4	358-53'	

Mean \angle 269° 43' 15"

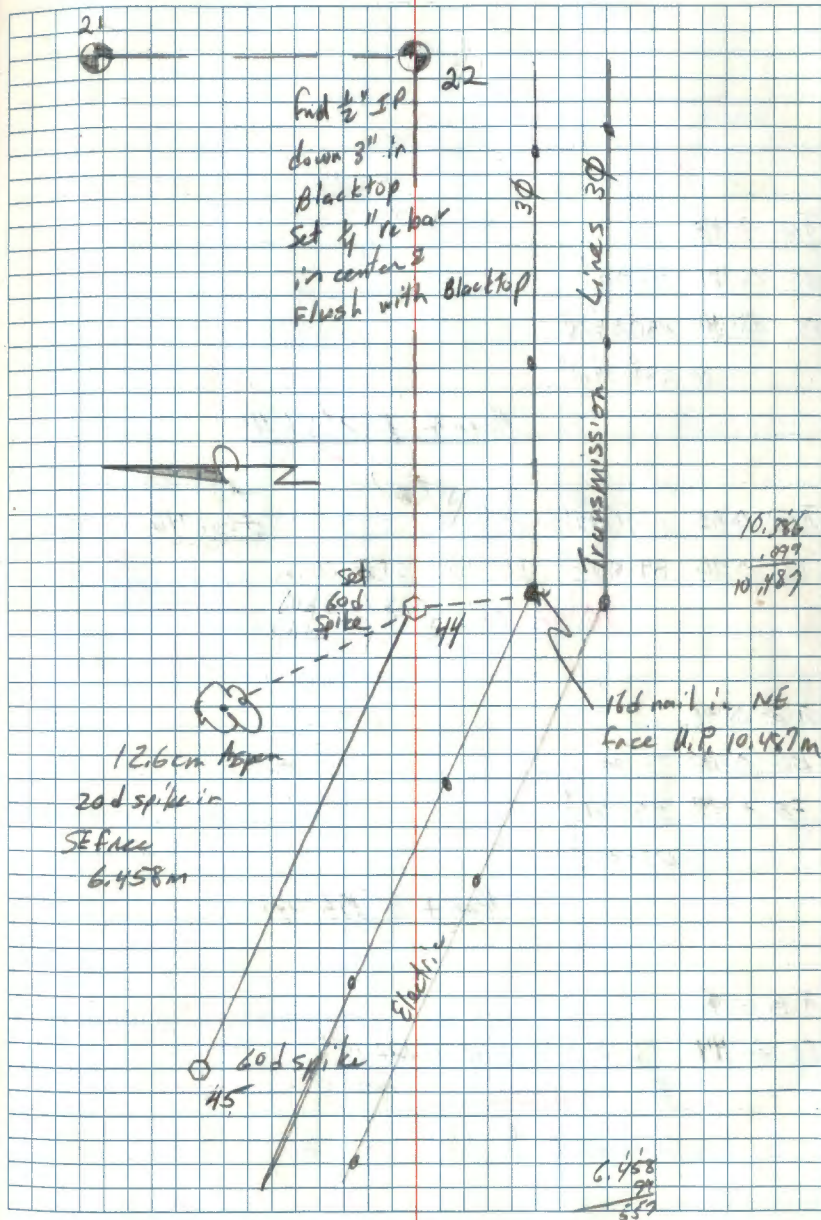
TO PT 22	0°05'09"		
TO PT 44	89-53°	270-04'	333.264m
	89-54-51	1093.38'	1093.33

TO :44			
BS PT 23	0-00°		
FS PT 45	196-48°		
	69-15°		
	<u>Mean \angle 196° 48' 49"</u>		

TO 45	0°12'00"		
T Δ 44	270° 11' 00	89° 47' 00	524.233m
	89-4800	1719.92'	1719.91

✓ OK 6k 9-16-82

(3)



E-23

Ties To S¹/₄ corner of
Section 1 (A #47)

See also Book #1, PP 45

8-29-82 ^{YL} Ken Whitehorn, RCS, and Glenn
Kosenko, USFS, lowered a 1/2 in
iron pipe and set a 2"x30"
aluminum monument with a 3/4 in
Aluminum cap stumped.

T147N R25W

Y4

S. 1

S. 12

1982

RCS 14677

monument protrudes 0.8 ft up in
marshy area. No other evidence
was found in the area.

Fence post W/54-9 East 2.0 ft

Pine Snag 18 in N42 1/2° E 86.00 ft to face
of blaze with scribe visible
scr: "S 1 B" visible, but blaze badly rotted

CERTIFICATE FILED

(5)

White Birch 6.5 in 582° E 37.70 ft to 16 d in N face

White Oak 8.0 in Twin 537° E, 37.90 ft to 16 d in S face

Certificate filed Dec 14, 1982

Doc # 355063

2:00 P.M.

29°F 29.60 in Hg -1 PPM
3m - reflector Constant

TB Δ 47

BS ⊙ 76 0-00²

FS ⊙ 48 213-24²

⑩ 133-38²

Mean \angle 213° 24' 46"

TB Δ 48 0° 24' 57"

TS ⊙ Δ 47 270-23² 87-34² 154.083m

89-35-03 505.52' 525.51

TB ⊙ 48

BS Δ 47 0-00²

FS ⊙ 49 166-03²

⑩ 304-14²

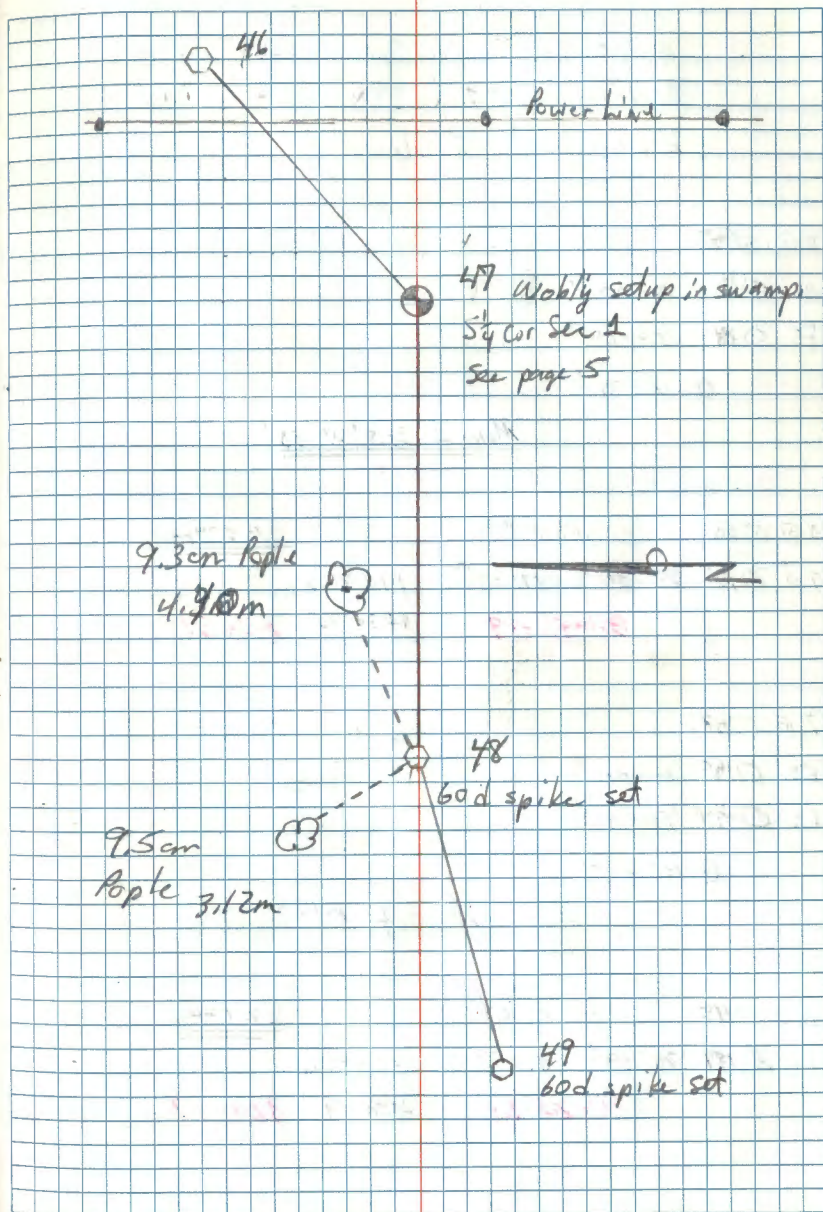
Mean \angle 166° 03' 48"

TB ⊙ 48 0° 25' 33"

TS ⊙ 49 267-33² 90-24² 250.056m

90-25-33 820.39' 820.37

✓ OK Hk. 9-16-82



11-30-81 Mostly Sunny Light Breeze
 29.4" Hg 34° F
 K Whitehorn R. Oleson

IB @ 49

BS @ 48 0-00°

FS @ 50 208-24°

① 113-38°

Mean 4 208° 24' 33"

11-30-81

IB @ 50 1° 04' 21"

TO @ 49 88° 34' E 271° 03' E 144.272m

88-55-39 473.33 473.25

IB @ 50

BS @ 49 0-00°

FS @ 51 184° 32' E

① 18° 09' E

Mean 4 184° 32' 27"

IB @ 50 0° 40' 00"

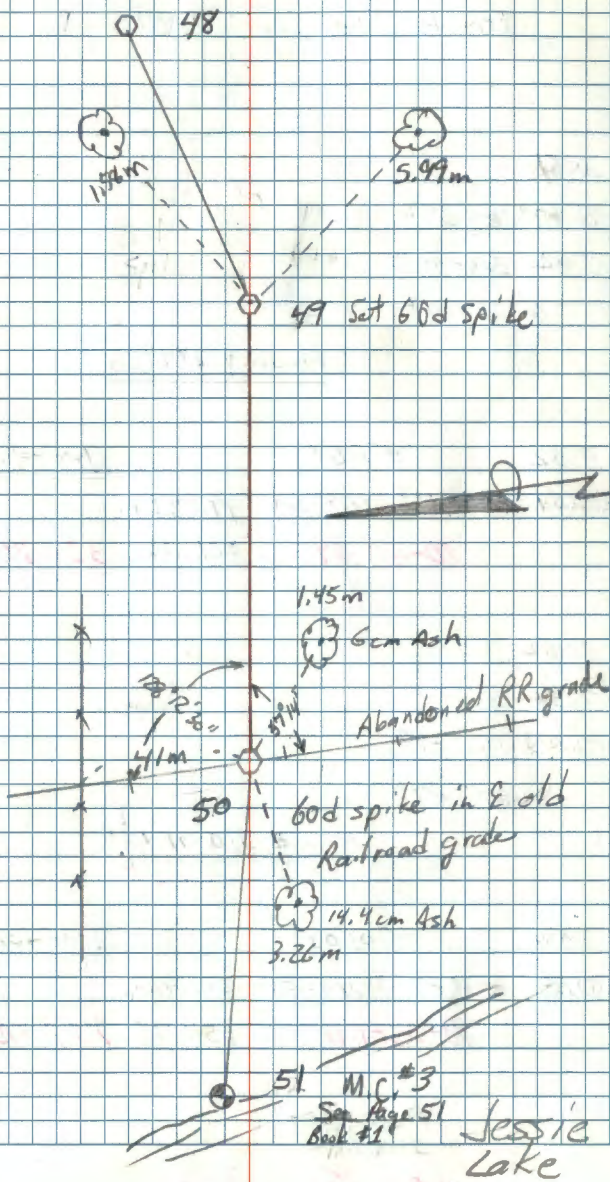
TO @ 51 90° 39' E 261° A° 124.409m

90-40-00 408.17' 408.14

✓ OK Pk. 9-16-82

359 59 60
 231-47-30
 128 12 30

7



T60 D 1cm Lower than Red 1A

TS $\Delta 51$

BS $\odot 50$ $284^{\circ}37'$

FS $\odot 52$ $284^{\circ}37''$

$\odot 58-29''$

Mean $\angle 284^{\circ}36'51''$

TS $\odot 52$ $0^{\circ}48'09''$

TO $\Delta 51$ $90^{\circ}47''$ $269^{\circ}10''$ $99.492M$

$90-48-09$ $326.42'$ 326.39

TS $\odot 52$

BS $\Delta 51$ $0-00''$

FS $\odot 53$ $110^{\circ}01''$

$\odot 80^{\circ}07''$

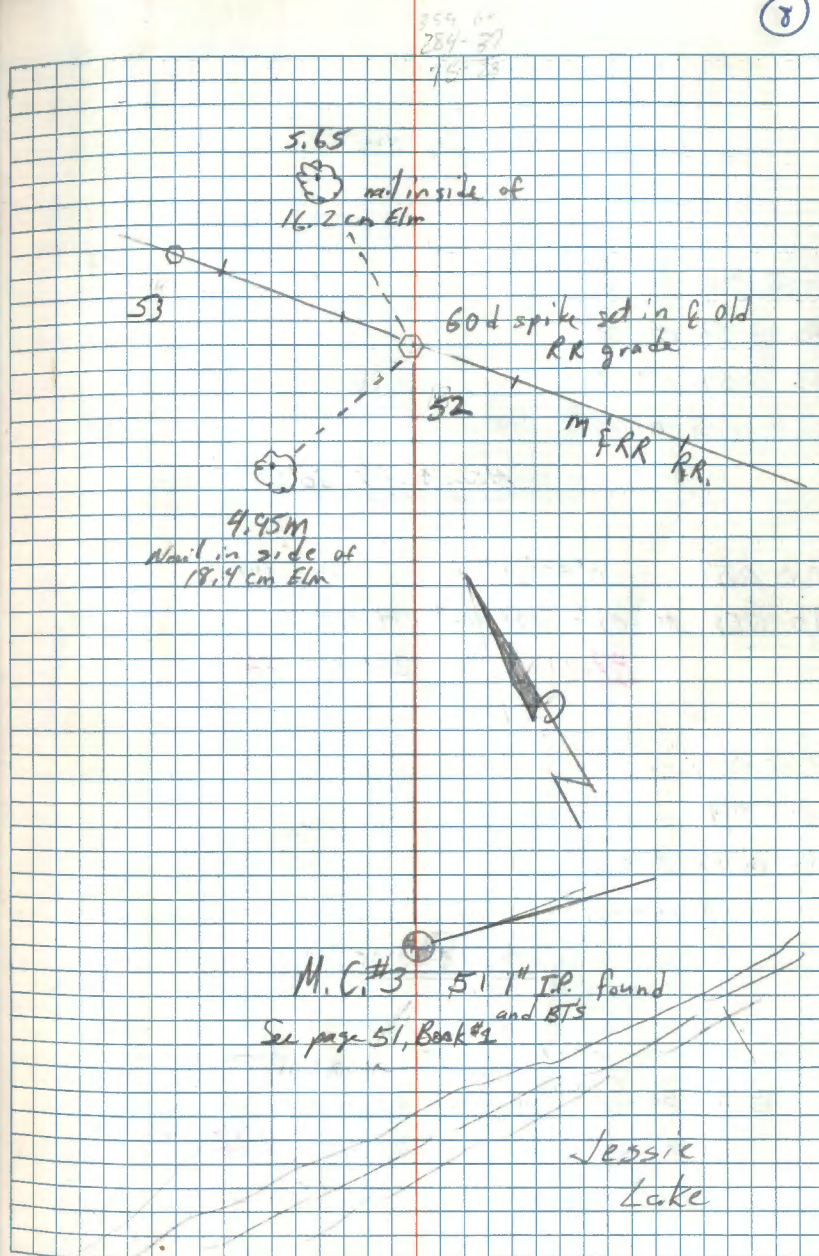
Mean $\angle 110^{\circ}01'46''$

TS $\odot 52$ $0^{\circ}03'03''$

TO $\odot 53$ $70^{\circ}02''$ $269-56''$ $230.963M$

$90-03-06$ $757.75'$ 757.75

OK GA. 9-16-82



ΔE T @ Δ53
 BS @ 52 0-00°
 FS Δ54 109-30°
 78-03°

Mean \angle 109°30'51"

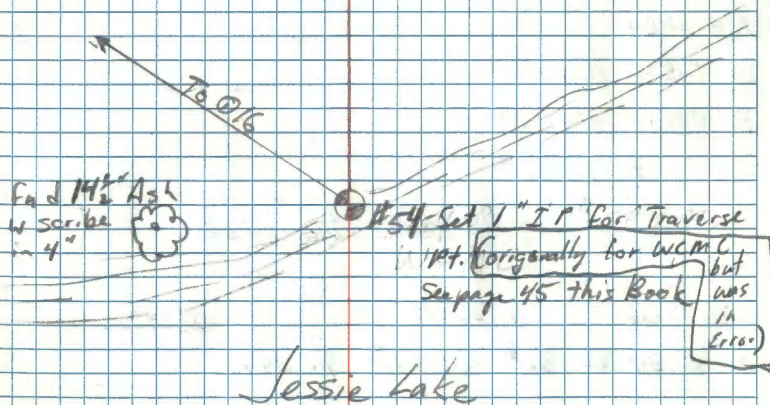
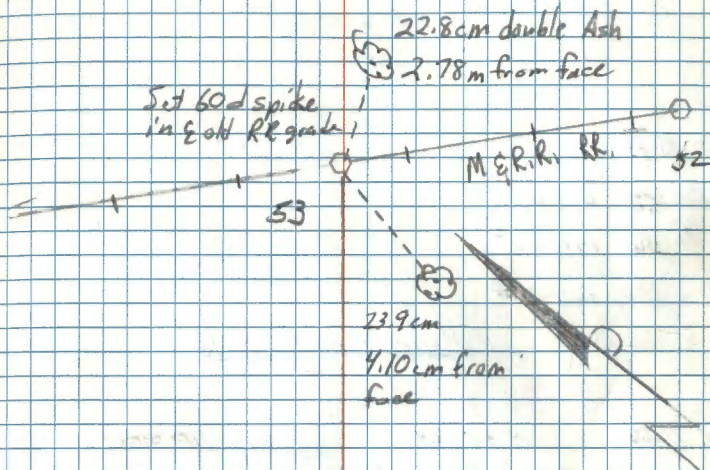
T @ Δ54 0°50'24"
 T @ 53 89-08° 270-49° 79.812m
 89-09-36 261.85' 261.82

ΔE T @ Δ54
 BS @ 53 0-00-00
 FS @ 55 305-11°
 140-43°

Mean \angle 305°10'56"

T @ Δ54 0°40'06"
 T @ 55 89-18° 270-39° 302.01'
 89-19-54 92.052m 301.99
 90-45° 269-11° 92.062m 302.006'
 0°47'00" 302.04' 302.00
 90-47-00 302.01

v OK br. 9-16-82



3

AB @ 55

B BS Δ 54 0-00°

F FS Δ 56 141-06'

⊙ 204-24°

Mean Δ 141° 06' 12"

AB Δ 55

90-35-24

0° 35' 24"

231.89' - 231.88

TO @ 55

90-34⁴ 269-23⁶

70.680 m (231.87)

89-32² 270-25⁸

70.671 m - 231.8653'

0° 26' 51"

231.86' - 231.85

89-33-09

AB Δ 56

B BS @ 55 0-00°

F FS @ 57 202-42°

⊙ 90-50°

Mean Δ 202° 42' 30"

AB Δ 56

1° 35' 21"

TO @ 57

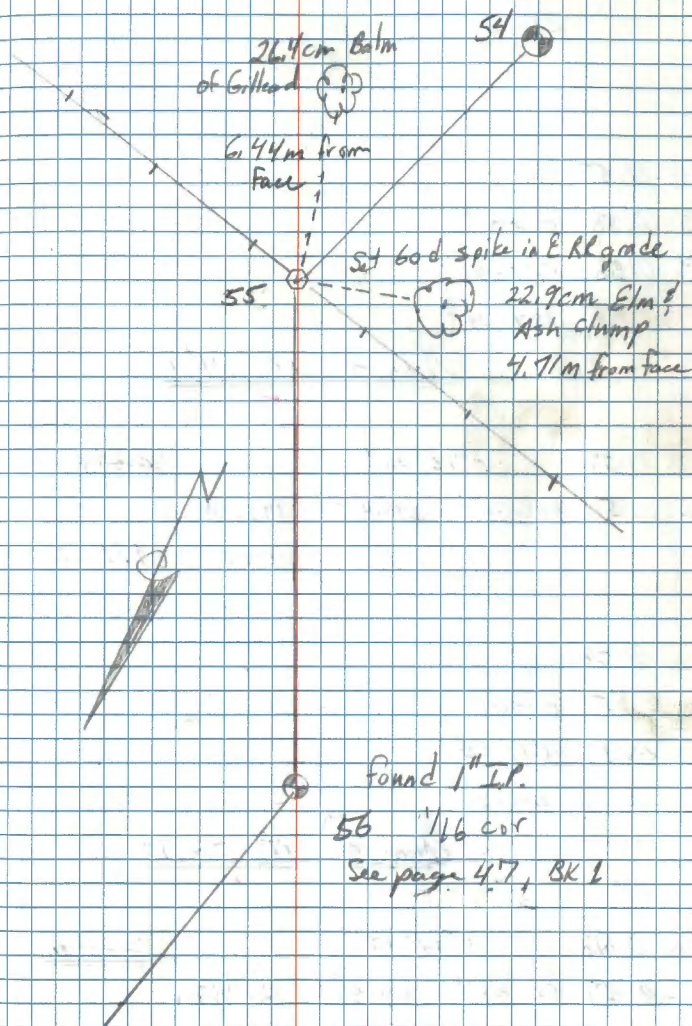
88-23⁵ 271-24⁴

92.347 m

88-24-33

302.98' 302.86

✓ OK Gk. 9-16-82



29° F 29.3 "Hg

IB 057

BS Δ 56 0-00°

FS 058 179-54°

① 357-30°

Mean \angle 179° 54' 12"

IB 057 0° 14' 06"

TO 057 90-15° 267-42° 143.746m

3 90-16-06 471.61' 471.60

IB 058

BS 057 0-00°

FS Δ 59 177-06°

① 356-24°

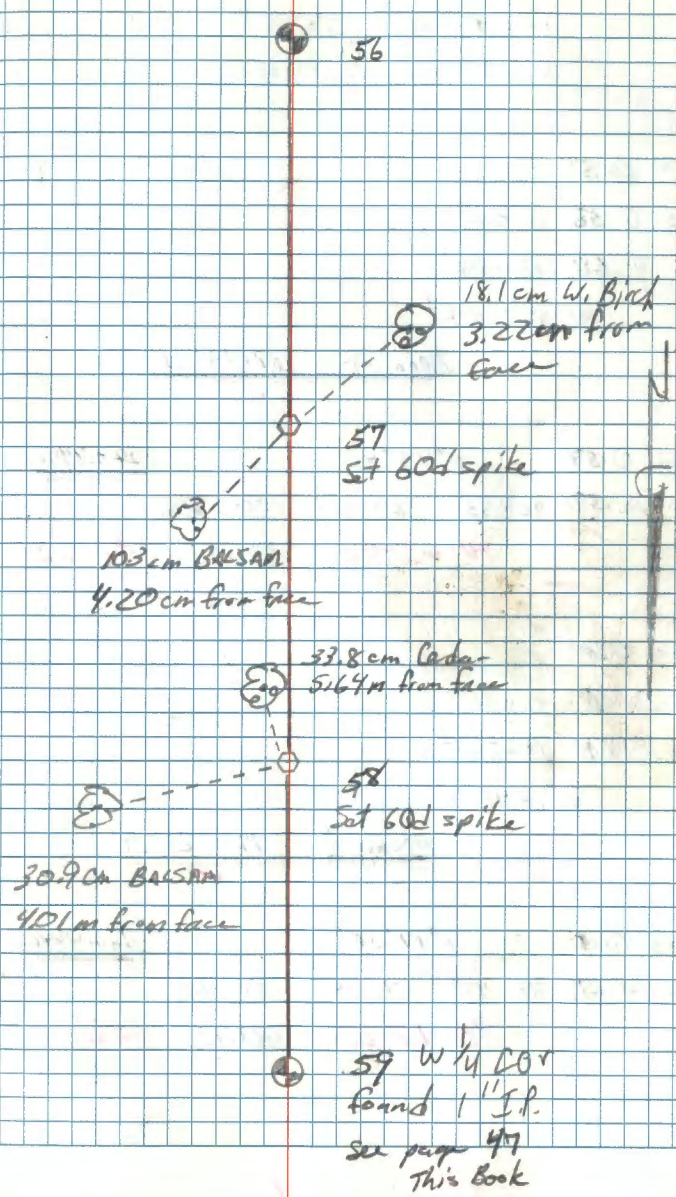
Mean \angle 177-06-12

IB 058 0° 04' 06"

TO Δ 59 90-03° 267-54° 160.488m

90-04-06 526.53 526.53

✓ OK CR 9-16-82



Dec 2, 1981 30°F cloudy calm winds

T60 D Ser # 158827 29.2" Hg

K. Whitehorn, R. Olason, T. Suddendorf

TB Δ 59

Bs Δ 58 0-00°

Fs Δ 60 268-59[±]

① 355-57[±]

Mean Δ 268-59' 21"

TB Δ 60 0° 45' 48"

TΔ Δ 59 90-53[±] 269-21[±] 100.598m

90-45-48 330.05' 330.02

TB Δ 60

Bs Δ 59 0-00°

Fs Δ 61 182-25[±]

① 9-42°

Mean Δ 182° 25' 30"

TB Δ 60 1° 17' 33"

TΔ Δ 61 88°-49[±] 271-24[±] 187.065m

88-42-27 613.73' 613.57

✓ OK Pr. 9-16-82

W $\frac{1}{4}$ cor
Sec 1

59 found 1" IP in swamp



60
set 60d spike
No Ties Taken



61



TB 061

BS 060 0-00°

FS 062 181-20°

④ 5-20°

Mean \pm 181°20'07"⁸
✓

TB 062 0°15'00"

To 061 90-22³ 269-52² 116.319m

90-15-00 381.62' 381.62

TB 062

BS 061 0-00°

FS 063 89-24°

④ 357-35°

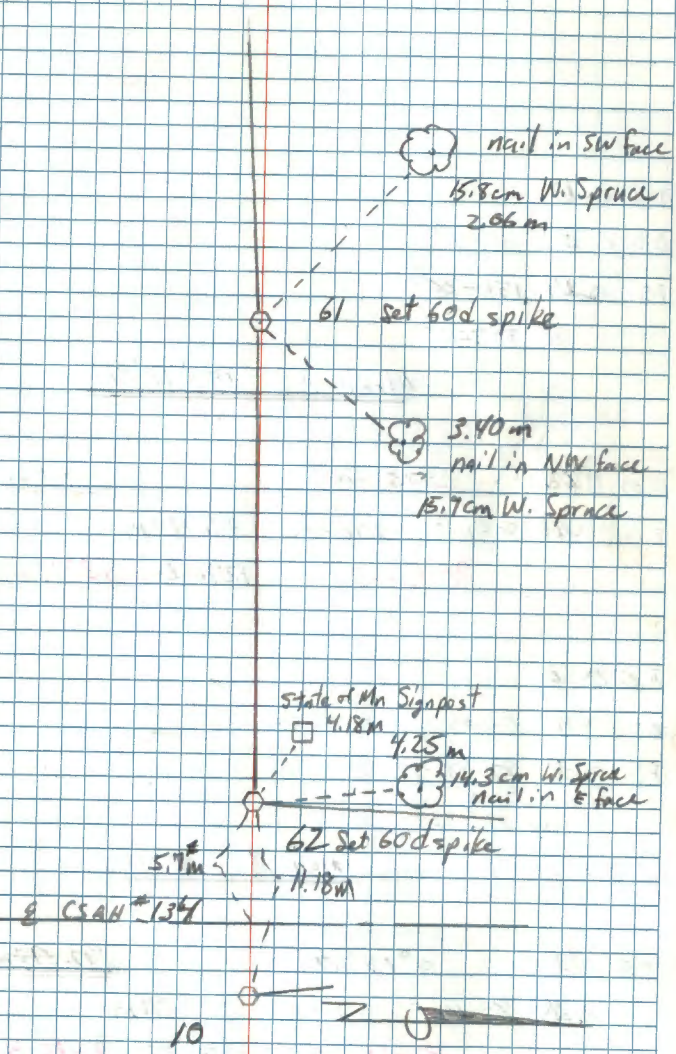
Mean \pm 89°23'58"⁹

TB 062 0°08'36"

To 063 89-58² 270-16° 399.391m

89-51-24 1310.34' 1310.34

VOK Sk. 9-16-82



T @ 63

BS @ 62 0-00-00

FS @ 64 179-18°

④ 357-12°

Mean \pm 179° 18' 00"

T @ 64 ~~0° 07' 45"~~

FO @ 63 90-11¹ 270-03⁴ 389.120m

90-03-51 1276.64' 1276.64

T @ 64

BS @ 63 0-00-00 0-00-00

FS @ 8 ~~88-56-15~~ 88-49-25

④ ~~355-19-45~~ 355-17-35

Mean \pm 88° 49' 24"

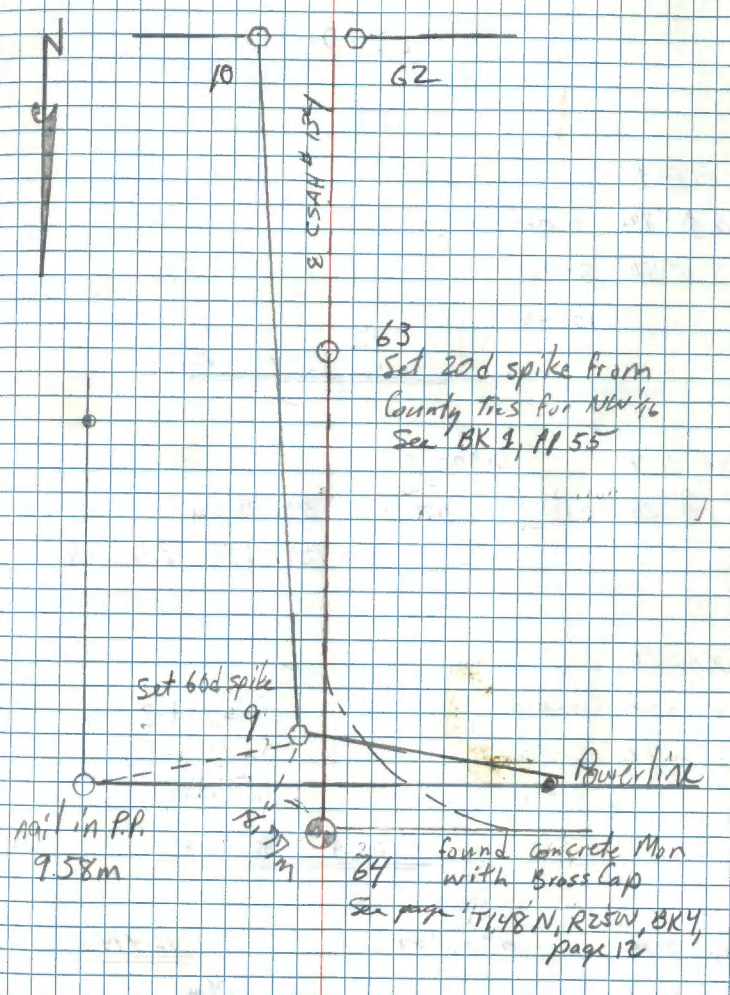
78

T @ ⑨ 0° 13' 37"

T @ 64 90-14-00 269-46-45 390.502m

90-13-38 1281.17' 1281.16

VOKOK 9-16-82



AB 8

BS 64 0-00-00

FS 9 2-41-20

④ 10-45-15

Mean 2° 41' 18"

AB 8

0° 02' 55"

BS 9 89-57-45 270-02-35 394.055m

89-57-35 1292.83' 1292.83

AB 9

BS 8 0-00-00

FS 10 268-1640

④ 353-07-00

Mean 268° 16' 45"

AB 10

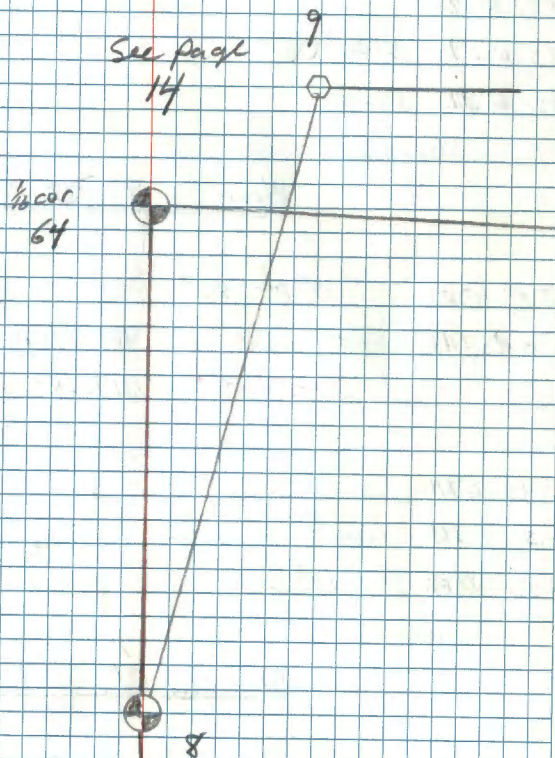
0° 07' 09"

BS 9 90-01' 270-13² 769.679m

89-53-57 2525.19' 2524.15
2525.18

Last Number Used (#64)

OK Bk. 9-16-82



SEE FOR 1, 2, 35, 36
 SET 200 spike from
 Traverse point
 1" If Bent over (ground frozen
 can't straighten)
 See page 49 this Book

30° F Cloudy 29.15" Hg
Show flurries

IB 0.10

BS 0.9 0-00°

FS 0.11 89-48³ 2

④ 359-13'

Mean 89° 48' 16"

IB 0.10 0° 29' 36"

To 0.11 90-37° 269-39³ 401.496m

90-2936 1317.24' 1317.19

IB 0.11

BS 0.10 0-00°

FS 0.12 142-27³

④ 209-49'

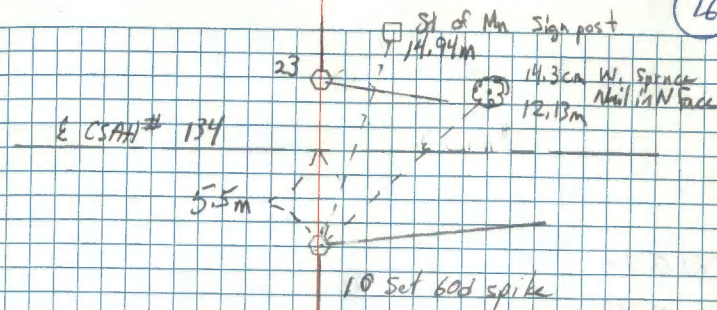
Mean 142° 27' 16"

IB 0.12 0° 47' 06"

To 0.11 90-51.2 269-17.0 81.438m

90-47-06 267.17' 267.14

OK OK Ch 9-16-82



found 1" IR and
County files
See page 52 this book

Electric Power line

11 City
12 Set 60d spike

11.2
5.0
6.5

ABO 12

BS Δ 11 0-00°

FS \odot 13 126-57.4

① 147-50.1

Mean $\&$ 126° 57' 38"

ABO 12 0° 11' 21"

To \odot 13 89-56.1 270-18.8 744.729 m

89-48-39 2443.33' 2495.32

ABO 13

BS \odot 12 0-00°

FS Δ 14 89-18°

① 357-16°

Mean $\&$ 89° 18' 46"

ABO 14 ~~0° 07' 21"~~

To \odot 13 90-11° 270-02° 67.448 m

90-04-27 221.29' 221.29

✓ OK Gr. 9-16-82

2.1 m
14.8 m

Nail in S face
15.6cm Balsam

② 10.35 m

Set 60d spike
12

8m

③ 10.07 m

17.3 cm Balsam
Nail in SE face

Powerline



nail in 29cm Balsam

④ 6.98 m

Set 60d spike
15 14.8 m

7.1 m

⑤ 8.05 m

⑥ 14.33 m

Set 60d
Spike

Nail in 9cm Balsam

14
1/4 cor

TR Δ 14

BS Δ 13 1-00°

FS Δ 15 00-38°

① 2-32°

Mean \bar{x} $00^{\circ}38'10''$

TR Δ 14

$0^{\circ}11'33''$

246.40'

TS Δ 15 90-18° 269-55° 75.104 m 246.40

90-11-33

Wild TIA Ser # 117621

Dec 3, 1981 K. Whitehorn R. Oleson T. Snodden

TR Δ 15

RW

R.O.

BS Δ 14

0-00°

0.00-00

FS Δ 16

179-56-50 179-56-45

① 359-46-25 359-46-30

Mean \bar{x} $179^{\circ}56'37''$

TR Δ 16

$0^{\circ}27'37''$

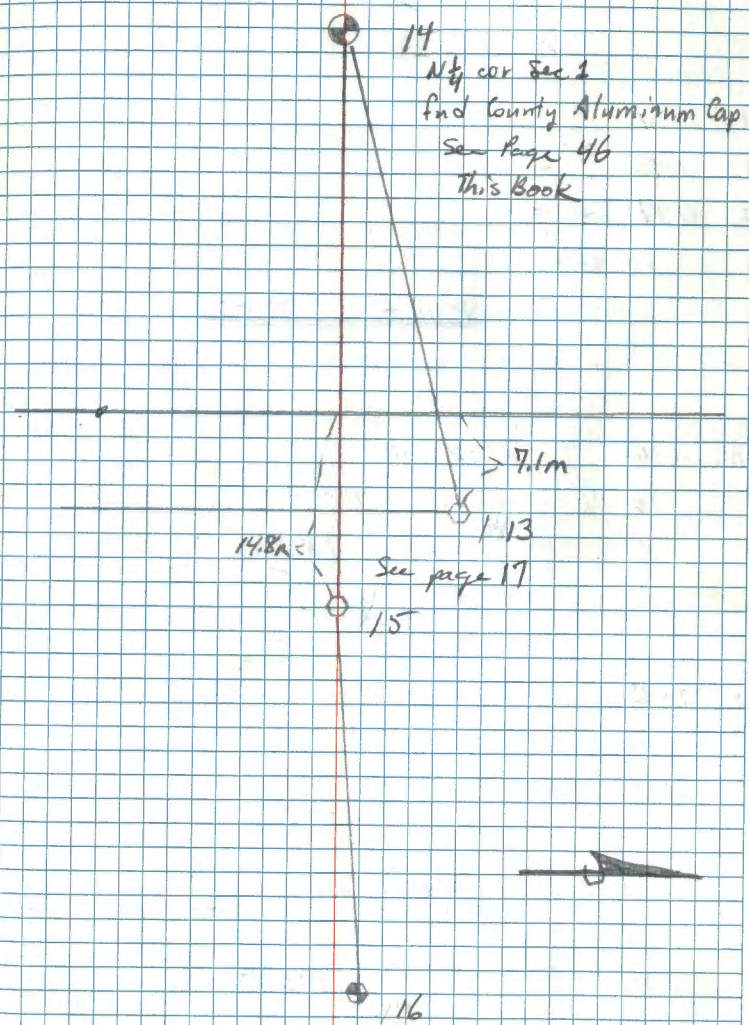
TS Δ 15

89-32-45 270-28-00 328.634

89-32-23

1078.19' 1078.16

✓ OK R.R. 9-16-82



28° F Cloudy Calm Winds
29.35 ¹/₁₆

AB @ 16

BS @ 15 0-00

FS @ 17 180-00-00

④ 00-00-20

Mean & 180°00'05"

AB @ 16 0°08'20"

TO @ 17 89-52-00 270-08-40 449.699_m

89-51-40 1475.39' 1475.39

AB @ 17

BS @ 16 0-00

FS @ 18 180-16-45"

⑦ 1-07-25"

Mean & 180°16'51"

AB @ 18 10°58'12" 142.49'

TO @ 17 100-58-15 259-01-50 43.432_m 139.89

100-58-13

✓ OK PR 9-16-82

15



16

Found 2" Galv IP with
2 1/2" brass cap
Cap is stamped for both
Sec 36 and Sec 1, this is
incorrect, should only
be for Sec 36, TURN R 25N

Sec T148N, R25W, 134, pp11

19.5cm Cedar



4.96m

17 set 60d spike

5.24m

16.5cm Balsam



18 set 60d spike

AB @ 18

BS @ 17 ~~0-00-00~~ 0-00-00

FS @ 19 ~~179-28-05~~ 179-28-20

④ ~~157-53-25~~ 157-53-20

Mean 179°28'20"

AB @ 18 1°46'45" 177.02' 176.93

TO @ 19 91-46-50 28-13-20 53.955m

91-46-45 53.952

AB @ 19

BS @ 18 0-00-00 0-00-00

FS @ 20 271-10-15 271-10-10

④ 4-42-10 4-42-05

271-10-32

271-10-31

Mean 271°10'32"

GOTO PAGE 2

✓ OK OK. 9-16-82

20

17
Set 60d spike

18
Set 60d spike
No ties taken

19 See page 2

1-14-82 K. Whitcomb R. Oleson T. Sankendorf
-10°F 29.35" Hg

IB @ 22

BS @ 21 00-00-00

FS @ 23 179-04-20

④ 356-17-50

MEAN \bar{x} 179-04-28

IB @ 23 00° 03' 35"

To @ 22 90-03-20 269-56-10 2657.57' 2657.57

90-03-35

IB @ 23

BS @ 23 00-00-00

FS @ 24 211-19-55

④ 125-17-00

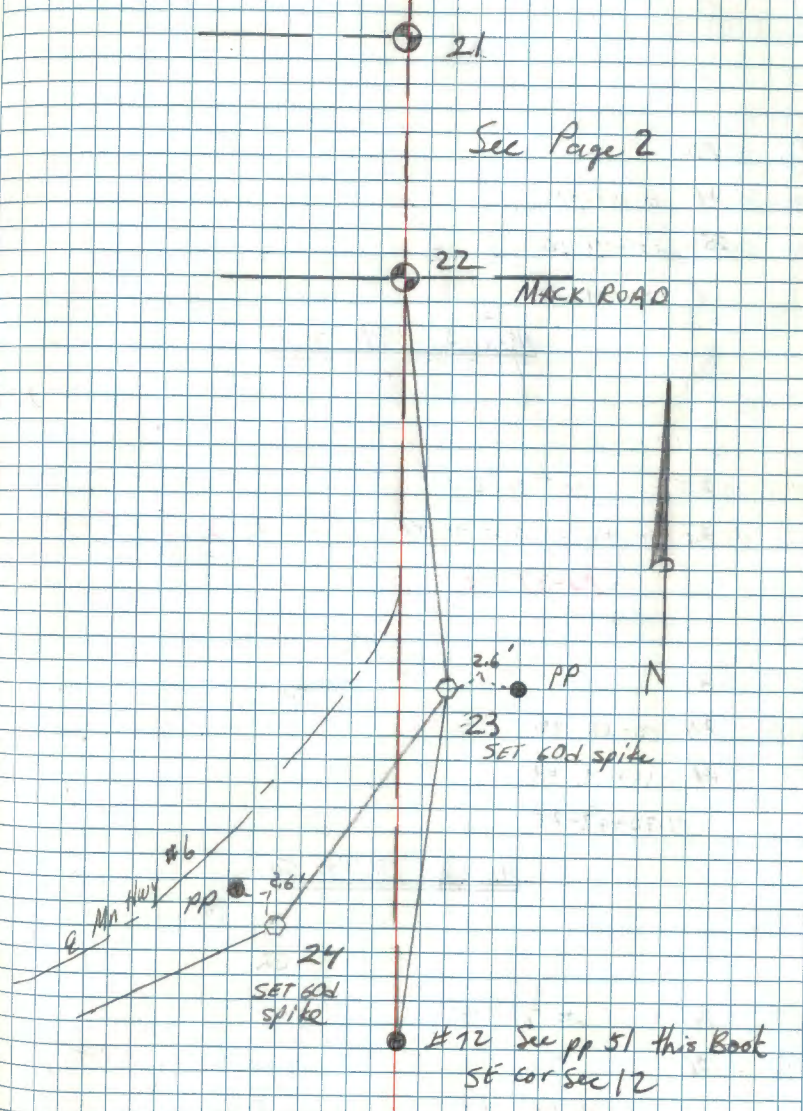
MEAN \bar{x} 211° 19' 45"

IB @ 23 ~~269-28-50~~ ~~268-29-50~~ 90-31-00 0° 31' 05" 489.85'

To @ 24

489.8349

6/3/82 90-31-12 ~~269-28-42~~ 0° 31' 15" 489.86 ft
Whitcomb 62°F 90-31-15 29.80 in Hg 0 PPM 489.81



See Page 2

MACK ROAD

N

PP

23
SET GOLD SPIKE

24
SET GOLD SPIKE

#12 See pp 51 this Book
SE cor Sec 12

IB 0.24

BS 0.23 0-00-00

FS 0.25 231-41-20

④ 206-44-45

Mean \angle 231°41'11"

IB 0.25 00°31'50"

To 0.24 90-31-30 269-27-50

527.72' 527.70

90-31-50

IB 0.25

BS 0.24 00-00-00

FS 0.26 187-42-05

④ 30-47-20

Mean \angle 187°41'50"

IB 0.25 00°12'15"

To 0.26 90-12-00 269-47-30

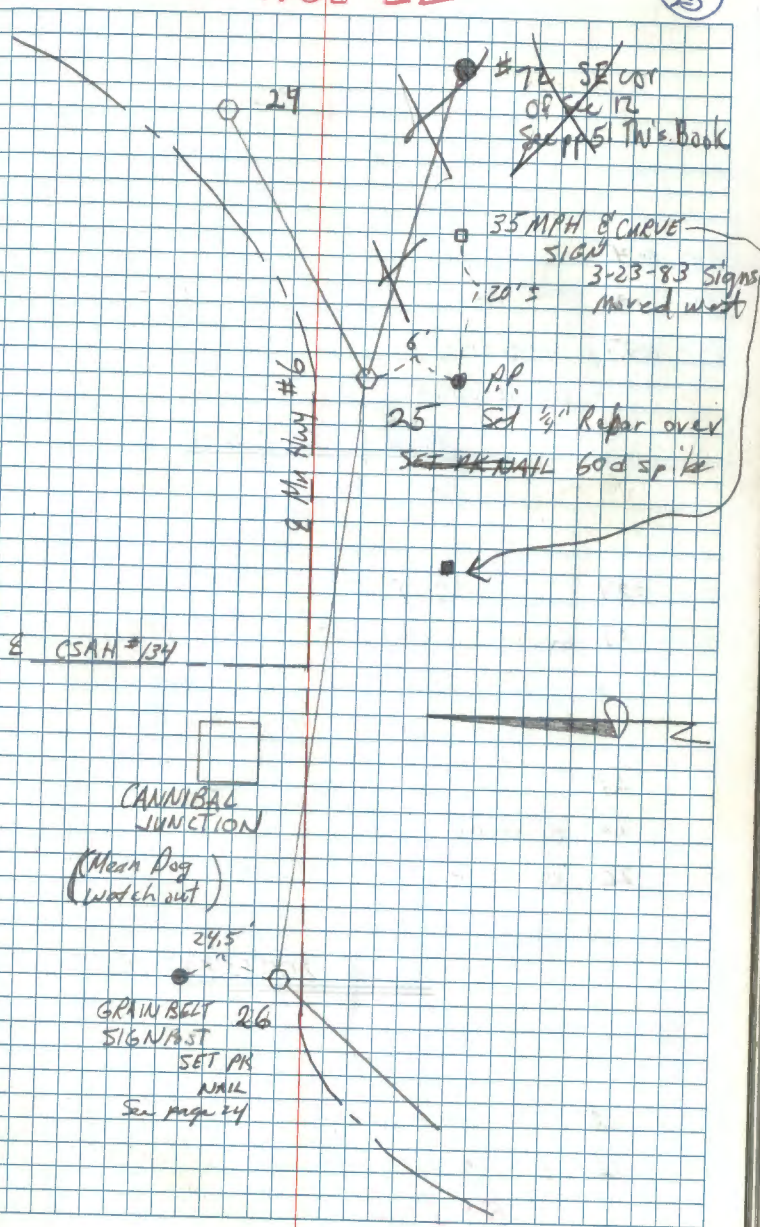
3859.20' 3859.18

90-12-15

✓ OK PR 9-16-82

NOTE: NO PAGE 22

23



IB 026

BS 025 00-00-00

FS 027 142-42-50

④ 210-51-00

Mean \angle 142°42'45"

29 ✓

IB 027

00°25'20"

To 026 89-34-20 270-25-00 1037.42' 1037.39

* 89-34-40
Go to page 38 for Loop North
Go to page 35 for Loop South

IB 027

BS 026 00-00-00

FS 028 230-37-35

④ 202-19-30

Mean \angle 230°37'23"

*

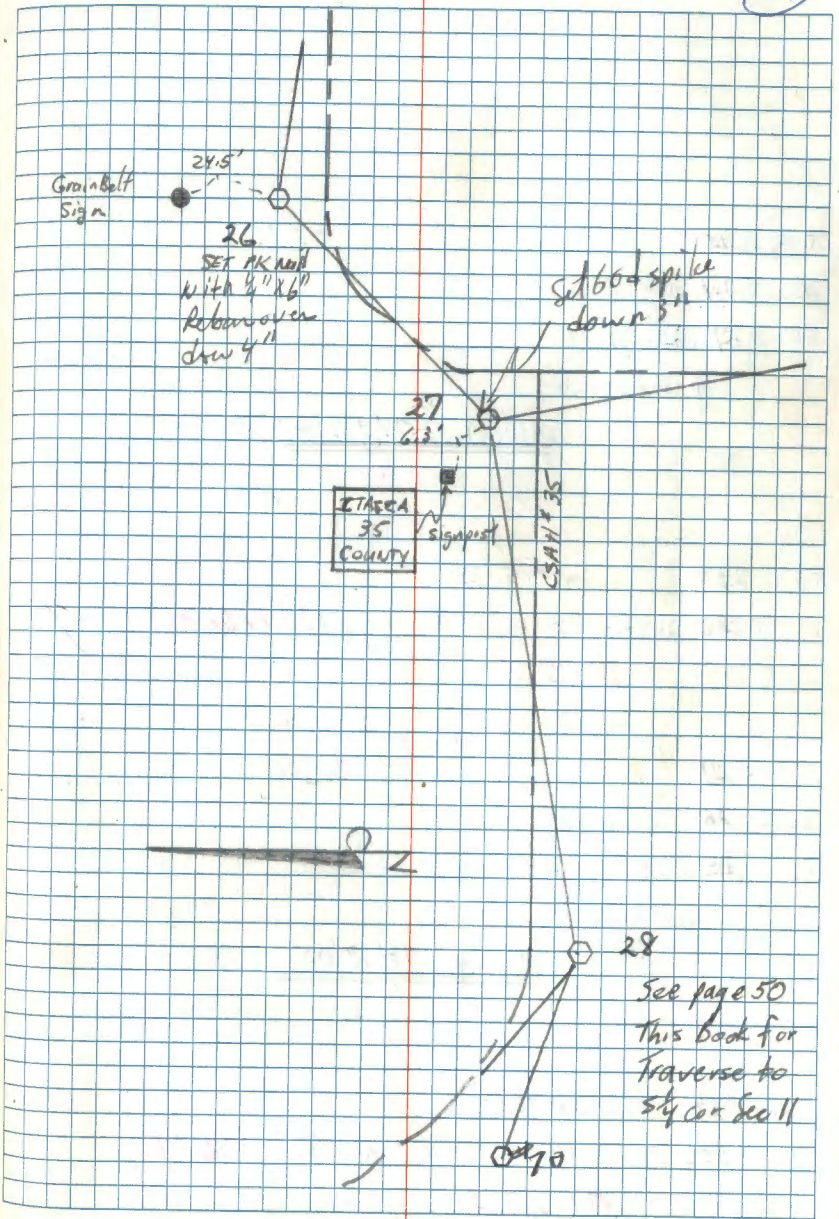
IB 027

00°02'15"

To 028 89-57-50 270-02-00 1565.38' 1565.38

89-57-45

✓ OK OK 9-16-82



π @ 28

BS @ 27 00-00-00

FS @ 29 @ 207-31-20

① 110-05-20

Mean 4 207°31'20"

π @ 29

00°15'33"

To @ 28 269-44-05 90-15-10 776.82' 776.81'

90-15-33

π @ 029

BS @ 28 00-00-00

FS @ 30 @ 218-17-55

① 153-12-00

Mean 218°18'00"

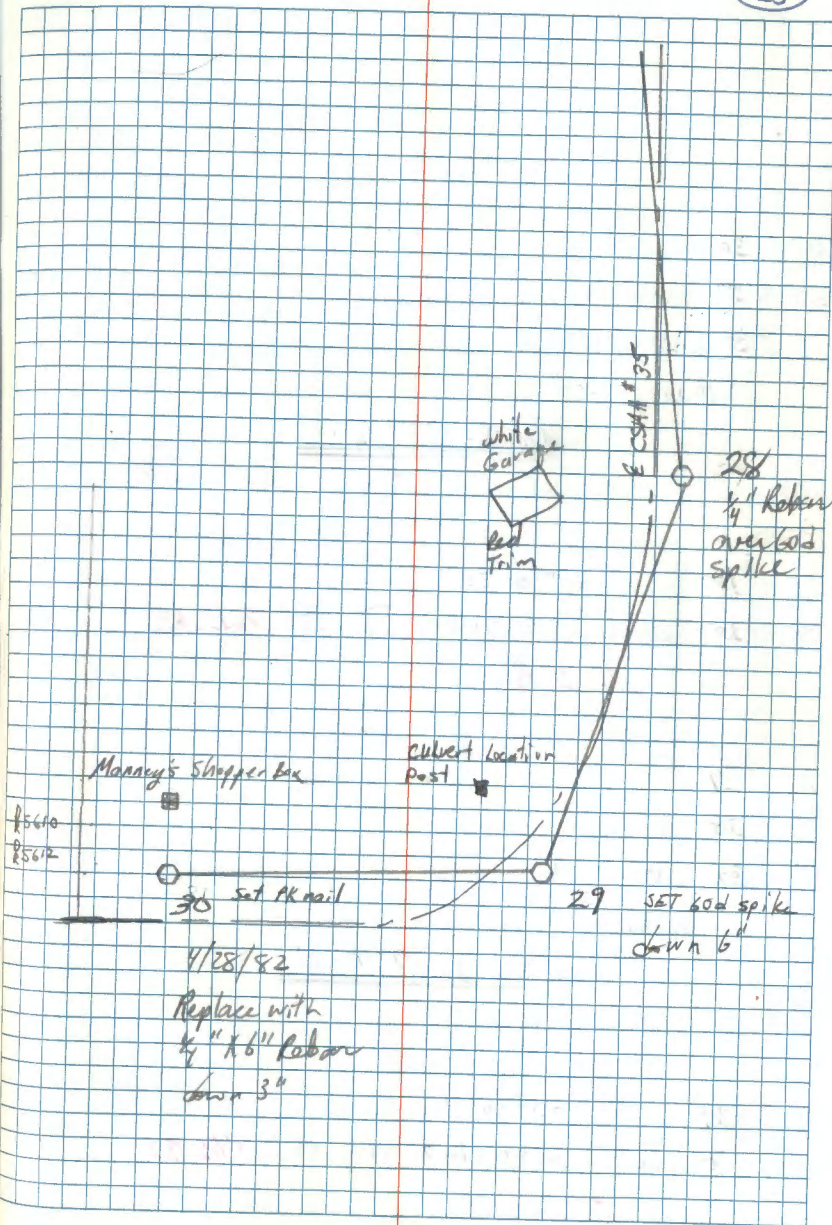
π @ 029

00°30'30"

To @ 30 270-30-10 89-29-10 1998.88' 1998.80'

89-29-30

✓ OK GR. 9-16-82



TR @ 30

BS @ 29 00-00-00

FS @ 31 @ 152-23-30

@ 249-33-50

Mean \angle 152° 23' 28"

TR @ 31 00° 28' 30"

To @ 30 269-31-05 90-28-05 762.65 ft **762.62**

90-28-30

TR @ 31

BS @ 30 00-00-00

FS @ 32 @ 178-06-40

@ 352-25-55

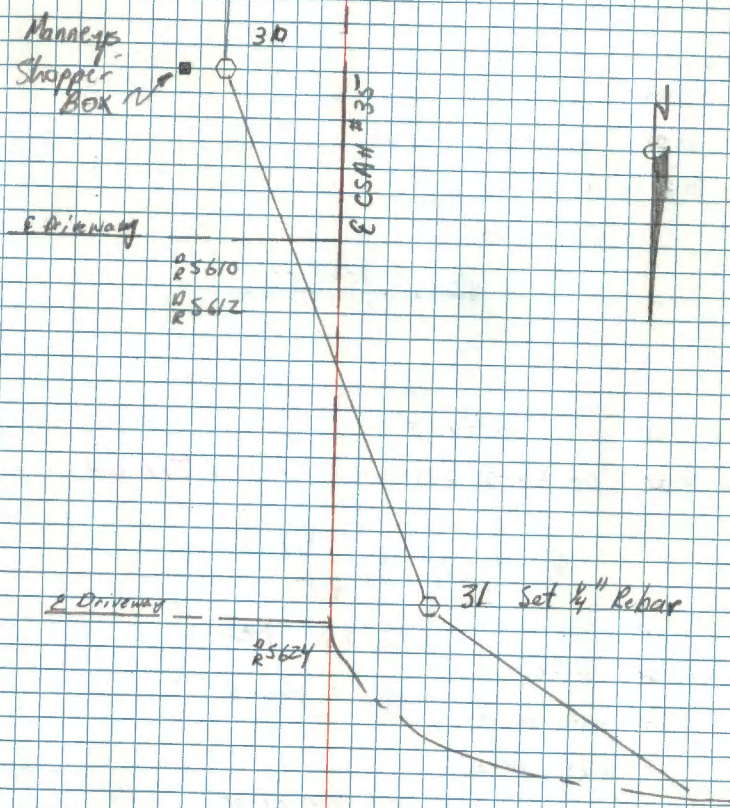
Mean \angle 178° 06' 29"

TR @ 31 00° 24' 15"

To @ 32 269-35-30 90-24-00 2406.99 ft **2406.93**

90-24-15

✓ OK GR 9-16-82



+5°E 29.25" H_y

IB @ 32

BS @ 31 0-00-00

FS @ 33 @ 158-19-05

@ 273-16-10

Mean \angle 158° 19' 03"

IB @ 33 00° 49' 13"

To @ 32 90-48-59 269-10-30 911.72 \pm 911.63

90-49-13

Go to page 41

✓ 0 10

6/3/82 KLV

IB @ 33

BS @ 32 00-00-00

FS @ 34 @ 148-52-10

@ 235-28-20

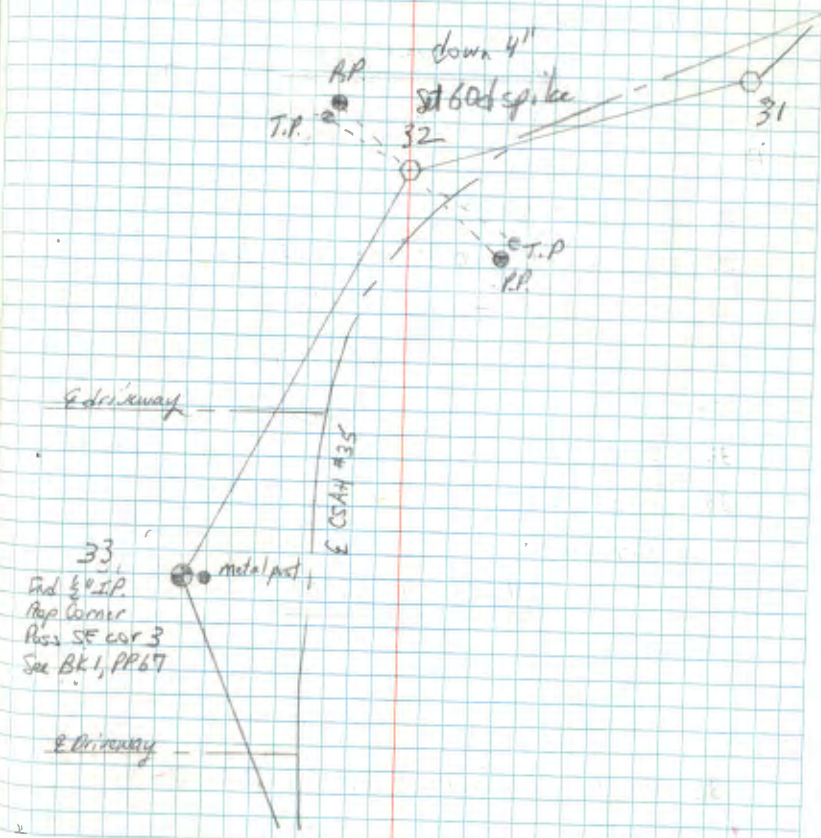
Go to page 41

Mean \angle 148° 52' 05"

IB @ 33

To @ 34 90-06-30 270-01-00 5352.23 A.

✓ OK dh 9-16-82



1-15-82 K. Witchorn R. Oleson T. Suddendorf
29.30" Hg -4°F

AB @ 36

BS @ 35 00-00-00

FS @ 37 @ 88-11-30

@ 352-45-50

Mean \angle $88^{\circ}11'28''$

AB @ 37 00°07'25"

IO @ 36 90-07-10 269-52-20 2372.99 ft **2372.98**

90-07-25

AB @ 37

BS @ 36 00-00-00

FS @ 38 @ 126-35-55

@ 146-23-00

Mean \angle $126^{\circ}35'45''$

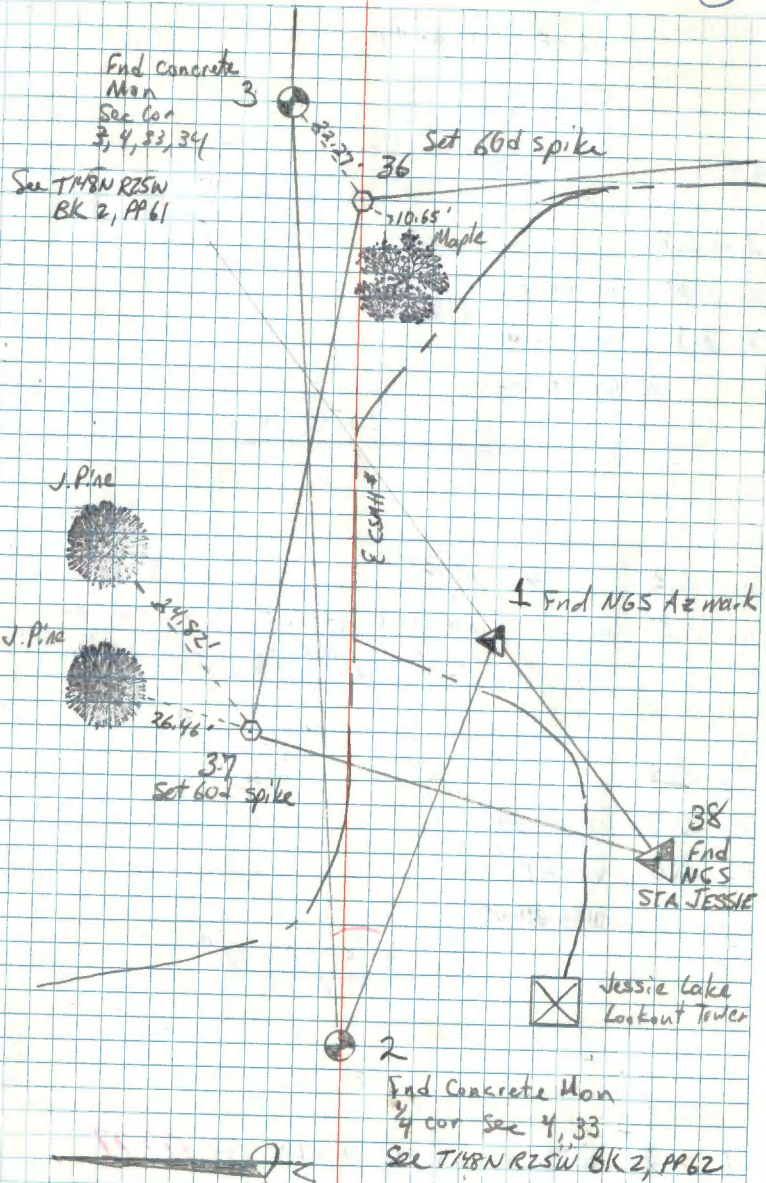
AB @ 37 00°27'40"

IO @ 38 89-32-00 270-27-20 256.05 ft **256.04**

89-32-20

OK OK 9-16-82

(29)



-6°F 29.30 in Hg

T @ Δ 38

BS @ 37 00-00-00

FS A 1 @ 20-46-20

④ 43-05-05

Mean 20°46'16"

T @ Δ 1 00°21'48"

53.471 M

To Δ 38 90-21-30 269-37-66 175.43

G/3/82 89-46-06 ~~90-21-48~~ 270-13-30 0°13'42" 53.470 M 175.42

WHITENORN 70°F 29.75 in Hg

T @ Δ 1

BS Δ 38 00-00-00

FS @ 2 @ 62-27-10

④ 249-4940

Mean 62°27'18"

T @ Δ 1

To Δ 2 90-15-50 269-51-20 179.77 ft 179.77

~~90-12-10~~ 179.745

Last Number Used (#38)

See page 29 For sketch

See page 29 for sketch

TO Δ2

BS Δ1 00-00-00

FS Δ3 ① 329-28-55

② 237-55-40

Mean 329°28'55"

TO Δ3 00°20'33"

TO Δ2 89-39-00 270-20-05 2554.19 ft 2554.14

89-39-28

TO Δ3

BS Δ2 0-00-00

FS Δ4 ① 181-16-30

② 5-05-05

Mean 181°16'16"

TO Δ3 4°05'05"

TO Δ4 94-04-50 265-54-40 1190.69 ft 1187.67

94-05-05

✓ OK 6/2 . 9-16-82

1-19-81 K. Whitehorn R. Oleson

L. BROWNER

Sunny/Windy -6°F 29.80"Hg

IB Δ4

BS Δ3 0-00-00

FS Δ5 179-33-30

③ 358-13-40

Mean Δ 179-33-25 ✓

IB Δ5

To Δ4 90-00-00 269-59-45 6494.34 ft **6494.34**

IB Δ5

BS Δ4 0-00-00

FS Δ4 179-23-55

③ 357-35-00

Mean Δ 179°23'45" ✓

1-15-82 Whitehorn, Oleson Sudendorf

IB Δ6 2°57'30"

To Δ5 92-57-00 / 267-02-00 279.66 ft **279.28**

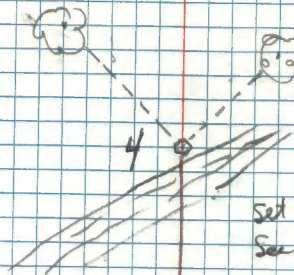
92-57-30

Go to PAGE 34

✓ OK BK 09-15-82

OK
3-11-85
12-20-82
Possibly
to
Need checking

59'
Elev

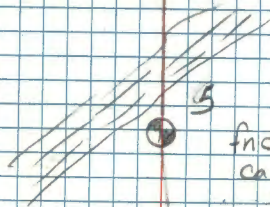


25'
Elev

Set 60 d spike
See T148N, R25W, BK2, PP60

JESSIE

LAKE



find County Aluminum
cap flush

See T148N R25W, BK2, PP59



6

CSA # 134

29.4 -10°F

TO Δ 5

BS @ 6 ~~00-00-00~~ 00-00-00

IS Δ 43 ~~00-44-10~~ 00-44-30

@ 2-58-30

Mean ± 00° 44' 38"

TO Δ 5

1° 32' 33"

TO Δ 43 88-27-00 271-32-05

168.15 ft. 168.10

88-27-28

TO @ 6

BS Δ 5 00-00-00 00-00-00

IS Δ 43 358-54-30 358-52-40

@ 355-32-05 355-30-30

Mean ± 358° 52' 38"

TO @ 6 4° 57' 40"

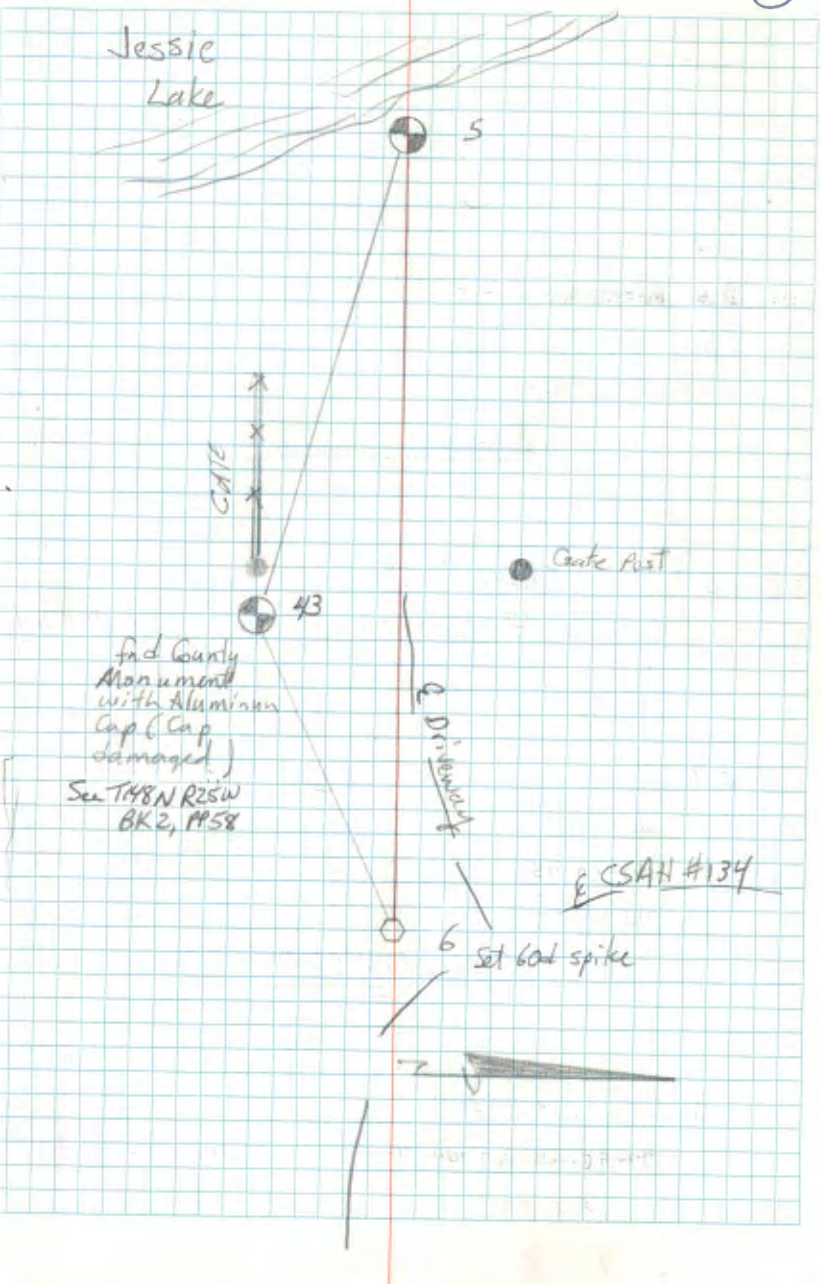
TO Δ 43 94-57-20 265-02-00

111.66 ft. 111.24

94-57-40

✓ OK Gr. 08-15-82

Jessie Lake



find County Monument with Aluminum Cap (Cap damaged)
See T48N R25W BK 2, P 58

Dike

CSAH #134

Set 60t spike



IB 66

BS 65 0.00-00

FS 67 184-21-00

① 17-23-00

Mean 184-20-45

IB 66

1° 21' 10"

To 67 291-20-50 88-38-30 744.75A 744.54

88-38-50

IB 67

BS 66 00-00-00

FS 68 177-50-05

① 351-19-20

Mean 177° 49' 30"

IB 67

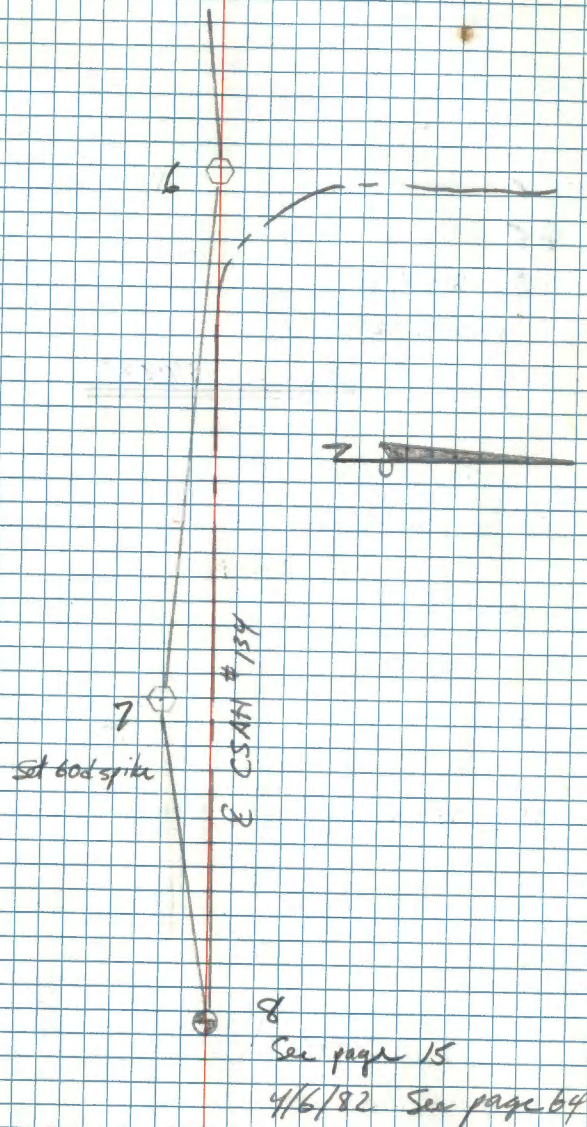
00° 19' 30"

To 68 270-19-00 89-40-00

1673.94A 1673.91

89-40-30

✓ OK GR 9-15-82



TR @ 28

BS @ 7 00-00-00

FS @ 9 183-08-20

@ 12-32-20

Mean \pm 183°08'05"

✓

GOTO PAGE 15

TR @ 27

BS @ 26 00-00-00

FS @ 39 124-22-20

@ 131-24-50

Mean \pm 124°22'13"

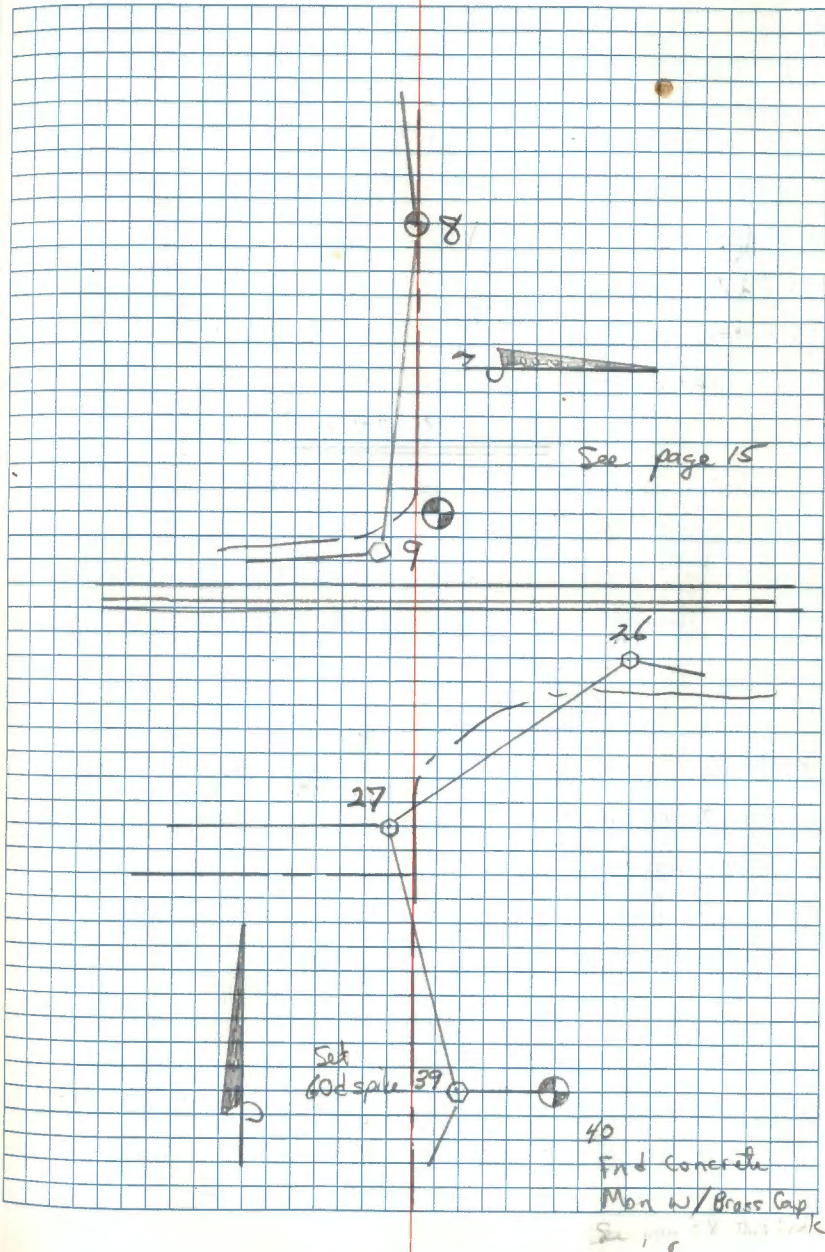
✓

TR @ 27 00°26'40"

To @ 39 89-33-00 270-26-20 2037.04 ft. 2036.98

89-33-20

VOK GK 9-15-82



See page 15

Set
60d spike

40
Find concrete
Mon w/ Brass Cap

TR 039

BS 027 00-00-00

FS 040 96-25-10

① 192-50-50

Mean $96^{\circ}25'25''$

TR 039

To 040 98-40-30 16.20 ft chained

16.01

TR 039

BS 027 00-00-00

FS 041 181-46-50

① 7-06-05

Mean $181^{\circ}46'31''$

TR 041 $00^{\circ}07'13''$

To 039 89-52-30 270-06-55 2611.36 ft

2611.35

89-52-48

VOK Ch. 9-15-82

Rowling Store



41

E CSAH # 133

E FS Rd # 2105

42

Find
 $\frac{1}{4}$ " I.P.
darker 4"
See page 59
This Book

E ROWLING #6

TC 041

BS 039 00-00-00

FB 042 (1) 100-24-30

(2) 200-49-05

Mean \angle 100°24'33"

TC 041

To A42 93-07-10 104.72 ft. chained

104.56

Last Number Used (#64)

V OF Pt 9-15-82

See sketch on Page 36

Lake Jossie Traverse

March 3, 1982 - Cloudy & cold. ^{Oleason} Sudden clorg
 Temp. - 18° Hg 29.9

T@ 27

BS 26 0-00-00

F.S. ~~43~~ 304-45-45

④ 139-02-00

Mem 304-45-30

T@ ~~43~~ 65 11 30

To 27 89-48-30 0°11'10"

270-10-50

596.43'

596.43

89-48-20

T@ ~~43~~ 65

BS 27 0-00-00

F.S. ~~66~~ 181-11-05

④ 4-44-10

Mem 181-11-05

T@ ~~43~~ 65

To ~~43~~ 6 90-18-00 0°18'15"

269-41-30

372.00' ?

371.99

90-18-15

BT.

T@ ~~43~~ 65

BS 27

F.S. BT 172°17'-00"

Point ~~43~~ 65

See page 60 this book

T@ ~~43~~ 65

To BT. 94-48-30

68.41' with tape

spike in face of BT.

1 @ #66

B.S. ~~43~~ 650-00-00

F.S. ~~43~~ 67199-12-25

④ 68-49-55

mean 197-12-~~28~~

1 @ ~~#~~⁶⁷ 9 30

To ~~66~~⁶⁷ 89-50-30

0°09'15"

270-09-00

371.73'

371.73

89-50-45

1 @ #67

B.S. ~~64~~ 0-00-00

F.S. ~~68~~ 147-27-00

④ 229-47-55

mean 147-26-59

1 @ ~~#~~ 67

To ~~#~~⁶⁸ 90-22-35

0°22'48"

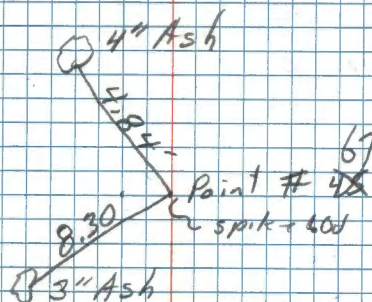
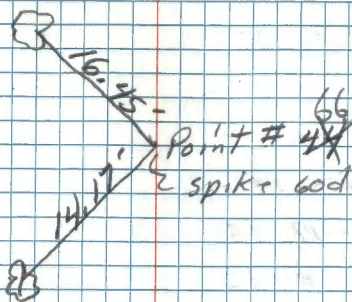
269-37-00

695.94'

695.92

90-22-48

✓ OK ²⁹⁵ 9-15-82



T@ #68

BS. ~~67~~ 0-00-00

FS 51 202-47-25

④ 91-08-40

Mean 202-47-10

T@ 51

To ~~68~~ 90-01-05

0° 01' 22"

269-58-10

3941.67'

3941.67

90-01-28

T@ 51

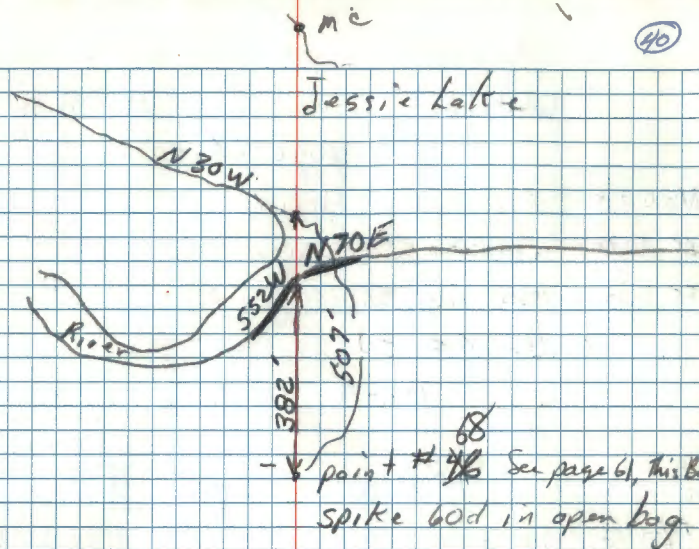
BS. ~~64~~ 0-00-00

F.S. 50 279-52-00

④ 39-27-00

Mean 279-51-45

* Last Number Used (#68)
✓ OK fh. 9-16-82



Point # 51 is MC, sec. 19/12

Point # 50 is point on old RR. grade

6/3/82

Whitehorn

68° F

29.80 in hg

See page 28

TB 033

BS 032 0-00-00

FS 034 0 148-59-24

① 235-58-06

Mean 4 148° 59' 32"

TB 034

0° 03' 03"

FO 033 90-02-00 269-56-54

90-03-03

5347.7166	
0 ppm	.68
	.67
	.70
5347.70	.75
	.75
5347.75	.74
	.74
5347.74	.69
	.69
5347.69	
	1 PPM

TB 034

BS 033 0-00-00

FS 035 274-02-24

① 16-10-00

Mean 4 274-02-30

TB 034

0° 37' 51"

FO 35 89-22-06 270-37-48

89-22-09

0 PPM	
	.70
3425.71	
3425.72	
	.73, .73
1 PPM	.72, .74
	.74, .74
	.74
	.74

TB 035

BS 034 0-00-00

FS 036 177-02-24

① 348-08-54

Mean 4 177-02-14

Go to Page 28

See BK 1, PP 76
See BK 2, PP 59

~~DE-21~~ DE-21

10-5-82

K. Whitehorn

G. Kosenko

Scattered Clouds/calm

18°F 29.75" Hg

MC #2 Sec 2, T14N
R25W

T2 SN: 265184

Red IA SN: 4863

D₁

R₁

TB 056

BS 055 0-00-20

180-00-18

FS Sec La 22-16-35

202-16-33

22-16-75

22-16-15

Area 4 X 22-16-15

Pushed Sec South & intersect 246.4 ft from

1920 sandy BT

TB 50

70 Prism 90-46-15

498,25

After search found NE BT
Reverse scumbe visible (see pictures)
iron has been washed out again
pipe from distances & bearing
came out as follows

DE-21 South

92

Ash N 18° E (MAG) 26.4 ft

Ash N 19° W (MAG) 32.7 ft

dig 7' south of iron approx 18in deep
Under water no evidence of post point,
part of old log lying embedded - the sand
had marks that could be construed for axe
and had flattened sides (see pictures)
not convincing enough. Will wait till
it dries out & look at it again.

Jan 17, 1983 - no marks even appeared to
rotted ~~iron~~

Temp has to
iron pipe

⊙ Ash (16d nail)

17.0 ft
7.20 ft

⊙ Birch (16d nail)

7.0 ft

Jessie
Lake

See Book 1, P 50 & 77
See This Book, PP 45

E-25

Standard Section Corner 1 and 12
T14.7N R25W on 3^d Guide Meridian

w. Cedar 51.5 inch N65°W 35.40 ft to face blaze
scribed "T147 R25 S12" and "P"

Tamarack 8.2 inch S76°W 49.38 ft to face blaze
scribed "T147 R25 S1" and "BT"

6 in Cedar post with metal location poster
beams N68E 8.0 ft from Cedar
BT, No marks on post

See page 63 of Book 1

See page 2 this Book

CERTIFICATE FILED

43

E 1/4 corner of Sec 2, T147N R25W

12-8-82 Find Iron pipe & set rebar over
Ken Whitehorn, RLS & Ernie Theriault,
volunteers found: Deel 5° E

J. Pine 8.3 in N49 1/2° W 62.27 ft to 20d
Hd nail on SW face. Scribe visible
on upper & lower blazes "T147 R25 1/4
S1" and "BT" dist to face of BT
base blaze is 62.05 ft

J. Pine 11.0 in N88° W 63.05 ft to 20d
nail in southerly face. Scribe visible
on upper & lower blazes "147 R25
1/4 S" and "B" 63.00 ft to base blaze
Face between B & T.

fallen cedar
post 6 in N88° W 34.8 ft Location
posts attached. No marks on posts
(~~blazes~~) dtd 1935 by AMJ

5985 Find old pine stamp with possible blaze
mark - not real convincing N63° W 5985 ft
to face of blaze

Ties to 1 in iron rod 2.95 ft S 05° E
of Traverse #21

J. Pine 8.3 in N48° W 64.40 ft to 20d
nail in S face

J. Pine 11.0 in N85° W 63.42 ft to 20d
nail in S face

Cedar post 6 in N83 1/2° W 35.2 ft
Location Reden

5984 Find old pine stamp with possible blaze marks
not real convincing N61° W 61.4 ft to
face of blaze

12
at
9 ft
DE-21 South

Property Corner

W.C.M.C. to MC* 2

between Sec 1 & 2 T147N R25W.

See Book #1, pp 50.

10-18-82 G. Kosenko & Ken Whitehorn set
5/8 inch x 96 inch Aluminium rod
monument with 3/4 inch Aluminium
Cap stamped

T147N R25W

W.C.M.C.

9.00 ft. NORTH OF MC.

S. 2. S. 1

Drove Mon through
~~Lowered~~ find I.P.

1982

R.L.S. No. 14677

1920 Ash Stub N13°W 32.30 ft to face
scribe visible of blaze

1920 Ash Stub N26°E 26.90 ft to face
scribe visible of blaze

New W. Cedar 16.5 inch N06°E 104.48 ft to 16d
nail in east face up 1 foot. Double blazed
and scribed "W.C.M.C. S1" and "BT"

See this Book, pp 42
See BK 1 pg 50 & 77

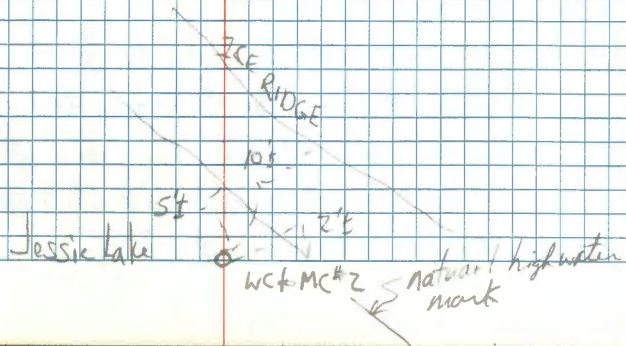
With 60d spike vert in base blaze. Painted red
enamel & 54-8 tag attached

New Black Ash 7.0 inch N35°E 37.10 ft to 16d
nail in North face. Double blazed and scribed "W.C.M.C. S1"
and "BT". 60d spike vert in base blaze. Painted with
red enamel & 54-8 tag attached.

New White Cedar 16.5 in N78°E 57.30 ft to 16d
nail in SW face. Double blazed & scribed "W.C.M.C. S1"
and "BT". Set 60d spike vert in base blaze. Painted
with red enamel and 54-8 tag attached

Lowered Monuments 1.0 ft below surface
to hopefully prevent ICE damage

8 ft steel fence post NORTH 5.0 ft with 54-2
& 54-9 tags attached



0-21 A-23

N¹/₄ cor Sec 1, T147N, R25W
Sec. T.148N, R25W, BK 2, pp 56

12-8-82 Ken Whitburn, PLS and Eric Thordahl
volunteers, found 1.5 inch rusty
iron pipe with ~~2.5~~ 2.5 inch
aluminum up 1.7 ft and stamped:

T.148N
1/4 5/36
4 5/1
T147N

also found 1.5 inch (O.D.) iron pipe
on East side of monument up
0.3 ft. No sign of 1920 BTs
but found:

Clump 5.5 inch
11.7 inch

W. Birch 13.7 in N8°E 65.07 to 20d
~~to~~ nail in east face cut into
base blaze scribe visible, upper
blaze grown shut 64.86 ft to BT
blaze between B & T.

White Birch 11.8 inch 522°E 38.95 ft to 20d
nail in SW face 38.63 ft to base blaze between the
B & T. Upper blaze almost grown shut but some
scribe marks visible

C-21

Property Corner

1/4 cor between Sec 182 T147N R25W
See Book # 1, pp 46

8.24.82 Ken Whitehorn, RLS, & Glenn Kosenko,
decl 50°E USFS, pulled 2 1/2" x 1/2" iron pipe and
dug with shovel to set 2 in x 5 ft
galv iron pipe with 3 in Brass cap.
found old post point (doesn't look
like original, not big enough) ip
lowered 1 in IP & set galv I.P over
set post point on N side of Man.
Found old rotted stumps that fit
1920 Bearing and dist, but ~~no~~ No
evidence of scribe, blaze or ax
marks. Also found 6 in fence
post 6 ft west of IP with u-nail
in post. No evidence of A35 OCC
location poster.

T147N R25W
1/4

Marked New B.T.

5.20.81

8' Metal fence Post W/54-9 North 2.0 ft

1782
R25 14677

Ash 9.0 in N44 W 24.92 ft To 16d nail
in surface

Ash 9.2 in N21 1/2° E 27.6 ft To 16d nail
in W face

Ash 7.2 in S12 E 15.70 ft To 16d nail
in E face

12-8-82

A-21

See This Book PP 66

See Cor to Sec 142 T147N R25W

and Sec 35 & 34 T148N R25W

See page 66 for more info

See T148N, R25W, BK 2, PP 57

4/6/82

Found 1" IP in Road bent & leaning east. dug to base of I.P. and straightened pipe and reset. Pulled ties and found County B.T.'s from 1920 survey. Birch was well rotted stump, no scribe or marks visible but fit bearing & distance. found Popple windfall with window scare at bearing and distance. found well rotted spruce stump at record bearing and distance. No evidence of 1961 Concrete monument.

Walt White RL5

See Page 66 This Book

91
214-44

305-44

387-81

54-16

91

119

200

150

30

89

351-30

422-30

760

62-30

89

175

14

16d nail N 54° W 214° 44' (LP)

up 0.9' in (-) 81.38

SW face of 8" Ash Spruce
with 1/4" blaze stump
1/4" 6d spike w/ in base scribe
"BT 535" up tree
5 is funny - almost a 6

16d nail 119° 00'

up 10' in SE face
of 10" Balsam Fir
S 20° W 89.39
single blaze 1.3' long
with part 6d nail
at base scribed
"BT 52" up tree

4256 to 16d nail at base of Location Post 4

PT # 29

popple log

75° 20'

16d nail up 0.6'

in N face

of 4 1/2" Red

Maple 76.12'

S 14° E

Single Blaze

2.0' long scribe

"BT 51"

up tree 6d spike in
base of blaze (vert)

331° 30'

16d nail up 0.9'

in SE face of

7 1/2" Balsam Fir

N 62° 30' E 80.67

1.5' long single base

blaze scribed

"BT 536"

up the tree

6d spike at base of

blaze vert

PT # 64

1/16 0.61

* from PT # 64

Mar 29, 1983 AM

A B. Ansk
 G. Robertson
 K. Whitehorn

Sunny/calm
 29.90" Hg 35°F
 -1 PPM

wild TZ SN:
 Lietz Red 1A SN:
 Lietz Prism 30mm constant

~~TG 28~~

BS 27 0-00-29 180-00-17 21-00-23 201-00-12

FS 70 198-18-39 18-18-26 219-18-35 39-18-22

TG 28 198-18-10 198-18-09 198-18-10 198-18-10

Mean \bar{x} 198-18-10

~~TG 28~~

~~TG 28~~

TG 70 90-18-58

To 28 90-19-14 269-41-18 288.17 A

TG 70

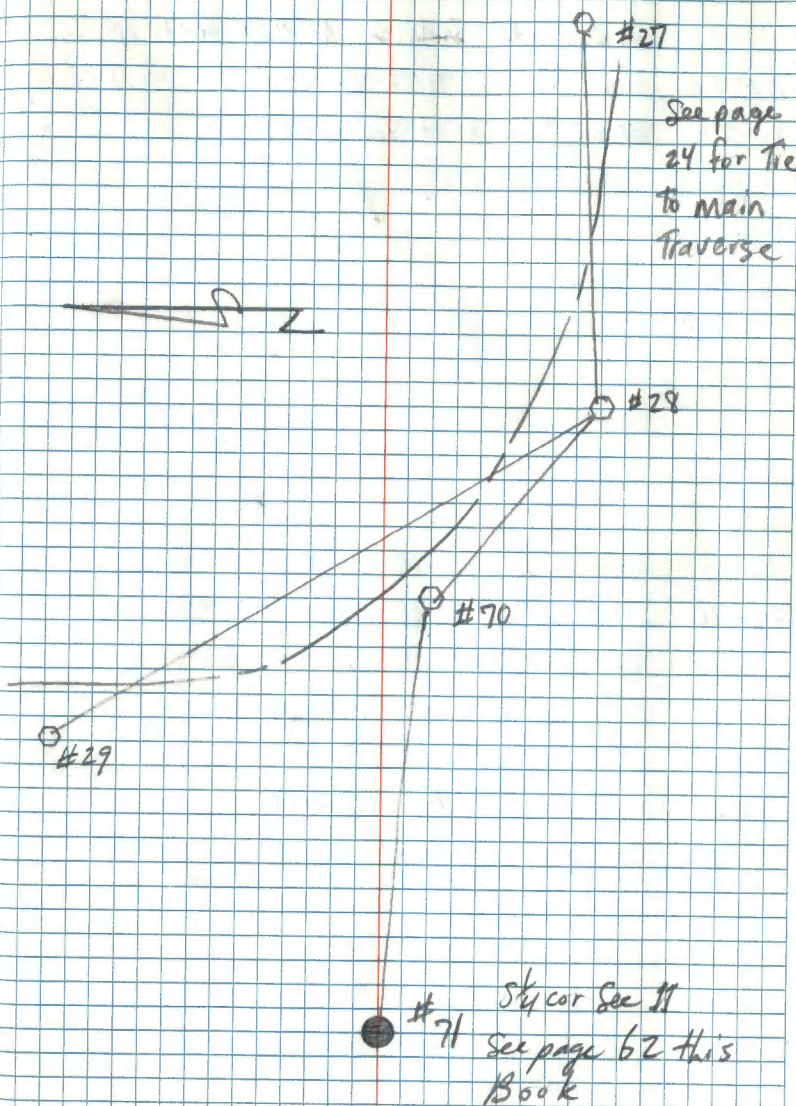
BS 28 00-00-31 180-00-20 27-46-16 ²⁰⁷ 27-46-20 ⁰⁵

FS 71 146-29-40 326-29-28 174-15-26 354-15-20

TG 71 146-29-09 146-29-08 146-29-10 146-29-15

Mean \bar{x} 146-29-11

Go to page 51



~~A-23~~

Mar 23, 1993

#70 Est. alt. 89-56-46
 To 71 89-57-29 270-03-58 869.40 ft

~~#71~~
~~To 70~~

#25

BS 24 00-00-30 190-00-25 33-00-22 213-00-20

FS 72 331-40-38 151-40-36 04-40-31 187-40-26

331-40-08 331-40-11 331-40-09 331-40-06

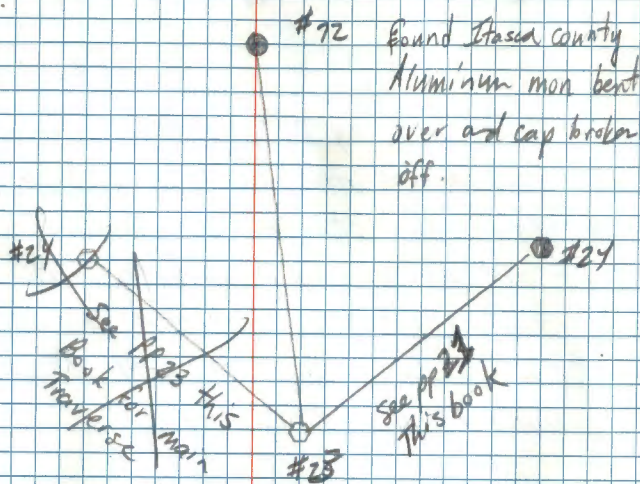
Mean \bar{x} 331-40-09

#25

* 91-14-06

To 72 91-14-17 268-46-05 464.38 464.27

(31)



B-23

T147N R25W Sec 1 sub

Monumentation info for CN 1/16 cor
sta 1004

See This Book pp 69, 80

Set a 3 ft long by 2 1/2 in. O.D. concrete
filled galvanized iron pipe with a 3 in.
diam. brass cap stamped as shown,
.7 ft out of ground. Corner set at
proportionate measure between the N 1/4
and the C 1/4 of sec 1. All BT's
are painted red and tagged.

Glenn Kosenko
12-07-82

Metal sign post, East, 5.0 ft, 542, 549

Metal sign post, West, 5.0 ft, 542

Ash, 7.4 in, N22°E, 50.60 ft to 1/2 nail on

Ash, 7.1 in, S57°E, 73.20 ft to 1/2 nail on

Ash, 5.6 in, S38°W, 79.00 ft to 1/2 nail on

Dec 7, 1982

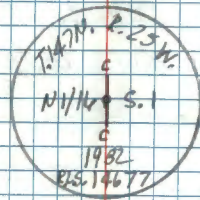
52

Ply cloudy cold, calm

PC @ G. Kosenko

Aides T. Schrieber

G. Robertson

End 1920 IP
NoETH 1A

SE face, "CN 1/16 S1 BT", with 60d verticle spike
NE face, "CN 1/16 S1 BT", with 60d verticle spike
NE face, "CN 1/16 S1 BT", with 60d verticle spike

see BK 1, pp 54

B-21

T147N R25W Sec 1 Subdivision

Inverse and Monumentation info to set

STA 1059, N 1/16 - 2 1/1

STA 1st 1/4 R 2nd 1/4 R 3rd 1/4 R 4th 1/4 R # Dist

H4

1205

40
~~359-38-02~~ 359-~~38-02~~⁴⁰-02
 40-07 40-28 40-38 40-20
 359-~~38-21~~ 179-~~38-48~~ 359-~~38-40~~ 179-~~38-38~~

00-00-05 20 -10
~~00-00-19~~ 180-00-14 00-00-~~13~~ 180-00-~~14~~

1206 359-~~38-02~~⁴⁰ 359-40-14 359-40-18 359-40-10

359-40-11 ✓

29.45

1059

Set a 5 ft long, 2 1/2 in. O.D. concrete filled galvanized iron pipe with a 3 in. diam. brass cap, 3 1/2 ft. in ground, stamped 1 1/2 ft out of ground. Corner set at proportionate measure between W 1/4 cor and the NW sec cor of sec 1

Alvin P. Krenke 12-06-82

Ash 6.4 in. S20°E 36.10 ft from 16 d nail

Ash 4.8 in. S74°W 39.40 ft from 16 d nail

Ash 5.0 in N31°W 82.70 ft from 16 d nail

Metal sign post, East 4.00 ft W/54-2

Metal sign post, South 5.00 ft W/54-2, 54-9

✓ OK Plk 12-06-82

Dec 6, 1982

53

Snow, cold, breeze

P.L.T. at G. Kosenko

Aides - G. Robertson

T. Schrieber

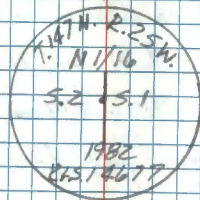
T-2 SW 265189

County Iron pipe 1 1/2" O.D.
 West, 1.65 ft (bent over)

29.45 ✓

2-22-83 R.A. 86R
 Pine STR (1920)
 40 in
 S80.2°E
 9.83 ft

as shown,



in West face of tree w/wood spike
 in South face of tree, w/wood spike
 in SE face of tree, w/wood spike

See BK 9, PP 48

B-24

T147N R25W Sec 1 Subdivision
Monumentation info to set the NE 1/4

STA 6000

STA 1st H&D 2nd H&R 3rd H&D 4th H&R C.H. DIST
H&

1004

295-57-07 115-57-27 295-57-06 115-57-23

00-00-23 180-00-18 00-00-19 180-00-13

1211 295-56-44 295-57-09 295-56-47 295-57-10

295-56-58

.68

6000

Set a 3 ft long by 2 1/2 in. O.D. concrete filled galvanized iron pipe with a 3 in diam. brass cap stamped as shown, .7 ft out of the ground. Corner set at the intersection of straight lines connecting opposite 1/16 corners around the NE 1/4 of sec 1. All BT's painted red.

John P. Kowalski
12-07-82

W. Spruce, ~~5.8~~^{8.2} in, N 74° E, 29.30 ft to 1 1/2" nail on
Balsam Fir, 5.8 in, S 14° W, 27.30 ft to 1 1/2" nail on
Cedar, 15.8 in, N 34° W, 93.30 ft to 1 1/2" nail on
Metal sign post, North, 5.0 ft, 54-2
Metal sign post, West, 5.0 ft, 54-2 + 54-9

✓ OK PR. 12-7-82

Dec 7, 1982

51

Pty cloudy, cold, calm

A PC of G. Kasenko

Andas T. Schrieber

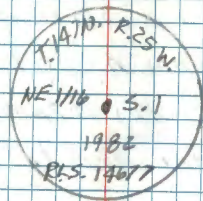
G. Robertson

T-2 S/W 265184

M.H. Dist

.68 ✓

2-22-83 BA EGR
from Man to
1920 I.P.
N 25° E
0.75 ft



NW face of tree, "NE 1/16 S1 BT" w/60d verticle spike
E face of tree, "NE 1/16 S1 BT" w/60d verticle spike
SW face of tree, "NE 1/16 S1 BT" w/60d verticle spike

See Bk 1, pp 53

A-24

T147N R25W - Sec 1 Subdivision

Inverse and monumentation to set E 1/16 T

STA 1016

STA 1st H&D 2nd H&R 3rd H&D 4th H&R C.H. Dist

H&R

17

237-00-16 156-59-57 236-59-58 56-59-59

00-00-14 180-00-06 00-00-12 180-00-12

1221 237-00-02 236-59-51 236-59-41 236-59-47

~~236-59-50~~

1.35

236-59-50

1016

Set a 10 ft long by 5/8 diameter aluminum rod monument with a 3/8 in. diameter aluminum cap stamped as shown, under north the ice. Corner set at proportionate measure between the N 1/4 cor and the NE Sec Cor

Phm P. Kowalski
12-07-82

Ash 11.5 in, N11°W, 61.50 ft to 16 d

Ash 5.8 in, N89°E, 69.10 ft to 16 d

No references available to the south. Corner set in large beaver pond. Could not set any posts

✓ OK PK 12-7-82

Dec 7, 1982

53

Clear, cold, calm

PRT on G. Kosenko

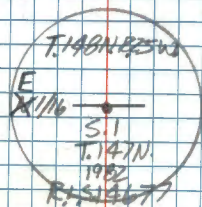
Aides - T. Schrieber

G. Robertson

T-2 S/N 265184

M.H. Dist

1.35 ✓



nail in N face "E 1/16 S36 BT" 60d spikes
nail in SW face "E 1/16 S36 BT" 60d spikes

E-21/22 Center

West ROW of Abandoned RR at
Sec line 1 & 12, T147N R25W

~~12-8-82~~
12-8-82

Ken Whitahorn RLS, and Eric Merriant
volunteers. Sunny & cold. Decl $5^{\circ}E$
set 7600 (SN) on St 51 (MC to
Sec 1 & 12, T147N R25W) and sighted
W $\frac{1}{4}$ cor Sec 1 & 12. Set 2 inch x 36 inch
iron pipe with brass cap stamped

PROPERTY CORNER

1982
RLS 14677

Flush with ground for property corner
on west side of abandoned RR.
distance from MC to Property corner
is 278.57 ft.

(56)

15-2
Klm 7.2 inch N $77^{\circ}W$ 71.20 ft to 20d
nail in northerly face of single blazed & scribed "BT"

Popple 3.6 inch N $35^{\circ}E$ 13.48 ft to 20d
in southerly face. Single blazed & scribed "BT"

8' Steel fence post 3.0 ft WEST with 54-2 and
34-9 Attached

8' Steel fence post N $70^{\circ}W$ 3.0 ft with 54-2
sign Attached

E-21/22 East

East ROW of abandoned Railroad at
Sec line 1 & 12, T147N R25W.

12-8-82

8-12-82

Ken Whitehorn, RLS, and Ernie Therriault,
volunteer, Sunny & Cold, Decl 5° E,
Set 7600 (SN) on Sta 51 (MC
Sec 1 & 12, T147N R25W) and sighted
w 1/16 Sec 1 & 12 set 2 in x 36 inch
iron pipe with brass cap stamped:

PROPERTY CORNER

1982

RLS. 14677

Flush with the ground for property
corner on east side of abandoned
Railroad. Distance from MC to
property corner is 389.15 ft.

(57)

W. Ash 3.8 in N 38° W 16.72 ft to
20 d nail in easterly face. single blaze & scribed "BT"

W. Ash 4.3 inch N 09° E ^{7.08} 17.80 ft to 20 d
nail in westerly face - Single baseblaze scribe "BT"

8' steel fence post EAST 3.0 ft with 54-2
and 54-9 attached.

Good spike vent in baseblaze of both BT'S

8' steel fence post N 23° W 2.0 ft with 54-2
attached.

~~_____~~
T B. Ansk
O G. Robertson
D K. Whitehorn

Mar 23, 1983 P.M.
Sunny / Light Breeze
29.80 Hg 37°F
- 1 PPM

Wild T2 SN: 265184
Litz Red IA SN: 4863
Litz Prisms 30mm Constant

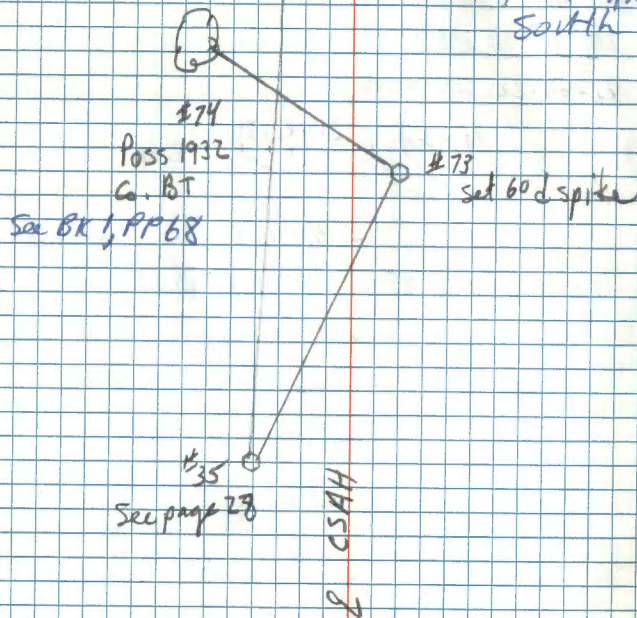
TG 35
BS 34 357-58-53
FS 73 0-00-35 179-59-50 24-09-04 204-08-48
2-35-59
2-58-08 142-37-04 26-46-11 206-45-59
2-36-33 2-37-14 2-37-07 2-37-11
2-37-06
Mean \bar{x} 2-37-09

TG 73 87-21-58
T₀ 35 87-22-14 272-38-23 737.48 736.70

TG 73 0-00-27 100-00-12
BS 35 103-17-09 283-1907
FS 74 103-16-42 103-16-55
Mean \bar{x} 103-16-49

TG 73 97-45-41
T₀ 74 97-46-01 262-14-58 65.75 chained 65.15

See page 28 ^{#34}



~~1-27~~

Mar 23, 1983

X. B. Ansk

Q G. Robertson

W R. Whitcomb

A 34

BS 35 00-00-34 180-00-25

FS 75 26-44-56 206-44-49

26-44-22 26-44-24

Mean \bar{x} 26-44-23

A 34

94-13-01

To 75 94-13-17 265-47-16 120.20 chnd

59

See page 28

#34



#75

1932 Co. BT

See Book 9, pp 96

#35

See page 28

T147N R25W

Inverse and Monumentation info to set

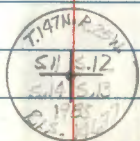
The sector $\frac{11}{12}$
 $\frac{11}{13}$

STA $1^{\text{st}} \text{ N} 4^{\circ} 3^{\text{rd}} \text{ N} 4^{\circ}$ H. Dist
118

BS 27

FS $\frac{54}{60}$ 306-08-10 198-27-00

TR 65 306-09-00 B.O.B.



Card is made

Set a 5ft. by 2 1/2 in. O.D. galvanized pipe
stump as shown above from which bears
with a 3" dia brass cap.

Ash 9.6 N 19° E 60.20' to a 16d nail in the
Cedar 5.8 S 72° E 59.51' to a 16d nail in the
Balsam poplar 7.2 S 11° W 45.36' to a 16d nail in the
Ash 8.5" N 62° W 55.50' to a 16d nail in the
Existing Ash 12.9 in N 14° W

metal sign post N 3ft with 54-2 + 54-9

metal sign post W 3ft with 54-2

June 23, 1983

Clear, Hot, Calm

PC # 6, Kosenko

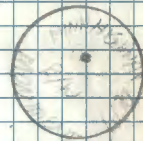
T - B. Robertson

File - D. Harmon

- B. Ausk

TRD SN 158816

Recovered a MINN HIGHWAY DEPT R/W
marker \swarrow N 78° W 52.06 ft. Its a 2 in O.D.
galvanized iron pipe with a 3 in. diam
brass aluminum cap stamped -
UP 15 inches



TR@ Sector 09-38-10

BS STAGS

FS MINN MONUMENT

NW face, double blazed, scribed "S 12 BT" w/60d spike
N face, double blazed, scribed "S 13 BT" w/60d spike
E face, double blazed, scribed "S 14 BT" w/60d spike
NE face, double blazed, scribed "S 11 BT" w/60d spike

147N R25W

Inverse and Monumentation info to

set 5/16/4 11/12

STA 1st H&R 2nd H&R 3rd H&R 4th H&R H. Dist

H&R

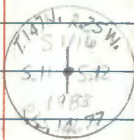
FS 1/16 357-15-57 177-18-10 357-15-10 174-18-10

BS 6501 00-00-00 130-02-55 00-00-00 177-27-20 48.30

TP@ 6502 357-15-57 357-15-55 357-15-10 357-15-50

357-15-43

Decl = 5° East



CARD IS FILLED
OUT

Set a 15 ft long by 5/8 in diam aluminum rod
with a 3/8 in diam aluminum cap stamped as
shown above, up 15 inches. Corner fills in
open floating bag. Corner set at proportional
measure

From which

Metal fence post N37°E 4.10 ft BT tag

Metal fence post south 3.0 ft 54-2 54-9

Metal fence post west 3.0 ft 54-2

All ~~fences~~ ^{posts} painted red

city, cool breeze

June 27, 1983

(61)

PC EA G. Kosenko

T B. Ask

Asst - D. Harmon

G. Robertson

T 600 158316

J-19

Property Corner

1/4 cor Sec 11 & 14 T147N R25W

See BK 1, pp 6

See BK 2, pp 50

4/25/82 K. Whitcomb J. Hoover

found 3/4" IP down 1'± in north
 shoulder of road Jct E-W & S (FSR #3209)
 also found rotted Yellow(?) Birch
 stump with scribe visible. Took
 pictures and marked stump
 with 8' signpost with BT tag
 and 1/4" x 6" rebar in center of
 stump 94.25' N 62° W. Will
 tie into traverse later. Someone
 has cut line north from area
 but dirt over pipe had not been
 disturbed. (Took Picture)

8-23-82 Ken Whitcomb, RLS & Glenn Rosenko, USFS,
 lowered 3/4" x 12" iron pipe and
 set a 2" x 36" galv iron pipe with
 3" Bass cap stamped T147N R25W

1/4
 5.11
 5.14
 1982
 RLS 14677

CERTIFICATE FILED

62

down 0.9 ft in north shoulder of Rd.
 13.4 ft north of E Road west at Int.
 Rd. Scribe Referenced by the following

Red Pine	6.2 in	539° E	76.80 ft to 1/6" in NE
Aspen	6.4 in	531 1/2° W	89.75 ft to 1/6" in NW ^{face} sec
Fence post	8'	West	2.0 ft
Fence post	8'	N 67 1/2° W	94.30 ft to NE edge

Driven into 1944 V Birch County BT

Int 4" Post with location Post N 80° W 11.0 ft

Certificate filed Dec 12, 1982

Doc # 355062

[Signature]

E-9

Property Corner

Sec. Cor 4, 5, 8 & 9 T147N R25W

See page 59 This Book

4/28/82 K. Whitehorn, J. Hoover

found Aspen snag referred to in CCC notes. Scribe is visible but no bearing & distance can be found.

Still searching. (took pictures)

Cut off snag $4\frac{1}{2}$ ' above ground to prevent windfall.

Scribe read "T147N R25W S4 BT"

single scribe and chop mark at base of scribe Scribe 2.7' long blaze on southerly side of tree

approx 16° east of south put BT tags on front & back of stub.

63

4/6/82

High Clouds/Calm
49° F 29.40" HgK. Whitcomb
J. Noorer
T. Suddendorf

Came to monument corner. 20' spike set 12/2/81 graded out
straightened 1" I.P. and will
retie corner in and check ties
I feel pipe has been hit
with grader.

AB 65

BS 07

FS 064 180-29-00

① 01-56-06

Mean $\frac{1}{2}$ 180° 29' 02"

AB 065

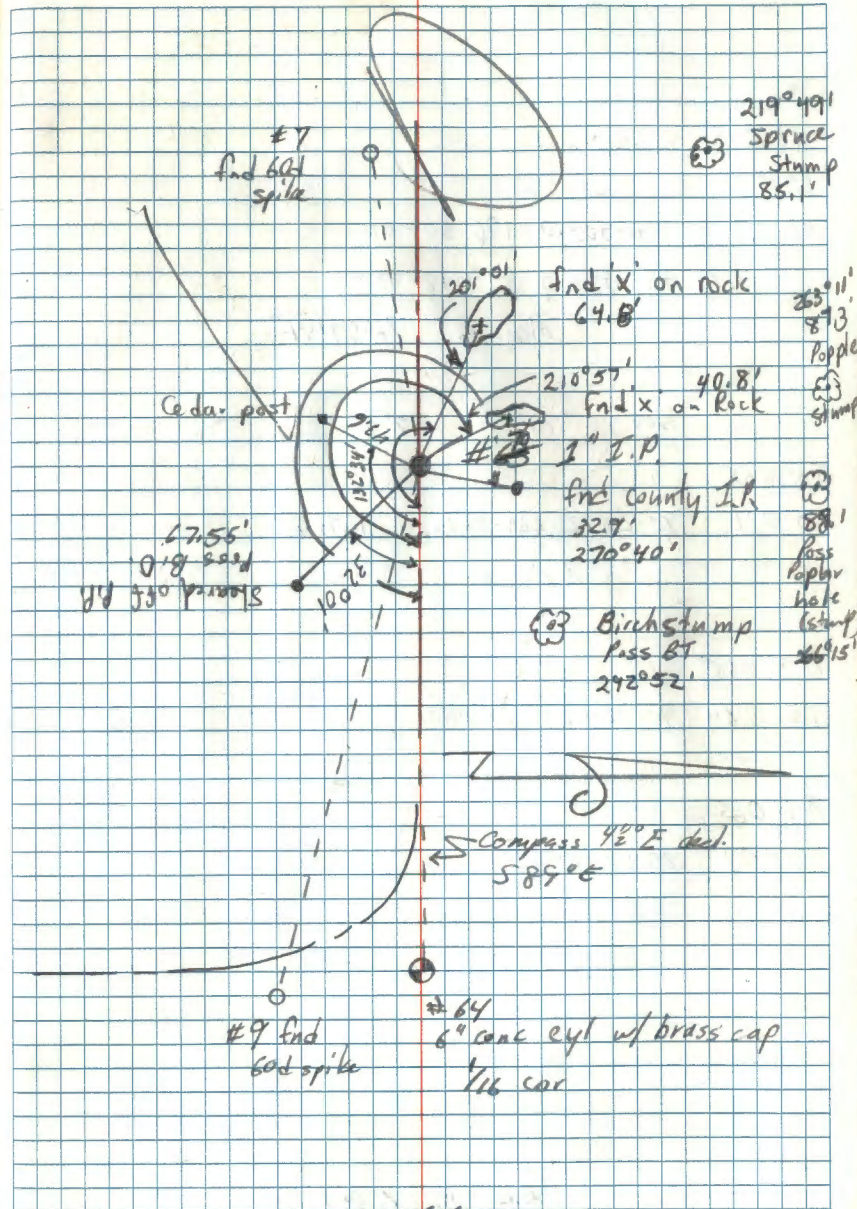
BS 064

FS 09 02-41-30

① 10-46-40 10-45-30

Mean $\frac{1}{2}$ 2° 41' 23"4/6/82
HW

(4)



See page 66

34.7

AB 065

BS 09

FS 07 @ 176-50-10 176-50-00

④ ~~355-22-50~~ 347-18-45

Mean \bar{x} 176°49'41"

29.45" Hg 58°F

AB 065

TO 07 90-20-12 269-39-24 1673.81

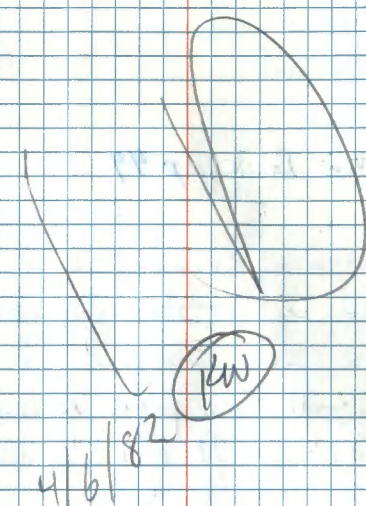
AB 065

TO 064 90-12-42 269-47-00 1281.27

AB 065

TO 09 89-57-12 270-02-30 1292.78

See page 67



A-21

4/6/82

Cloudy/calm

62° F 29.30" Hg

K. Whitehorn

T. Suddendorf

J. Hoover

See This Book, pp 49

To monument corner 20 d spike
graded out. Straightened
1" I.P. and searched for B.T.-5
Found all (See page 15) and 49)
Set 2" x 21" Galv IP with 3" Brass Cap
6" below road surface

T @ 69 0° 20' 33"

To 67 90-21-00 269-39-54 1673.25 1673.22

90-20-33

T @ 69 0° 13' 18"

To 64 90-13-06 269-46-30 1281.82 1281.81

90-13-18

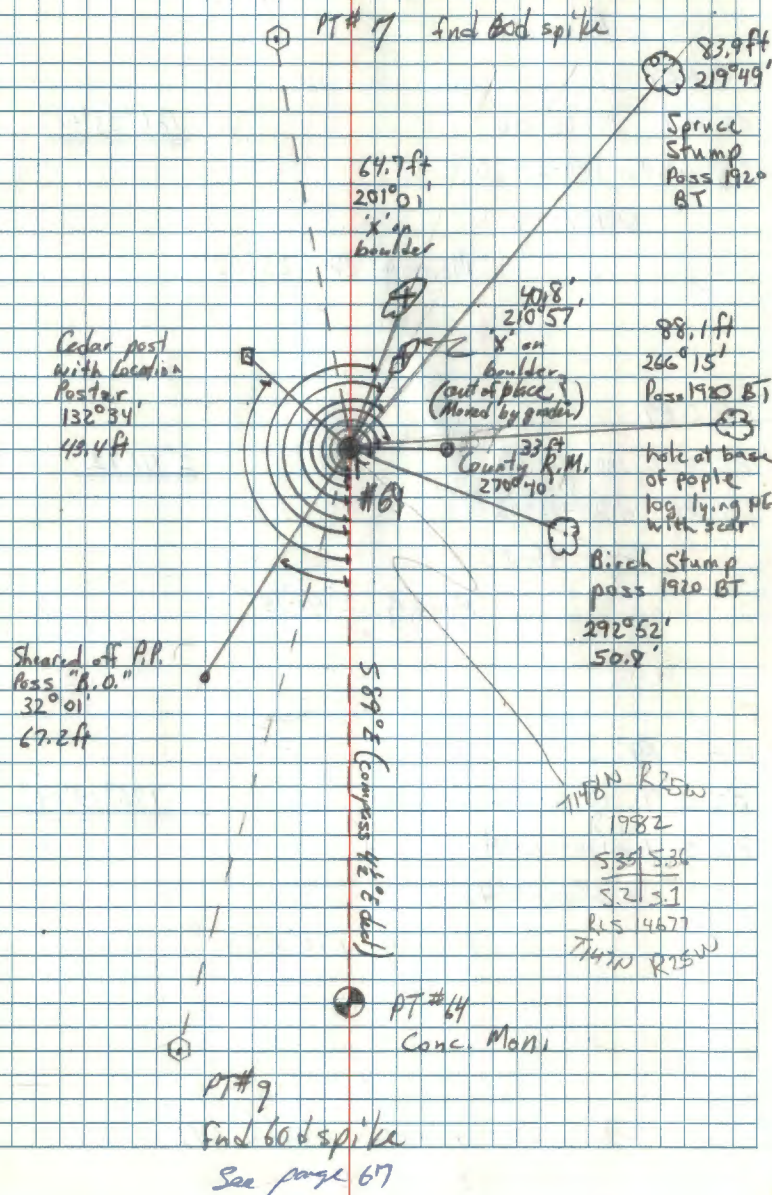
T @ 69 0° 02' 03"

To 69 89-57-48 270-01-54 1293.49 1293.49

89-57-57

OK for 9-16-82

66



4-6-82

See page 66

Resection

TB 069

BS 07 00-00-00

180° 23' 40"

FS 064 @ 180-23-30

@ 0134-48

Mean $\frac{1}{2}$ 180° 23' 42"

TB 069

BS 064 00-00-00

2° 41' 12"

FS 09 @ 2-41-12

@ 10-45-00

Mean $\frac{1}{2}$ 2° 41' 15"

TB 069

BS 09 00-00-00

176° 55' 08"

FS 07 @ 176-55-24

@ 347-40-42

Mean $\frac{1}{2}$ 176° 55' 11"

* Last Number Used (# 69)

✓ OK OK. 9-16-82

E-23

T157N R25W Sec 1 Subdivision

Inverse to set c 1/4 corner position (F)

STA 1st H & D 2nd H & R 3rd H & D 4th H & R H. Dist.

90-22-04

10

00-04-39 00-04-23 00-04-17 00-04-15

90-26-93 90-26-23 90-26-24 90-26-23

11 90-22-04 90-22-00 90-22-09 90-22-08

90-22-05

1.517

1101

Set a 5 ft long by 2 1/2 in. o.d. concrete filled galvanized iron pipe with a 3 in. diam brass cap stamped as shown, 3 1/2 ft in ground, 1 1/2 ft out of ground. Corner set at the intersection of straight lines connecting opposite 1/4 cors of sec 1. All BT's painted red

Phon P. Kowalski 12-07-82

Metal sign post, South, 5.0 ft w/ 54-2

Metal sign post, West, 3.0 ft w/ 54-2, 54-9

B. Ash, 12.2 in, N 68° E, 51.37 ft to 1/2" nail on

B. Ash, 6.5 in, S 08° W, 42.90 ft to 1/2" nail on

B. Ash, 7.5 in, N 66° W, 61.40 ft to 1/2" nail on

✓ OK CK

11-23-82

(68)

Nov 22, 1982

Clear, cold, calm

Mens. H. Dist

PC. 21, T. G. Kosenko

Aides - T. Suedendorf

- T. Schriever

TZ 514265184

1.52

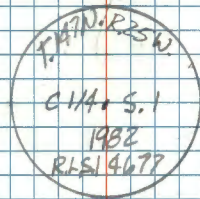
set 60d spike for temp point

Dec 7, 1982

in PC G. Kosenko

Aides G. Robertson

T. Schriever



2-22-83 BA FGR
1920 I.P. Beads
S 51° W
16.0 ft

S. face "C1/4 S1 BT" w/ 60d verticle spike

E. face "C1/4 S1 BT" w/ 60d verticle spike

NE face "C1/4 S1 BT" w/ 60d verticle spike

See BK 1, PP 52

T157N R25W Sec 1 Subdivision

Spur Trac to set CN 1/16

STA 1st H&D 2nd H&R 3rd H&D 4th H&R 74 1/2
H & Z &

11

126-52-37 306-52-37 126-52-37 306-52-26 90-02-28

00-00-11 180-00-00 00-00-08 180-00-02 267-58-15

12 126-52-26 126-52-37 126-52-29 126-52-24 90-02-05

126-52-29

73-24-14 253-23-43 73-23-55 253-23-42

00-00-05 179-59-48 179-59-59 179-59-50

1201 73-24-09 73-23-55 73-23-56 73-23-52

73-23-58

197-08-13³³ 17-08-17 197-08-25 17-08-22 88-41-27

(1004) 00-00-30³⁰ 180-00-20 10-00-28 180-00-28 271-19-07

1202 197-08-03 197-07-57 197-08-07 197-08-02 88-41-10

197-08-02

Sideshot to Iron @ CN 1/16

12 73-37-19 253-37-12

00-00-31 180-00-22

1261 73-36-48 73-36-50

73-36-49

Iron @ CN 1/16

OK RR 11-30-82

Nov 30, 1992

Cloudy, mist, mild

S. Dist H. Dist. Brq RR RR G. Kosenko

Aides T. Schreiber

T. Suddendorf

BPR=28.2 ECF=0
Temp=34°F @ 3:30 PM

TZ S/W 265184

Red 1 S/W 4863

1215.22

1215.22

1215.22

1215.22

1215.22

225.08

225.08

225.08

225.08

Iron re-bar in power line

438.58

438.58

438.58

438.58

438.46

60d nail

224.86

224.87

224.87

224.87

224.87

Cont'd on pg. 80

See This Book, pp 52

T147N R25W Sec 1 Subdivision

Inverse to set sta 4901, W 1/16 T2

STA 1st H4 D 2nd H4 R 3rd H4 D 4th H4 R C.H. Dist
H4

50 74-59-03

75-09-19 255-09-17 75-09-23 255-09-12

00-10-16 180-10-02 00-10-09 180-10-02 730.19

49 74-59-13 74-59-15 74-59-15 74-59-10

74-59-11

4901

Set a 5 ft. long by 2 1/2 in O.D. concrete filled galvanized iron pipe, 1.6 ft out of ground, stamped as shown. Corner set at proportional measure on line between the SW sec cor and the S 1/4 cor of sec 1

Russ P. Kowalski 12-2-82

Metal sign post, North, 5.0 ft, w/54-2, 54-9

Metal sign post, West, 5.0 ft, w/54-2

B. Ash 6.0 in N07°E 32.50 ft to 16 d nail in

B. Ash 9.9 in S70°E 47.60 ft to 16 d nail in

B. Ash 11.3 in N64°W 22.80 ft to 16 d nail in

✓ OK R. 11-23-82

E-22

Nov 23, 1982

Clear, cold, breeze

PG. T to G. Kosenko

Aides - T. Suddendorf

- T. Schriever

T2 s/w 265189

78.00
10.00
52.19

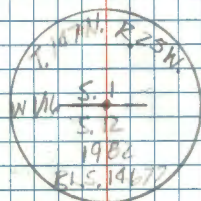
230.19 tape dist

set 60d spike
for temp paint

Dec 2, 1982

Cloudy, breeze, mild

Same crew as above



All BT are painted red

W face of tree, 60d verticle spike in base of tree "W 1/16 S 1 BT"
S face of tree, 60d verticle spike in base of tree "W 1/16 S 2 BT"
SW face of tree, 60d verticle spike in base of tree "W 1/16 S 1 BT"

See BK 2, pp 49

T147N R25W. Sec 1 Subdivision

Angles at Property Corners to Property Lines

STA 1st H&D 2nd H&R 3rd H&D 4th H&R

H &

20

90-20-00

19

1016

58

181-29-31

181-39-28

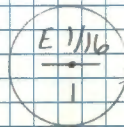
00-09-57

59

181-29-31

1059

STA 1016 =



Nov 29, 1982

Cloudy, mild, calm

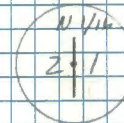
PC by T. G. Kosenko

Aides - T. Soddendorf

T. Schreiber

T-2 S/N 265184

STA 1059 =



T147N R25W. Sec 1 Subdivision

Angles at Property corners to Property Lines

STA 1st H&D 2nd H&R 3rd H&D 4th H&R

H &

58

271-03-44

271-13-14

00-09-30

59

271-03-44

1101

48

91-26-55

47

1101

Nov 29, 1982

(72)

Cloudy, mild, calm

PC BY T. G. Kosenko

Angles - T. Suddendorf

T. Schreiber

T-2 S/W 265184

STA 1101 =

6 1/4 . 1

STA 1101 =

6 1/4 . 1

T147N R25W Sec 1 subdivision

Angles at Property Corners to Property Lines

STA 1st H₄ 2nd H₄ 3rd H₄

H₄ ✓

10 00-05-10

00-30-50

00-36-00

1101 00-05-10 ✓

59

10 269-18-22

269-45-23 269-45-30 269-45-45

00-27-01 00-26-50 00-26-44

1101 269-18-22 ~~269-45-30~~ 269-19-01

269-18-41 ✓

47

✓ OK *PK* 11-23-82

(73)

Nov 22, 1982

Clear cool calm

PC in T G. Kosenko

Arks - T. Suddendorf

- T. Scherer

Iron re-rod T2 s/n 265184

ch₄ seal

Iron re-rod

ch₄ S1

spike in stump

T147N R25W Sec 1 Subdivision

Inverse to ~~sp~~ 5601, S 1/16, 2 1/4
 STA 1st H&D 2nd H&R 3rd H&D 4th H&R C.H. Dist
 H 4

55
~~57~~

11-49-37 11-49-37

11-51-35 191-51-29 11-51-28 191-51-25

00-01-58 180-01-52 00-02-00 180-01-45

56 11-49-37 11-49-37 11-49-28 11-49-40

11-49-36

5.83

5601

V OK BK 12-07-82

Set a 5 ft long by 2.5 in O.D. concrete filled ~~aluminum~~ iron pipe, 1.4 feet out of the ground, ^{with a 3 inch dia. brass cap} stamped as shown.

Corner set at proportional measure between the SW Sec cor and W 1/4 Sec 1

All BT's are painted red

Alan P. Kaska
 12-02-82

Balsam, S62°E 29.90 ft Dia: 8.1"

Cedar, S02°E 67.80 ft Dia: 6.7" ✓

Spruce, N49°W 35.32 ft Dia: 12.5"

Steel sign post, East 5.0 ft 54-2, 54-9

Steel sign post, South 5.0 ft 54-2

D-21

Dec 2, 1982

(74)

M.H. Dist

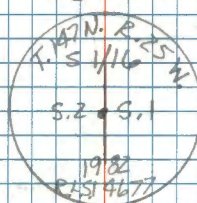
Cloudy, mild, breeze

PC. T & B. Kaska

Arles T. Schrieber

• T. Suddendorf

The 12-02-82 Cedar tree was broken off when a tree was felled on it. Replaced it with the cedar below. This tree is now a 4' high stub.



Alan P. Kaska

12-09-82

Bearing to A20 IP
 N 9° W
 5.75 ft

Cedar, 8.6 in, S05°E 100.62 ft to 16d in W face
 "S 1/16 S 1 BT" w/lead spike

60d spike to 16d nail on N face, "S 1/16 S 1 BT"

60d spike to 16d nail on E face, "S 1/16 S 1 BT"

60d spike to 16d nail on SW face, "S 1/16 S 1 BT"

Sec BK 1, PP 47

T147N R25W Sec 1 Subdivision

Angles at Property corners to Property Line

STA 1st H & 2nd H & R 3rd H & D 4th H & R

H &

49

91-58-35

92-08-18

00-09-43

4901

91-58-35

51

49

181-13-05

181-13-37 01-13-28 188-08-15 08-07-55

00-00-32 180-00-22 06-55-01 186-54-51

4901

181-13-05 181-13-06 181-13-14 181-13-04

181-13-07

5000

✓ DK Cte. 11-23-82

Nov 23, 1982

(75)

Clear, cold breeze

PC D T G. Kasenko

Angles T. Suddendorf

• J. Schriever

TZ S/N 265184

T147N R25N Sec 1 Subdivision

Spur track around the SWSW of sec 1

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

H&R

56

359-41-59 179-41-48 359-41-58 179-41-46 89-36-47

00-00-04 179-59-50 00-00-03 179-59-50 270-23-38

55
57

359-41-55 359-41-58 359-41-55 359-41-56 89-36-35

359-41-56

12-49
292-12-14

292-12-14 112-12-45 292-12-58 112-12-49 87-17-14

00-00-25 180-00-22 00-00-29 180-00-22 272-42-49

5601

292-12-14 67-41-15 292-12-29 292-12-29 292-12-33 87-17-13

292-12-24 292-12-29

180-04-55 00-04-47 180-04-53 00-04-48 90-08-48

00-00-05 179-59-59 00-00-05 180-00-00 269-51-49

5602

180-04-50 180-04-48 180-04-48 180-04-48 90-08-30

180-04-48

269-34-46 89-34-38 269-34-48 89-34-35 93-04-40

00-00-04 179-59-56 359-59-53 179-59-53 266-56-01

5603

269-34-42 269-34-42 269-34-42 269-34-42 93-04-38

269-34-42

✓ OK H&R 11-29-82

29

Nov 15, 1982 (96)

Cloudy, calm, mild
FL. on RR B. Kasenbo

Aides - T. Schreiber
T. Suddendorf

T-2 S/N 265184

R-1 EDM

(FT) S. Dist (FT) H. Dist Brg
BPR = 29.2 ELF = 0
Temp = 25°F @ 10:15 AM

226.19

226.19

226.19

226.18

spike

778.12

778.11

778.12

778.12

777.25

60d nail see pg 74
for DBT's

588.03

588.03

588.03

588.03

60d nail

Balsam

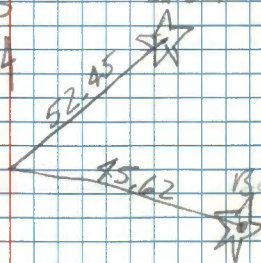
411.89

411.89

411.89

411.30

S
4



60d nail
in road

Cont on pp 77

Nov 29, 1982

T147N R25W Sec 1 sub

Spur trav cond't from pg 76

STA	1 st H&R	2 nd H&R	3 rd H&R	4 th H&R	Z & D/R
		H&R			Z &

179-45-30	359-45-22	179-45-32	359-45-28	89-51-32
00-01-29	180-01-09	06-01-25	180-01-11	289-09-08
5604	179-44-01	179-44-13	179-44-07	179-44-12
		179-44-08		89-51-12

179-55-42	359-55-36	179-55-44	359-55-35	93-17-37
00-00-13	180-00-05	00-00-14	180-00-06	268-42-47
5605	179-55-29	179-55-31	179-55-30	179-55-29
		179-55-30		93-17-25

4901

✓ UK 11-29-82

(F)	(F)
S. DIST	H. DIST

561.09

561.08

561.08

561.08

320.88

320.89

320.89

320.89

561.08

60d nail

320.36

60d nail

D-22

T147N R25W Sec 1 Subdivision

Inverse and Monumentation info to set

STA 5000 SW 1/16

STA 1st Hx D 2nd Hx R 3rd Hx D 4th Hx R C.H. Dist (FT)

Hx

5602 297-03-38

297-03-56 117-03-49 297-03-48 117-03-50

00-01-18 180-00-13 00-00-27 180-00-03

5603 297-03-38 297-03-36 297-03-26 297-03-42

297-03-36

7.2814

5000

Set a 2ft long by 2½ in. O.D. ~~concrete~~
~~fitted~~ aluminum monument with a 3 in.
 diam aluminum cap stamped as shown
 6 inches under road surface. Deposited
 4 6 in iron re-bars around monument.
 Corner set at the intersection of straight
 lines connecting opposite 1/16 corners
 of the SW ¼ Sec 1.

Phyllis P. Koenig 12-06-82

Red Pine, 8.8 in S 35° E, 62.60 ft to 16d nail

White Birch, 7.1 in S 68° W, 84.10 ft to 16d nail

Balsam, 6.2 in N 68° W, 47.20 ft to 16d nail

Metal sign post, West 56.70 ft, 54-2

✓ OK Ph 12-7-82

98

Dec 6, 1982

Cloudy, snow, windy

PL T & G. Kosenko

Aides - T. Schrieber

• G. Robertson

F-2 SW 265184

2-22-83 BA & GR

Tie to House SW cor

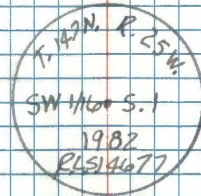
N 52° E
145.42 ft(FT)
M.H. Dist

7.28 ✓

baseblaze only
scr: "SW 1/16 S1 BT"

scr: "SW 1/16 S1 BT"

scr: "SW 1/16 S1 BT"



w/wood spike

w/wood spike

w/wood spike

All blazes on trees painted red.
 No red bands painted on trees

See BK 1, PP 57

T147N. R25W sec 1 Subdivision

Angles at Property corners to Line

STA 1st H&D

55

22-15-17

00-01-49

56~~01~~

22-13-28

5601

1205

91-52-26

87-35-57

00-00-⁰²47

91-52-29 ✓

1059

87-35-46

59

T147W R25W Sec 1 Sub

Interior trav cont'd from pg. 69

STA 1st H&D 2nd H&R 3rd H&D 4th H&R 2nd P/R

H&R

P/R

1202

180-00-16 00-00-06 180-00-16 00-00-02 90-41-52

00-00-13 180-00-06 00-00-12 180-00-01 267-18-38

1203 179-59-58 180-00-00 180-00-04 180-00-01 90-41-37

180-00-01 ✓

180-00-10 359-59-55 180-00-03 359-59-50 89-06-18

00-00-14 180-00-03 00-00-11 179-59-56 270-54-16

1204 179-59-56 179-59-50 179-59-52 179-59-56 89-06-21

179-59-53 ✓

180-00-10 359-59-58 180-00-09 359-59-58 90-12-21

00-00-08 179-59-52 00-00-01 179-59-52 267-46-54

1205 180-00-02 180-00-06 180-00-08 180-00-06 90-12-44

180-00-06 ✓

90-35-30 270-35-22 90-35-37 270-35-26 90-40-48

00-00-15 180-00-08 00-00-19 180-00-15 269-19-44

1206 90-35-15 90-35-14 90-35-18 90-35-11 90-40-50

90-35-15 ✓

✓ OK Gr. 12-03-82

80

Dec 1 1982

Cloudy, mild, calm

(H) S. Dist (H) H. Dist

BPR = 29.4 ECF = -1

Temp = 36°F @ 2:15 PM

438.58 498.49

438.58 498.48

438.58 498.45

438.58 498.45 498.44 60 d spike

356.26

47

356.26

356.26 356.22 60 d spike

1358.00

1358.00

1358.00

1358.00 1357.99 60 d spike
East Side of road

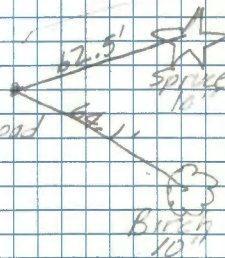
1302.62

1302.65

1302.62

1302.62

1302.53 ✓



Cont on 81

T147N R25W: Sec 1 Sub

Interior trav corrd from pg 80

87-30-51 267-30-39 87-30-52 267-30-45

00-00-22 180-00-11 00-00-28 180-00-15

59 87-30-29 87-30-28 87-30-26 87-30-30

87-30-28

60

OK Plc 12-23-82

Dec 1, 1982

(81)

STA 59 = W $\frac{1}{4}$ Sec 1

Iron re-bar

End of traverse