

245

DIETRICH
TRADE MARK

ENGINEERS'
FIELD BOOK

No. 403

Turn Lake

Any Township

30	31	32	33	34	35	36	31
1	6	5	4	3	2	1	6
12	7	8	9	10	11	12	7
13	18	17	16	15	14	13	18
24	19	20	21	22	23	24	19
25	30	29	28	27	26	25	30
36	31	32	33	34	35	36	31
37	6	5	4	3	2	1	6

1

Note

This book belongs to
John W. Curo - Walker
Minn

If lost, Finder please
return for reward

And listen

Please rush as we may
need the book

No use to keep the book
it aint worth a dam
to you-- and besides it
is NOT your book but
belongs to no one but
Curo so please get it
back to him and he will
pay you

May 1-1939

John W. Curo

2

Index

Michaelson & Dallam Lots 7-8

Sec 35-136-29

see also books 405-

S 100 ft of N 720 of Lot 3 Sec 20

136-29 on page 72 this book.

Adolph Winkler - 2115 W 63rd
Street Minneapolis Minnesota

Gov't Lot 2 - Sec 20 - Twp 136 R. 29

35 St
imm



Mr. Harold Curo
Cass County Surveyor
Akeley, Minn

3916-42m
apt 95

Field Book 243

Dec 20-136-29. Loon Lake

13-140-31

14-13

25 24

42 52

June 4 - 66

Dear Mr Curo

I have been trying to contact you at Walker and Akeley and learned you are now at Birch Lake.

Would like to engage you to locate two corners of our property at Spoon Lake. & at Pequot Lakes.

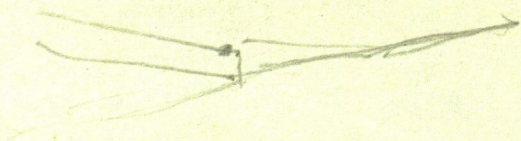
If you are available, would you kindly get in touch with me at my Minneapolis address.

I could help you on any weekend convenient to you.

Hoping you can favor me real soon in this work, I am Very truly yours
Adolph Winkler - 2115 - W. 63rd St
Minneapolis Minn.

Lot 3 Sec 20

245



The descriptions of the
corners I would like
located are as follows:

Part of lot two (2) ($NW \frac{1}{4} - SE \frac{1}{4}$)

Sect 20 - Township 136
Range 29

Addresses.

3

4

①

May 13-1939

Michaelson - Dallam
Plot

Gov Lots 7-8-35-136-29

Crow Wing Co Minn 5th P.M

Lot 7 = 15.53 A. US ?

" 8 = 24.00 " "

J. W. (Jack) Michaelson - Nisswa

P. H. (Phil) Dallam^{Rev} 2205 Kenwood

Pkway - Tel Kenwood 2177 Mpls

They own all of Lots 7-8 East of
the State Highway except
R of W of M & I R.R.

Will not plat that part
between the RR and wagon
road ?

May 13-1939 Saturday

As Mr Michaelson called at Jenkins yesterday to have me look over their land to be platted I drove down Martha and I to Jenkins 2.30 P.M.

We walk over the land and I tell Mr Michaelson that I will plot the land for \$350.⁰⁰ and will locate the E-W & Sec 35-136-29 for \$100. ex tra or \$450 in all

He says O.K. but we will wait for the approval of his partner Mr P. H. Datham who will be here Friday evening May 19th and stay till 3 PM Sunday May 21 and then go back to Mpls

6 May 20-1939 Sat

I meet Mr Daltam at the lake and he says any deal with Mr Michaelson is O.K. with him

I tell him he does not have to have all the money but \$35.00 week to help pay expense is O.K.

Later: I tell Mr Michaelson that I will donate the \$100 and put in his so line free.

So that \$350 is the total price. But: I will want the \$35 per week. He says he thinks they should pay the \$100 and that I should not do it for nothing. Anyhow I get the \$350. whether I put in the so line or not.

Jahm W. Cress

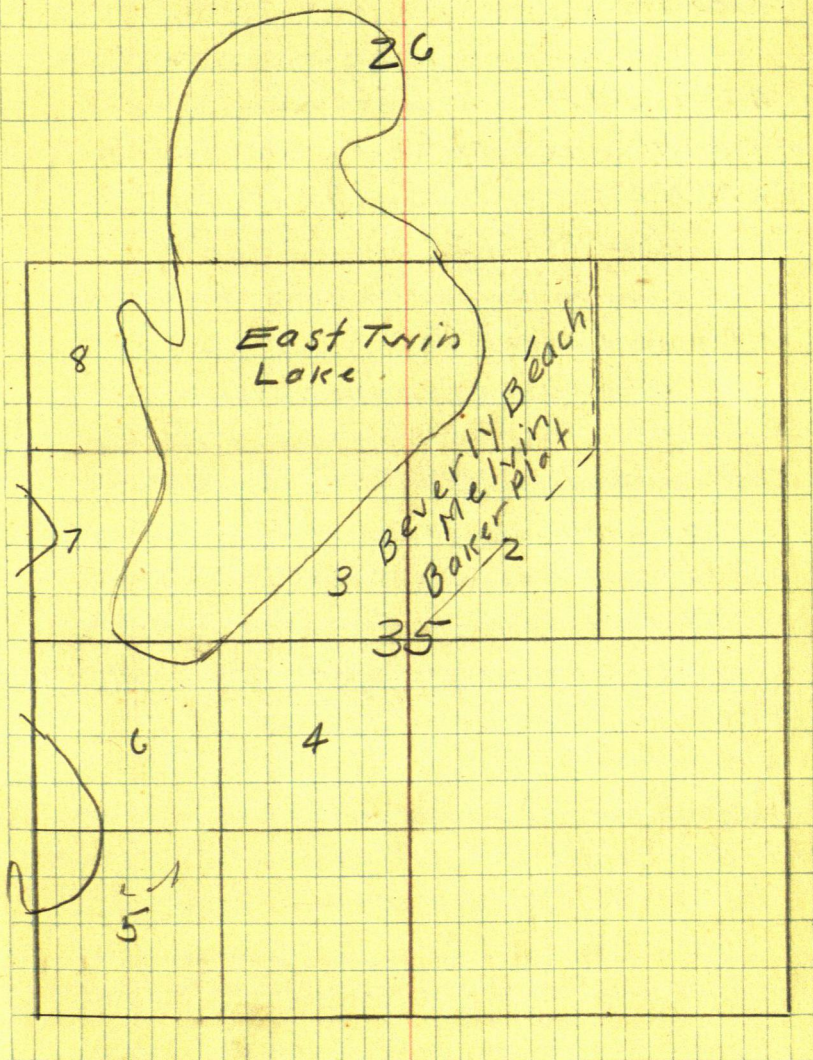
④

7

Michaelson - Dallam

East Twin Lake

Lots 7-8-35-136-29



8

⑤

U.S. Notes 35-136-29

North bet 34-35 Var 10°E

200 LV Tam SWP E-W

NP16 S 54 W 65

1140 MC. " 18 S 10 E 164

3100 MC. N Side NP12 S 62 E 224

" 14 N 2 W 238

40 = 1/4 Bet 34-35 NP12 S 30 W 40

" 14 S 15 W 32

4826 MC NP14 N 60 E 71

" 14 S 15 W 32

5490 N. edge NP10 N 25 W 30

BP8 S 56 E 32

80.00 Cor 26-27-34-35.

BP7 S 76 W 3

" 8 N 50 W 20

" 10 S 21 E 76

NP12 N 56 E 38

Crossed the lake on ice

East on Random Bet 26-35 Var 10°E

5.50 Leech Lake Road N-S

1540 Margin of lake Set 190°

8000 Intersect of Corner

West on true line

3280 MCE Side BP 8 N 12 W 24

NP - S 43 E 35

6460 MC W. Side NP14 S 14 W 22 = 14.52

BP 12 N 32 W 41 = 27.06

7450 Leech Lake Road N-S

8000 Cor 26-27-34-35

August 5-1939

Harald-Wilfred Miller and I at
USMC on W. sid. East Tarn Lake

But Deer 26-35-136-29

We find a 2x48" oblong Cap
pipe set at East end of wire
fence This pipe was set by

C. Surveyor Louis Knudsen

We have a shovel and dig out
sand 3 feet deep then straighten
pipe over which we set a

BTS up sharp hill West on fence
Knudsen's BTS Copper plates
bear viz

JP 6 N $73^{\circ}35'W$ 34.30

JP 10 S 34° W 18.00

Bear cap at base and 3 ft up

The old NW-US-BT is down
plainly marked uprooted
and from about where it sloat
set pin in mound of root dirt
pin bears N $37^{\circ}40'W$ 25.50

This Iron Seem to be about 1.80
north of Harald's E-W-Randon

So we decide to use random as true line

10

August 5-1939 continued
 "Bud" Elmquist comes along
 and says his mother is packing
 to go -- will stay 3 weeks in
 California and return

I would like to meet Mrs
 Elmquist and Bud takes me
 to his callage

She gives me her home address
 Elmquist Drug Co 511-N. Snelling
 Ruth C. Elmquist Res 1756
 Marshall Ave St Paul

Mrs Elmquist still manages the
 drug store but I am to write her
 at her home res. address

She has sold to Michaelson
 and Dallam Gov Lots 7-8-

Sec 35-136-29 including the
 Gilkie Cabin on so end of Lot 7
 and as this small log cabin
 may be partly off the land she
 sold she wants me to run
 the line and will pay me
 \$100. She reaches for his
 check book to give me \$50 on
 account but as he has no

blank checker she hands me

\$20. Cash - Bud goes with me
to my car and we a receipt
and copy viz

12

SEC. 35²

136-29

Harold's Notes copied
from small book 413 copied
April 15, 1950.

136-29

Aug 1, 1939

Wilferd Miller and I Lr
Jenkins in myford at 10'clock
and drive to Section 35-136-29
finish cutting out sec. line
N. side of sec 35 and then
get T and set hubs R.R. spikes

beg at I.M. cor to sec.s 26-27
34-35 - 136-29 and run

East @ 255 pin W. side State
Highway @ 269.6 \pm @ 282 pin
E edge of highway + 46.4 = 328.4
R.R. spike hub

Harold Curro

Aug. 2 1939

Wilferd & I pile poles from 8 o'clock to about 10 - Then I get my lunch and drive to East Twin Lake Finish chaining E from hub 328.4 to lake. N.G. book 413 Note I do not copy N.G. chainage as we rechain this right a way

Aug. 2-1939

@ 328.4 hub O.K. @ 569.2 hub R.R. spike O.K. @ 616.4 hub R.R. spike between rails of M & I R.R. Tract

Note: this hub is not in center of Tract but close to East rail

$328.4 + 300 = 628.4$ pin $+ 300 = 928.4$ pin $928.4 + 30.3 = 958.7$ hub

R.R. spike, $928.4 + 99.8 = 1028.2$ hub R.R. spike on seawall. 3 ft W. of water From hub 1028.2 E M.C. I.M. sets N. 1.80 O.K.

Corrections

1028.2 into 1.80 = .00175 O.K.

Each foot E goes N .00175-

Hub 328.4 E goes N .57

" 569.2 E " N .996 or 1 ft.

" 616.4 E " N 1.08

" 958.7 E " N 1.68

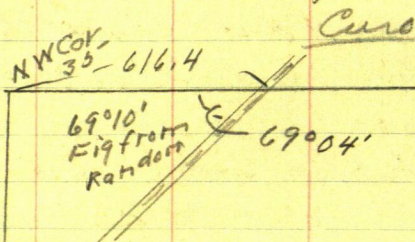
" 1028.2 E " N 1.799 or 1.80 to M.C. I.M.

OK Harold Curo

14 E. Twin Lake ⑩ Sec 35-136-29

Aug. 2, 1939

Note: We do not correct
this line but use Random
First Random as true line & it
hits 1.80 S. of Knudsen's I.M.
I.M. is 1.80 to far N.



Over hub 616.4 between
rails of R.R. Tract the S W
angle reads $69^{\circ}04'$
Tract runs $N 20^{\circ}55'E$

Reading S W Angle

1st $69^{\circ}04'$

2nd $138^{\circ}08'$

from hub 616.4 chain E 88.6 =
705' at hub on Street line
33' E of R of Way of M+I

Michaelson &
Dallam

(12) Sec 35-136-29 15-
E. Twin Lake

Aug 5-1939

Wilferd & I in my car JWC
in his car drive to East Twin Lake
From hub 616.4 on R.R. Tract N
side of Section 35. - Chain E. 88.6
to 705.00 E on N side of Sec 35 set
hub on street line 33 ft E of
R.R. right of way

From hub 705 E chain south
on E. side of street @ 29.8 hub
@ 184.45 hub @ 300 \angle of road W+NE
@ 319.8 hub @ 454.4 hub @ 528.8
hub @ 661.0 hub @ 893.0 hub @
1085.3 hub \angle of Road NW+SE
@ 1201.3 hub @ 1354.65 hub
@ 1440 stake + 145.8 = 1585.8 hub
 \angle Tract M+I all hubs R.R. apothecary
P.M.

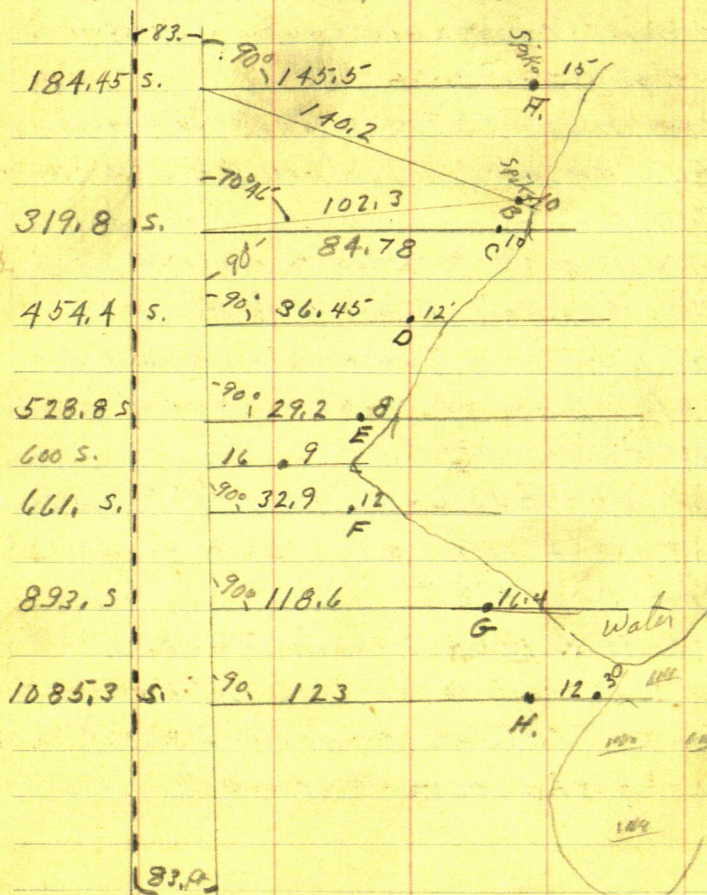
Wilferd-I+JWC Lv at noon in
his car. will be back. Later
We use the E line of street
which is 83 ft E of \angle M+I R.R.
Tract for a base and call it
N+S.

Now hub 184.45 S BS N Turn

Harold Curo

16 Michaelson + 13 Sec 35-136-29
Dallam E. Twin L

90° R. and run @ 68' road
NE-SW @ 145.5' hub on seawall
15 ft W. of SW p. NE & S = Point A
T still @ hub 184.45' run S 43°30'E
@ 55' E road @ 140.2 R R. hub
on seawall 10 ft W. of water point B



Harold Cino

Michaelson (14) Lots 7-8-50035 17
Dallam E. Twinlake 136-29

Tower hub 319.8 B.S. N on line & run
N 70° 46' E 102.3 ft to point "B"

Tower hub 319.8 B.S. N Turn 90° R. &
run 84.78 to R. R. spike on seawall
point "C" 10 ft West of water

Tower hub 454.4 B.S. N. Turn 90° R and
run @ 36.45. R.R. spike hub on seawall 12
ft. west of water point "D"

Tower hub 528.8 B.S. N Turn 90° R and run
@ 29.2 R.R. spike on seawall. 9 ft west of water
point "E"

@ 600 S hub 16 ft to top of seawall
20 ft of seawall water 25 ft.

Tower 661. B.S. N Turn 90° R. and run
@ 32.9 - 42 on seawall. 12 ft W of water
point "F"

Tower hub 893 B.S. N Turn 90° R & run @
118.6 hub on seawall - 130 foot slope @ 135°
water point "G"

Tower hub 1085.3 B.S. N. Turn 90° R
& run @ 123 hub @ 135° hub solid marsh
water NE 30 feet. marsh SE 100 feet
Sloping shore no seawall

Harold Curo

18 Michaelson (15) Lots 7-8 Sec 35-
Dallam E. Twin Lake 136-29

Aug 9th 1939

Wilferd Miller + I Lr Jenkins
@ 7-45 drive to East Twin Lake
in my car.

Over hub 569.2 E on N line of Sec 35-
B.S. W. on our random line which we
will call True N. Line and set a
10th nail in line on E of M+I R.R. Tract
half way between the rails
Note: this nail is .77 of a foot west of
R.R. spike hub. 616.4 E making this
nail 615.63 E of NW cor of sec 35-
from this nail 615.63 E we chain
south along E of Tract 1087.8 to
point of Tang.

From nail 615.63 E on N side
of sec. 35. chain south on E of tract
@ 300 pin @ 311 E of crossing
@ 600 pin @ 900 pin + 187.8 = 1087.8
hub RR spike in True E between
the rails put in by chain

This spike is where the curve of the
Tract stops coming from the South
or where it starts coming from the N

From this hub we enter the curve
and set spikes south every 25 ft in
center of tract half way between the
rails all set with the chain

25-25-25-25 spikes + 25 = + on tie + 25-
+ on tie + 25 + on tie - 25 = + on tie + 25 +
25 + 25 spikes + 25 + on tie + 25 spike
+ 25 = + on tie + 25 spike + 25 spike
25 + on tie - 25 spike + 25 spike + 25 =
500 + on tie + 25 spike + 25 + on tie
25 + on tie 25 spike sta 600 - 25 spike
25 spike 25 + on tie 25 = spike sta 700
700 + 18.2 = 718.2 + on tie P-C

pg. 39
Book 413

MV Baker of Nisswa
phone Nisswa 378

Baker wants the South line of
Gov't Lot 3 Sec 20-136-29
he writes me and calls me up
on phone then drives to Walker to
see me.

June 13th I call Baker + tell
him I will come Sunday he says wait
until Monday or Tue. as he can not
get away. OK.

June 15th Tue 1954

I call Baker at 7-30 about tell
him I will leave Walker in about an
hour get oil changed get gas
\$7.60

Ed + I Lv Walker drive
to corner to Sec. 20-21-28-29-136-29
where my old Notes say

JP 4 S 35° 08' E 41.00

" " 12 N 53° 12' W 73.3

" " 5 S 54° 24' W 47.4

" " 1 1/2 N 47° 23' E 47.4

We find the left stub of the NW tree
blow over from which we chain
from where blaze would be if stub
stood up at 73.3 we find the
2x48" capped IM. 3" below ground
T over IM site E along E road
called E take trees

Birch 8 S 28° 05' W 27.40'
JP 5 N 44° 07' W 66.45'
JP 10 N 72° 07' E 80.95'-
JP 6 S 36° 04' E 35.35'

I walk West to Loom Lake old Bridge
called for in JWCuro's notes of Feb 1909
is gone and the outlet also gone
@ 11-50 Baker has not showed up yet
I walk back to the car.

22

22.44

(19)

From spike hub on top chain

E down hill 409.7 to IM 20-21-27-28

From spike on top chain West

downhill 3-6-900 = 1309.7 spike Not

on line + 150 = 1459.7 + 140 = 1599.7

pin edge of road in curve + 48 = 1604.5

hub 604 spike. 1599.7 + 70 = 1669.7 pin

1599.7 + 4.8 = 1604.5 hub

+ 300 = 1969.7 stake + 46.65

2016.35

Tower 2016.35 Temp MC sets

S 30° 32' W 11.9

old Notes 1909 - by JW Guire

says from SE cor sec run West

true line @ 1320 pin 1680 enters slough

@ 1999.8 pin @ 2015 E edge seawall

2034 M.C.

Fig 1

S 30° 32' W 11.9

Sine 508040 x 11.9 = 6.05

Cosine 861334 x 11.9 10.25

$$\begin{array}{r}
 1599.7 \\
 + 70 \\
 \hline
 1669.7 \\
 + 300 \\
 \hline
 1969.7 \\
 + 46.65 \\
 \hline
 2016.35 \\
 + 10.25 \\
 \hline
 2026.60
 \end{array}$$

10.25 - 2016.35

Continue on Pg. 24

Old Records

5287.65 Fig.

2643.82

13.21.91

Sec 20-136-29

K Todd-1913

5225.6

K JWC 1909

5363.55

Mod June 17/1954
K 89°19' →

K 100'

K 100'

K 100'

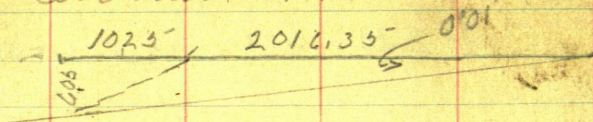
5363.55

IM

24

(21)

Correction S. line Sec 20-136-29



$$605 \div 2026.6 = .0029852955$$

but 409.2 W goes S 1.22

" 1604.5 W " S 4.79

using JWCuro's records in Record book A
page When all the Gov't marks

were here the E 1/4 should be
set at a point 1342.57 W of

SE cor Sec 20-136-29

From pt 1309.7 chain West 32.87
to 1342.57 but but on random

but 1342.57 W goes S 4.01 to it for
SE cor Lot 3 Sec 20

$$2 \overline{) 536355}$$

$$2681.77$$

$$\begin{array}{r} 438 \\ 0 \\ \hline 348 \\ 348 \\ \hline 3858 \end{array}$$

U.S.B.Ts

MC No 28 E side Loon lake det 20-29

NP 14 S 25° E 34.115 = 22.44

NP 10 N 11° W 58" = 38.28

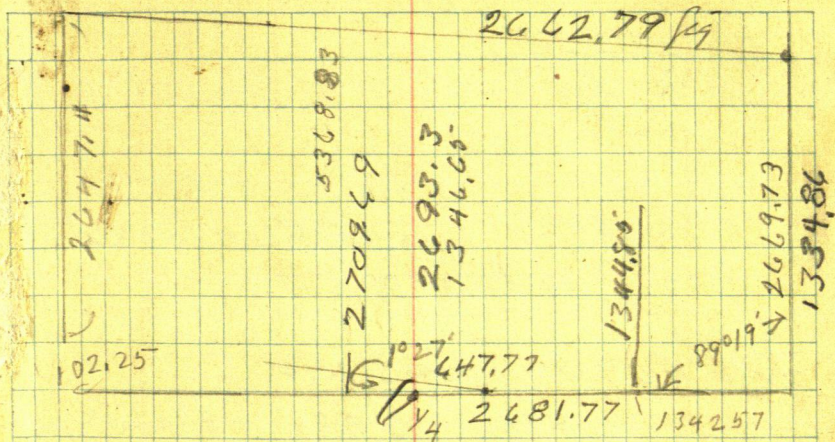
25°

Sine 422618 x 2244 = 948

Cosine 906308 x 2244 = 2034

(22)
Sec 20-136-29

25



1027' 647.77

Sine 025305 \times 647.98 = 16.39

Cosine 999680 into 647.77 = 647.98

2709.69

- 16.39

2693.3

Tower hub 2016.35 M.C. No 28
sets S 51° 37' W 21.6

S 51° 37' W 21.6

Sine 783 874 \times 21.6 = 16.93 W

Cosine 620920 \times 21.6 = 13.41 S

26

h 1693 2016.35'
 1341 5471.7
 17.9

2016.35 -
 1693
 2033.28 $\sqrt{11346.00}$.006595254 = 0°02'

Sub 409.7 W goes S 2.70

1342.57 W " S 8.85 SE cor Lot 3

1604.5 W " 10.68

2016.35 W " S 13.30 to wit me

NE cor Sec 20

This

JP 10 S 25°34' E 40.20

JP 5 S 43°55' W 45.30

JP 8 N 35°21' W 43.55

JP 10 N 61°52' E 49.55

2016.35
 1604.5
 411.85

Sec 20-136-29

27

1342.57

1321.91

20.56

100383

535417 2032.00

535417

N0°39'14"

N0°41'20"

S-3396-

134257

Book 84 - Horst p. 2-13

Oct 29-1955 Sat

Last week Jack Willett who is
buying Sunset Beach Resort on East
end of Portage Lake Gov't Lots 1 & 2

Sec. 31-145-28 came
to my office I tell him I will leave
Monday Oct 31st I am to get
description from Art Peterson Attorney

Monday 31-1955

I drive to Sunset Beach Resort
in Gov't Lots 1 & 2 - Sec. 31-145-28
where I meet Jack Willett he goes
shows me a 3" wellpoint set for a
corner which corner he does not know

The yellow tag on a tree says it is
 $\frac{1}{16}$ Center NE $\frac{1}{4}$ Sec 30 go to Ben
to Forest Rangers they have no
records of anything their map
shows the SE & SW cor's of 31 in
They are not sure, also sketch
out on E & W & they do not know
if it is a $\frac{1}{16}$ or not in Sec 31

dinner at Resort I drive back
to walker and copy sketch on next
Page from Gov't Survey Plats
also maps from Record books A & B - n

30 Record Book A 19.544 ^③ Birch
 Poplar ^{Q10} N 56° W 29.20' True Cor
 New BT N 70° E 1026 4
 2 1/2 x 48" IM

145 = 28

145 = 27

24

Stole 5 1/2"

19

True Cor
 2 1/2 x 48" IM

Sec 25

MS
 1/4

Compass line

5043 Van 8000'

46890'
 2651'

11606
 10756.3'

IM

30

Sec 25

line

TM

Transit

IM

Sec 36

Sec 31

30 90'

TM
 2143'

True Top Cor
 9104'

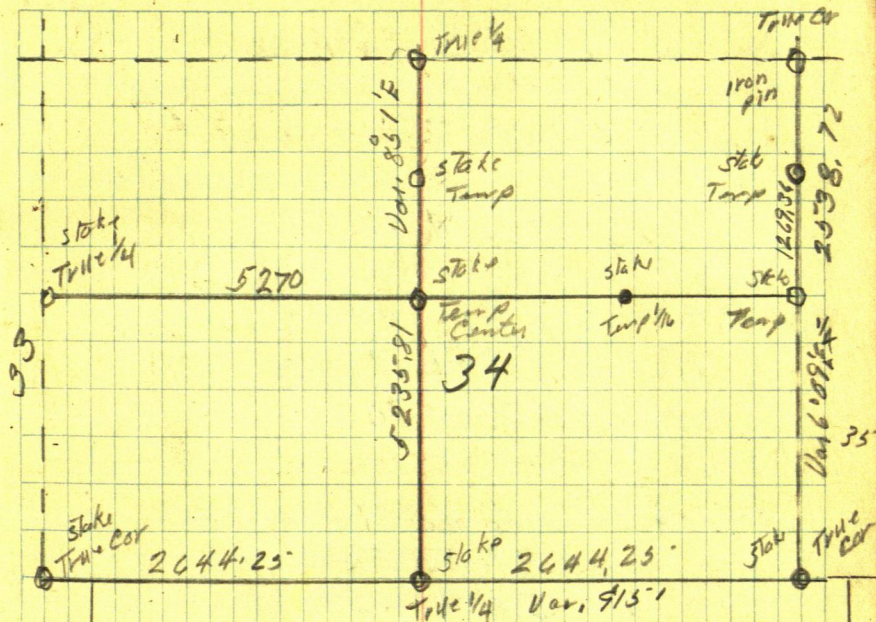
wood stake

6 Mile Lk

145-28 Record Book B JWC
27 1907

31

26



TRIP 144-28

4

3

Back to Sunset Beach Resort for
 supper & over night stormy snow &
 rain Watch Telev. until
 about 10-30 stay in cabin #5
 Copy U.S. Notes

S - SE Cor. Sec. 31 - 145-28

Fir. 5 N 35 E 73

W Pine 10 N 70 W 70

S. $\frac{1}{4}$ S. side Sec 31 - 145-28

Tank 8 N 35 E 50

" 5 N 60 W 39

T SW Cor Sec 31 - Twp Cor.

X.P. 19 N 40 E 41

B.P. 9 N 66 W 91

t $\frac{1}{4}$ W side Sec 31

N.P. 12 N 76 W 31

N.P. 14 N 81 E 49

M.C. No 16. S side Portage Lake on Rgeline

Cedar 12 N 65 E 8

Spruce 12 S 32 W 48

U - Sec cor NW Sec 31 - 145-28
in Lake

u $\frac{1}{4}$ W side Sec 30
In Lake

MC #18 N side Portage lake on Rge line
Elm 18 N 13° E 20
Ash 10 N 19° W 48

V - NW Cor. Sec 30 - 145-28

NP 20 N 74° W 10

NP 24 N 52° E 160

NP 18 S 88° W 25

NP 16 S 75° E 58

Sto Bat 1 = $\frac{1}{4}$ bet. Sec 31-32 - 145-28
J.P. 10 S 76° W 148

29-30-31-32

Tan'h 4 S 48 E 40

" 3 N 54° E 38

" 4 N 86 W 26

" 3 S 50 W 90

S to B at 2, = $\frac{1}{4}$ bet 29-30-146-28

J.P. 6 N 74 W 18

J.P. 6 S 30 E 19

19-20-29-30 - 143-28

J.P. 6 N 70 W 32

J.P. 7 N 18 $\frac{1}{2}$ E 19

J.P. 8 S 33 E 82

M to U at 6 = $\frac{1}{4}$ bet 30-31

J.P. 6 S 71 E 18

J.P. 6 S 30 $\frac{1}{2}$ W 28

M C N^o 17 bet bet 30-31 West of Lake

Balsam 8 N 27 E 22

Balsam 8 S 33 E 15

L to V at 6 = $\frac{1}{4}$ bet Dec 19-30

J.P. 10 S 15 W 83

J.P. 8 N 13 E 90

(8)

11 Standard Parallel

35-

CC, A 1752 LK East of Std Cor

BP 8 N 26 W 22

BP 7 N 15 E 29

a 1675 E of Std Cor

B 9598 E of Std Cor

Tam'k 4 S 19 E 63

" 3 S 85 W 206.

34 ⑨ Sunset Beach Sec. 31-145-28

Nov. 1-1955-

Jack Willett has 2 Indians come over to help on survey. Jack + I drive S and look for corners do not find anything back to Road where Jack finds his two men as we have not located and place to start Jack puts his men to work around Resort. I drive in to check with Forest Rangers

Then to dinner at Sunset Beach
PM.

as the Rangers say the SW corner of Twp 145-28 is marked also the N line of Sec 1-144-29 has some kind of cor. established that one of the corner is close to loading platform at Portage Lake saying that yellow tag on big tree will show what corner I drive to siding Section foreman show me about where the corner was but the right of way of So. line R.R. which he says is 100 ft S and 200' N of RR Tracts has all been logged off even the tree with yellow tag is gone I go east but can find nothing

drive S W on road find yellow tag
on post with Nail at $\frac{1}{4}$ cor. which
say section cor to Sec. 1-2-144-29
is 36 chains west.

Go North to Highway #2
where I find the E $\frac{1}{16}$ and $\frac{1}{4}$
being $1\frac{1}{2}$ pipe with 4x4" wood stakes
back to Sunset Beach @ 4 P.M.
sleep a little writing this Jack's
two Inch chains will be here to start
N + S @ S thru Sec 30-145-28
in the morning

At the $\frac{1}{4}$ between Sec 19-30
U.S. Notes call for.

J.P. 10 S 15° W. 83 = 54.78

J.P. 8 N 13° E. 90 = 59.40

six o'clock stormy and cold
my feet are got awful cold in
cabin #5 writing these notes

Nov 1- 1955-

I make a contract to
do the Eng. Work He furnish
the crew for \$300.00
\$100 when I send letter of
agreement - \$100 when staked
and third \$100. when he get
my report

The work is to establish
N line Gov't Lot 1 - see 31-145, 28
the E line of " Lots 1+2 " " "
the S line of " Lot 2. " " "

Set I M at Lake NW cor lot
1 - NE cor lot 1 - SE cor lot 2
and SW cor lot 2 at lake shore

I am to get the use of
Cabin #5 at any time while
working on said job with Lunch
for me and my boys if I bring
them to help me

Work to be completed by
April 15 1956.

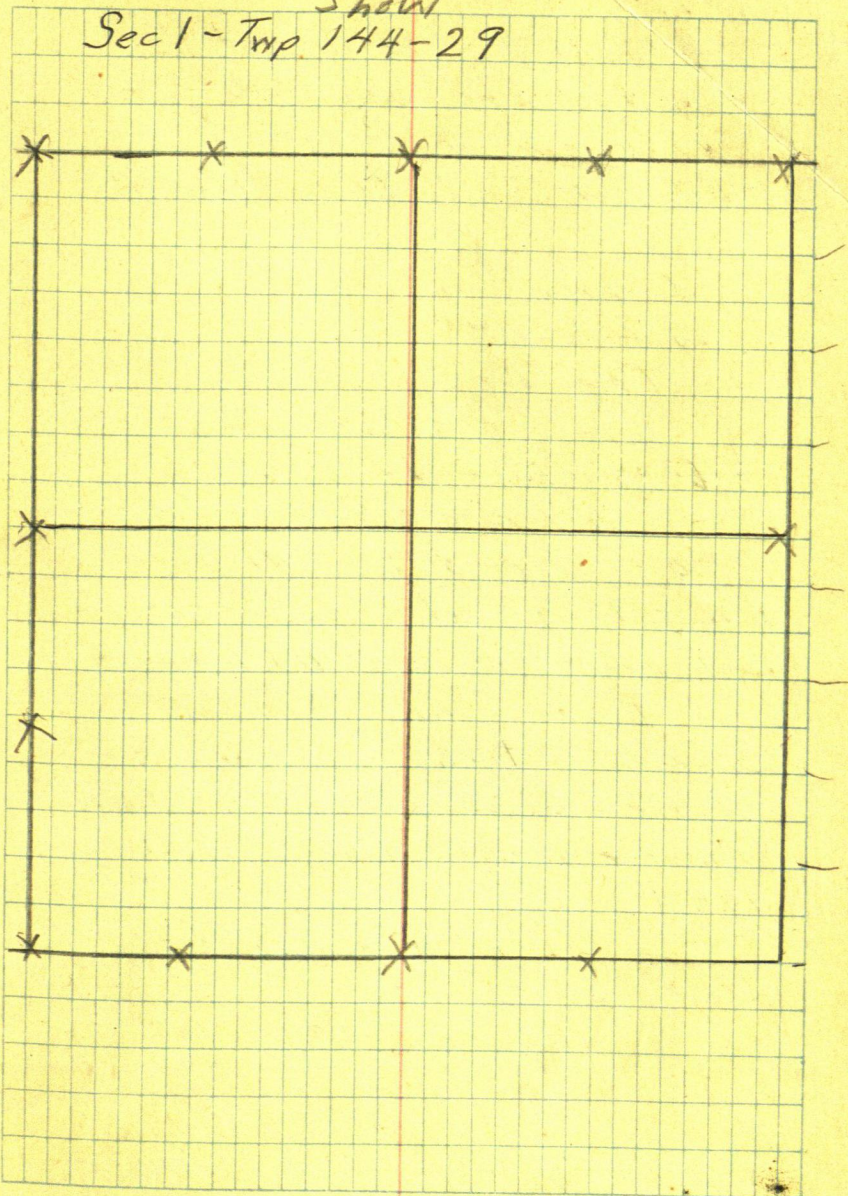
Sooner the better

(12)

39

Map in Forest Ranger's Office
show

Sec 1 - Twp 144-29



40

$$\begin{array}{r} 281 \\ 169 \\ \hline 112 \end{array}$$

$$\begin{array}{r} 280 \\ 112 \\ \hline 168 \end{array}$$

(13)

$$\begin{array}{r} 300 \\ 12.1 \\ \hline 287.9 \end{array}$$

Nov. 2nd 1955

18° above at 7-30 cold NW wind
Crew comes around 8 o'clock
We go to $\frac{1}{4}$ N side Sec 30-145-28
and run South 90° to Blazed line
E & W.

Crew

J B Kelley

Allen Ryan.

Chain @ 283.95 hub @ 300 pin
+ 60 = 360 pin + 42 = 402 edge of far
+ 28 Lr Tarr @ 360 + 40 + 30 = 430 pin
+ 170 = 600 @ 59.5¢ Sooklin - R.R.
600 + 99.9 = 699.9 hub + 300.1 =
1000 pin + 241.1 = 1241.1 hub under T
T still over 1241.1 IM sets
S 32°35'W 98.4.

$$\sin 53855 \times 98.4 = 52.99 \text{ W}$$

$$\cos 177 \times 84261 \times 98.4 = 82.91 \text{ S}$$

1241.1

82.91

$$132401 \text{ into } 52.99 = 104002$$

hub 1241.1 S goes W 49.67

We correct hub 1241.1 & set hub
T over IM $\frac{1}{4}$ BS N on correct hub
1241.1 S and continue N & S sec 30 S

(14)

44

145-29

145-28 IM

IM
F
1/4
Iron
Mon

25

30

Portage
Lake

1
2

31

145-29

11th St. Park

1752

144-29

1156.32

144-28

2

6

South on what should be true N & S
 & Sec. 30-145-28

Check figures

S 32° 35' W 98.4 ft

Sine		Cosine	
53855		84261	
98.4		98.4	
215420		338044	
430840	OK	674088	
484695		738349	OK
52993320		8291382	

$$\begin{array}{r} 1241.1 \\ + 8291 \\ \hline 1324.01 \text{ OK} \end{array}$$

$$\begin{array}{r} 132401 \overline{) 5299.00} \\ \underline{4} 529604 \\ 529604 \\ \hline 296000 \\ \underline{264802} \\ 311980 \end{array}$$

$$\begin{array}{r} 1324.01 \\ + .04002 \\ \hline 264802 \\ 52960400 \\ \hline 529868802 \\ \underline{264802} \\ 98962822 \end{array}$$

$$\begin{array}{r} 1241.1 \\ + .04002 \\ \hline 24822 \\ \underline{24822} \\ 4964400 \\ \hline 49.6713042 \text{ OK} \end{array}$$

Nov 3 - 1953

Still at cabin #5 Sunset Beach Resort

I get a Court Order to begin
Court at 1-30 NOV. 4 As at Noon
I pull out for Walker
Friday 4 in court

Sat in Office looking for
information about corners
for NW Paper Co. AM.
PM

get Location of house in S. 30
E. 1 of Lot 3 and N 45 ft of Lot 4
Blk 10 Commercial Club 1st
Add to Walker

Sunday
Write letters

Monday
pay bills make plat of Lots 3-4
Blk 10. Commercial Club Add
for M I Loan

44

(17)

 $\frac{1}{4}$ 3m

Type line

10 3/4 25

N 45° E

1/4

E & W

5530

14.52 ft
9.90 ft

US RT

Balsam 8 N 27° E 22 =
" 8 S 33° E 10 =

US

JP 6 S 71° E 18 = 11.88
JP 6 S 30 1/2° W 28 = 18.78

MC

45 1/4 19,00 ft

1/4

US RT

Center 12 N 45° E
Spring 12 S 32° W 48

MC

US RT

NP 12 N 76° W 31
NP 14 N 81° E 49

E & W

5537

33.00
25.74

US RT

YP 19 N 40° E 41 =
BP 9 N 66° W 91 =

2 1/2

US Ties

Tamk 8 N 35° E 50 = 33.00
" 5 N 60° W 39 = 25.74

Type line

1156.32

Line

4

$$\begin{array}{r}
 4 \\
 18 \\
 \underline{6} \\
 108 \\
 \underline{108} \\
 1188
 \end{array}$$

$$\begin{array}{r}
 132401 \\
 132401 \\
 \hline
 264802
 \end{array}$$

$$\begin{array}{r}
 2150 \\
 \underline{6} \\
 12900 \\
 \underline{12900} \\
 14190
 \end{array}$$

$$\begin{array}{r}
 11 \\
 28 \\
 \underline{66} \\
 168 \\
 \underline{168} \\
 1848
 \end{array}$$

$$\begin{array}{r}
 24179 \\
 132401 \\
 \hline
 109389
 \end{array}$$

$$\begin{array}{r}
 3 \\
 15 \\
 \underline{6} \\
 90 \\
 90
 \end{array}$$

$$\begin{array}{r}
 630 \\
 \hline
 3700 \\
 5 \\
 39 \\
 \underline{6} \\
 234 \\
 \underline{234} \\
 2574
 \end{array}$$

$$\begin{array}{r}
 22 \\
 \underline{6} \\
 132 \\
 \underline{132} \\
 1452
 \end{array}$$

$$\begin{array}{r}
 2309.6 \\
 111 \\
 \hline
 14204
 \end{array}$$

$$\begin{array}{r}
 2306.9 \\
 111 \\
 \hline
 24179
 \end{array}$$

$$\begin{array}{r}
 2306.9 \\
 210 \\
 \hline
 2516.9 \\
 300 \\
 \hline
 2816.9 \text{ min} \\
 624 \\
 \hline
 2879.3 \text{ hrs} \\
 300 \\
 \hline
 3179.3 \\
 3147.1 \\
 \hline
 3226.4 \text{ hrs}
 \end{array}$$

$$\begin{array}{r}
 43 \\
 1752 \\
 \underline{6} \\
 10512 \\
 \underline{10512} \\
 115432
 \end{array}$$

46

$$\begin{array}{r} 52. \\ \underline{75} \\ 51.25 \end{array}$$

$$\begin{array}{r} 19) 1036.35 \\ \underline{2930} \\ 23.85 \end{array}$$

Tues, Nov 8 1955

Take Plat of BLK 10 Commercial Club 1st Add. to Walker to

Godfrey's

Then get things and drive to Sunset Beach Resort Bena

Jack Willett goes for crew

Comes back at 1⁰⁰ with

J B Kelley. We go to 1/4 Center N 1/2 Sec. 30 - 145-28-1 M and chain South on N & S E Sec 30 -

$$\begin{aligned} @ 436.35 \text{ Sub.} + 300 &= 736.35 \text{ pin} \\ + 300 &= 1036.35 \text{ pin edge of road} \\ \text{NE SW @ 1045 - E road} \end{aligned}$$

$$\begin{aligned} @ 1036.35 + 29.3 &= 1065.65 \text{ hub} \\ + 300 &= 1365.65 \text{ pin} + 51.25 = \end{aligned}$$
1416.90^{51.25} hub, where we left off cutting Nov 3.
$$\begin{array}{r} 436.35 \text{ hub} \\ + 300 \\ \hline 736.35 \text{ pin} \\ + 300 \\ \hline 1036.35 \text{ pin} \\ \underline{29.3} \\ 1065.65 \text{ hub} \\ \underline{300} \\ 1365.65 \text{ pin} \\ \underline{51.25} \\ 1416.90 \text{ hub} \end{array}$$

$$\begin{array}{r} 1416.9 \text{ hub} \\ + 300 \\ \hline 1716.9 \text{ pin} \\ \underline{143.2} \\ 1860.1 \text{ hub} \\ \underline{1716.9} \\ 150 \\ 1864.9 \text{ pin} \\ \underline{300} \\ 2166.9 \text{ pin} \\ \underline{135.4} \\ 2302.3 \text{ hub} \end{array}$$

$$\begin{array}{r} 2166.9 \\ \underline{140} \\ 2306.9 \text{ pin} \\ \underline{111} \\ 2417.9 \text{ hub} \\ \underline{2509.6 \text{ hub}} \\ 210. \\ \hline 2719.6 \\ \underline{2516.9 \text{ pin}} \\ 202.7 \end{array}$$

$$\begin{array}{r} 2516.9 \\ 73 \\ \hline 1509.6 \end{array}$$

$$\begin{array}{r} 20) 2866.9 \\ 1353.4 \\ \hline 2302.3 \end{array}$$

$$\begin{array}{r} 140.6 \\ 4.6 \\ \hline 135.4 \end{array}$$

47

Nov 9-1955

Jack goes after the crew he beg.
at hub 1416.9 and continue
N+S & Sec. 30. - 145-28 cut &
hub line until Noon.

P.M.

Kelley & I chain up viz
Allan Ryan cuts line

beg at hub 1416.9 chain South
+ 300 = 1716.9 pin + 143.2 = 1860.1 hub
+ 150 = 1866.9 pin + 300 = 2166.9 pin
+ 135.4 = 2302.3 hub * 140 =

2306.9 pin + 111. = 2417.9 hub on blazed
line E+W. @ 2509.6 hub L L L

2306.9 + 210 = 2516.9 pin + 300 = 2816.9
pin + 62.4 = 2879.3 hub + 300 = 3179.3 pin
+ 47.1 = 3226.4 hub.

We continue N+S & Sec. 30
145-28. S cutting line across
swp - snow & rain all day
dark cloudy. Try to set hub
over swp to dark to see good
quit at 4:50 P.M.

Sec. 31-⁽²¹⁾145-28

Nov 10 - 1955-

Crew J. B. Kelley ax + flag-chain

Allen Ryan ax

Kelley comes over last night
and tell Jack he has to go to
Bemidji this morning and will
not be here another man to take
his place at 8-30 \pm Jack goes
after crew finds Allen Ryan
who does not want to come but
does can not find the other man
So Allen + I go continue

N + S $\frac{1}{2}$ thru Sec. 31-145-28

My car stops and will not
start. Wires let go again + guess
dark cloudy not cold

Allen + I cut line + hub
N + S $\frac{1}{2}$ Sec 31 until 4.45
go to Sunset Beach Resort

I take Allen home and drive
on into Walker where I pick up
Edward Curo and drive back
to Sunset Beach Resort and
around 10 P.M. over night in
Cabin 5 Ed. + I

$$\begin{array}{r} 5328 \\ 220 \\ \hline 5548 \end{array}$$

$$22) 2.8$$

$$\begin{array}{r} 60 \quad 898 \\ 1.2 \quad 5548 \\ 45 \quad 4.2 \\ \hline 5438 \end{array}$$

49

Nov 11-1955

Ed + I get Breakfast table WKK
along and walk to N + S & Sec. 31
Lv Tank line Walk N on &
to hub 3226.4 - S of IM 1/4 Center N 1/2
Sec. 30 - 145 - 28

beg. at 3226.4 continue chaining
S 3226.4 + 60 = 3286 enter swp.
3226.4 + 300 = 3526.4 pin in swp
+ 4. = 3530.4 pin in log + 170 =
3700. & Creek 3530.4 + 300 =
3830.4 pin @ 3850. LV ship
+ 84.8 = 3915.2 hub + 300 = 4215.2
pin + 71.1 = 4286.3 hub + 373.60 =
4659.9 hub + 3681 = 5028.0 hub
+ 308 = 5328.0 pin + 5548. pin
@ 5543.8 hub 343.1 - 5891.1 hub
+ 542.8 = 6433.9 - 5 hub @ 6491.1 pin
@ 6550 enter elder + Tank swp

Ed hit the chain with the ax cutting
off 50 some feet so we chain using
200 ft 6491.1 + 200 = 6691.1 stake +
200 = 6891.1 stake 1st stake Not marked + 200 =
7091.1 stake + 62.3 = 7153.4 hub +
200 = 7353.4 pin 200 = 7553.4 +
142.8 = 7696.2 hub quit for night

Nov. 12 1935

Ed & I continue cutting
South on N + S & sec 30-31-143-26
P.M.

beg at hub 7696.20 S + 200 =
7896.2 min + 200 = 8096.2 min.
+ 88.2 = 8184.4 hub + 200 = 8384.4
min. 200 = 8584.4 min + 200 = 8784.4
min @ 8779.4 hub

8784.4 + 200 = 8984.4 + 200 =
9184.4 - min

as the $\frac{1}{4}$ I M Center of the N
 $\frac{1}{2}$ Sec. 30 is 1324. ft South of
the I M $\frac{1}{4}$ on N line of Sec. 30.
said $\frac{1}{16}$ center N $\frac{1}{2}$ should be $\frac{1}{2}$
distance between N $\frac{1}{4}$ & Center of Sec
30 So N $\frac{1}{2}$ of Sec. 30 should be
2648 ft long if the $\frac{1}{16}$ cor I M is
right calling the S $\frac{1}{2}$ Sec 30 - $\frac{1}{2}$ mile
2640 and the distance thru center
of Sec. 31 is 5280 ft one mile this
would make 8 feet Long thru Sec 30
& 31 on N + S & = 10568 ft as per
9184.4 - 5 is from $\frac{1}{16}$ Center N $\frac{1}{2}$ Sec 30
which is 1324. S of $\frac{1}{4}$ = 10508.4
the $\frac{1}{4}$ S side 31 should be at 10568. =
63.6 ft S of 9184.4.

91844 90.2	5280 24	8096 2	51
'1324'	5280	88 2	9248.
113084	10560	8784 4	9184.4
		5	43.6
		5779 4	

$$\begin{array}{r}
 9184.4 \\
 1324 \\
 \hline
 105084
 \end{array}$$

We walk West from pt for $\frac{1}{4}$ S side Sec. 31 which we do not find marking trees so as to find our way back to line from the road near SW Cor of Sec. 31-145-28 figuring on taking the car to point near SW Cor of Sec. 31 in the morning to save a long walk. Watch T.V. until midnight then go to bed cabin warm snowing outside yesterday and last night the fire keep going out so cabin was not warm. sleep well just the same.

Tomorrow I figure on trying to pick up corners along the N line of Sec. 1 - 144-29 and back up the Twp line to $\frac{1}{4}$ S side 31 as this is 11 Standard Parallel there is a jog of 1156.32 between the range line

Sunday Oct 7th 1956

Ed & I drive to Bill Elever's Resort on Winny Mott Lot 9 Sec 34-144 29- where I copy sketch from Blue print on next page we have lunch and drive to NW cor Mott lot 9 look for US Land Office Mon. which I cannot find Ted Hensch who they say knows where the corner is went duck hunting. we dig and try to find I.M. Ted Hensch returns from hunting says he can go right to it takes his shovel and goes to cor. we dig up half the road no cor. we chain from a lot stake E and from Iron fence post North, the fence post is driven full length in the ground to mark the cor of property it is on the N & S E of Mott lot 9 and 170.82 ft S of N line we find iron pipe on N line Lot 9 660 ft E of NW cor set by Beltrami Co. surveyor. do not find NW Cor. I use the irons found as Ted Hensch says he drove the irons at time of survey and they are correct.

Copied Oct 7-1956

Resort.

at

IM

1. Island Cor Pot 9.

9

170.821

900 155.

380

W

IM GR 13.20' Road

Wood

Good Morning

900-54

Gov't Lot 9
Sec 34-146

$E \frac{1}{2}$ Less Deeded
Tracts

Sec	34
Lot	Lot
9	10

 $\frac{1}{4}$ Cor

Thy line

660

Wood Man

660

US Land
Office Mon.

NW 1/4 NE 1/4
NE 1/4 NE 1/4
F F
SEC 3

US Land Office
Mon

Boundary line survey of E $\frac{1}{2}$ of Govt.

Lot 9 Less Seeded Tracts of the E 1/2

Sec. 34 - Twp 146 - 29

Surveyed by S F Sorenson County Surveyor
Beltrami County 1948

Scale $1" = 200 \text{ ft}$

Tower Fence post iron site N on
pipe in road. Turn 90° R, hit
hauler house

Site Non I. Pipe to telescope and
run S 10 ft for offset Tower 10 ft
spike site N turn 90° R and
run East set spike about 100 ft
E of π and one about 325 ft E
of π . Tower offset spike Turn 90°
run N 10 ft to line at both spikes
Tower the 325 ft spike chain from
fence post cor. at 100 - 200 - 300
drive 1/2 inch pipe @ 380 cut hole
in cement and drive rod.

Tower 380 turn 90° run N to
lake drive iron rods, to mark line
get 30 home late

Ponto Lake Twp

①

139-29

53-

June 29-1955 I get a letter from
Cass Co Surveyor Backus Minn
Walker Minn.

Dear Sir

Ponto Lake Town Board was presented
with a petition for a road, beginning at
the Southwest corner of the NE $\frac{1}{4}$ of the NW $\frac{1}{4}$
and the Southeast corner of the NW $\frac{1}{4}$ of the NW $\frac{1}{4}$
(as I figure it this would be the center of
the NW $\frac{1}{4}$) of Sec 23-T139-R29
running 80 rods due North to the Section
line between Sections 23+14 and
approx (9) rods running Due East on
the Sec line bet Sec. 14-23- and approx
40 rods west on the Section line bet Sec.
14-23. would like the road surveyed
soon as possible

Yours truly

Esther Shepard
Ponto Lake Twp Clerk
Backus Minn

54

Ponto Lake
Twp.

(2)

139-29

Backus Mm
May 28-1956Case Co Surveyor
Walker Plin's

Dear Sir:

Ponto Lake Township was presented with a petition for a road beg. at the SW cor. of the NE $\frac{1}{4}$ of NW $\frac{1}{4}$ and the SE cor. of the NW $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Sec. 23 Town 139 Rge 29 - running 80 rods due North to the Sec. line bet. Secs 23 & 14 and approx 9 rods running due east on the Sec. line bet 23-14 and approx 40 rods west on the Sec line bet Sec 23-14

When could you survey this road. I wrote you last year the 29th of June concerning this and have received no reply

Ponto Lake Town Board would like to hear from you about how soon you could take care of it

Yours truly

Esther Shepard
Ponto Lake Twp Clerk
Backus Mm

Roy Peterson Chairman

Feb 24-1958

Kerbie Siltman and wife calls at my Office to see when I will come and run out their road. I tell them to-morrow check Dean Anderson's Plat on file in Reg. of Deeds Office "Haleys Haven" in G 34. to see what he has along the North line of Sec. 23-139-29 see top of Page 60 this Book 245 also copy some of John W. Curd's old notes where he ran the South line of Sec 14-139-29 see page 61

John W Curd's notes says he ran from a point 45.1 E of his N+S Random W side Sec. 14.5 E

Note say 45.1 E of Random is 1069 E of M.C. on W side of Hand Lake

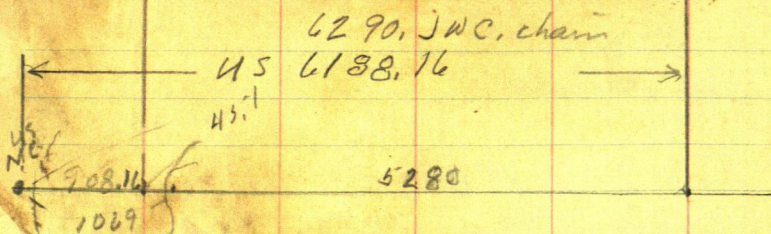
U.S. Notes same

from M.C. E to cor is 908.16

from Cor to M.C. E side Lake is 15.18

from M.C. W side of Lake to Sec. Cor

58



JWC. Notes Page 66 Book 156
 rays run East bet 14-23 parallel
 to N line sec 14
 at 4511 hwt.

Feb. 25 1958

$$720N - 324.25W + 1342.57W = 1666.82W$$

$$N 42^{\circ} 22' E 185.9$$

$$\sin 67387 \times 185.9 = 125.27 E \quad 1541.53W$$

$$\cos 73885 \times 185.9 = 137.35 N \quad 857.35 N$$

$$N 50^{\circ} 04' E 175.2$$

$$\cos 641785 \times 175.2 = 112.44 N \quad 969.79 N$$

$$\sin 766875 \times 175.2 = 134.36 E \quad 1407.19W$$

$$N 9^{\circ} 54' W 162.65$$

$$\sin 17193 \times 162.65 = 27.96 W \quad 1435.15W$$

$$\cos 98511 \times 162.65 = 160.23 N \quad 1130.02N$$

$$N 4^{\circ} 34' E 120.6$$

$$\sin 07962 \times 120.6 = 9.60 E \quad 1425.53W$$

$$\cos 99683 \times 120.6 = 120.22 N \quad 1250.24N$$

$$S 87^{\circ} 26' W 628.1$$

$$\sin 99900 \times 628.1 = 627.47 W$$

$$\cos 04478 \times 628.1 = 28.13 S$$

$$S 89^{\circ} 25' W 210.5$$

$$\sin 99995 \times 210.5 = 210.49 W$$

$$\cos 01018 \times 210.5 = 21.14 S$$

$$S 87^{\circ} 06' W 330.8$$

$$\sin 99872 \times 330.8 = 330.38 W$$

$$\cos 05059 \times 330.8 = 16.74 S$$

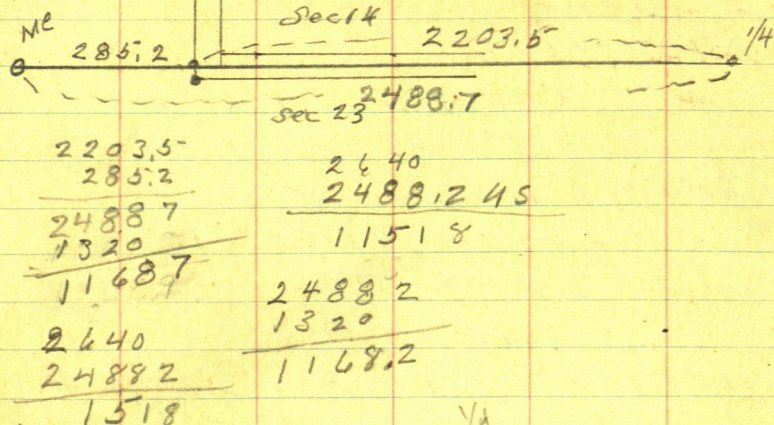
$$N 35^{\circ} 04' W 184.5$$

$$\sin 58401 \times 184.5 = 107.75 W$$

$$\cos 81174 \times 184.5 = 149.77 N$$

$$1352.99N - 1359.07W$$

plat G 34 office Reg'd



Hand
Lake
ME
Corin lake

Dean's 1/4
Says U.S.

W 1/4 Township

Sec 23

U.S. Notes 1/4 Det Sec 14-23
K to Wat 2

Tanik 6 S 1/4 W 32 = 21.12
Tanik 10 N 25 E 60 = 39.60

Continued from Pg. 66 book 156 61
Curo's old Notes ^{also} see book 156

beg at spike 45.1 E of IP of Kandon Innis
45.1 is 1069 E of USME. on West shore.

Ties J P 10 N about 85° E 49.5-

NP 15 N " 5° W 14.9

45.1 + 116.3 = 161.4 spike hub on hill

W.P. stp 24 N about 85° E 19.8

ack 3 S " 5° E 6.8

Continue E

March 26-1929 E bet. 14-23-139-29

845 = hub spike in tip of 12" pine stp 3 ft hi

1367 = ♀ old crooked road N + S

1372.8 spike hub 3 ft E of E wheel track

Ties old stake North about 15.60

JP 10 " " 6.10

JP 12 N " 85° E 4.3

Continue E @ 15-47.7 hub under X

1822.4 hub spike in S ½ 8" Green NP stp

@ 2150 enter swp

2866.10 hub spike on ridge

3050 enter swp

3565° E LV meadow

3788.9 hub in field

3968 enter cranberry bog.

5160 LV meadow

5170 hub IM Sec Cor. bears S 22° 55' W 104.88

Wed. March 5 1958

Jim & I to
he is not home leave note
drive to MC^{US} bet sec 14-23
on Hand. Lake

Try & work T on line bet
I M MC (US) and I A set
by Anderson of Brainerd
when they plotted

big Oak tree on line do not
want to cut it So run from
US MC to just miss Oak tree
on S side, from spike 8 of I M
chain W 285.65

at 285.65 E of I M US MC the
I M lot corner set N 0.6
@ $283.2 \pm 285.65 =$

285.65

568.85 hub

.0021004824

285.65 / .60.000

hub 568.85 E goes N 1.14 to line in line with
I M 6.

$568.85 + 300 = 868.85$

1168.2 spike hub

158 5

1324.7 hub

3000
1415
1580

260
5215
1215

63

1326.7 - hub 12 NE of E Roads

1445

14912

312

1803.35 hut

as the line hits several big Oak trees
we walk ahead and find Anderson's
I.M. 1/4 in the swamp.

Anderson claims he found the US
B.T. stumps at this corner.

I do not think he did. I could not
find anything at this time.

as we cannot put in too much
time on this we take Anderson's
line as the line.

and at 1168.2 we set a pump
pipe for W 1/4 cor between Sec. 14
& 23 - 139-29

Turn W 1/4 site E on line and
turn 90° and run South

Night

Get gets his dining room set
I put it up. Robert take my car
and take off. all my things are
in the car.

March 6, 1958

have not been able to locate Robert
on my case

March 7-1958

Jim takes his car get tape from
Highway office
drive to Hand lake

H. B. Tower W $\frac{1}{4}$ cor bet sec. 14
and 23-139-29 site E on line
Turn R. 90° and run South

at 56. cross Φ road in curve around
low spot

at 66.2 hub on S edge of road

@ 397.2 S hub

@ 947.80 S. hub on top

@ 1320 stake

@ 1362.7 hub drive iron fence post to mark
place where spike hub is

@ 1392.6 Φ main road

Tower 1392.6 set N on line NE angle
of road with line $81^\circ 30'$

NW angle $84^\circ 00'$ drive to Esther
Shepards Clerk of Ponto Lake Twp

put road in road Book. get claim blanks
drive home make out bills & mail to Shepards

J. W. Polchow	2 days =	\$ 20.00
Eng Work + exp.	3 " =	105.00
car + exp.		10
		<hr/> \$ 115.00

March 8 Officers locate my car at Deer River

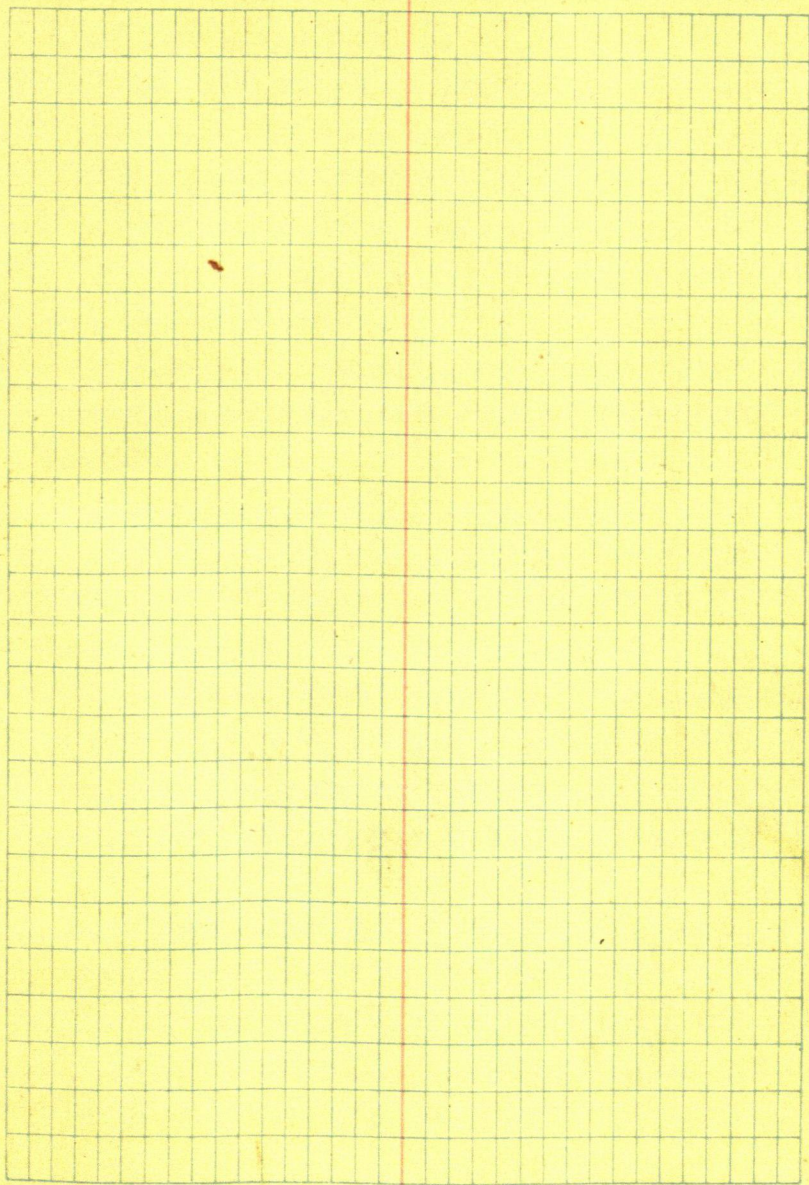
get gas for Jim car \$3.00 he takes Gent John + I to Deer River where I get my car everything in it except my 38. Colt.

get gas 4.25 + 1.50 to garage for opening car door and putting it in garage.

It seem like Robert drove to Deer River locked up my car. and took a 1957 black Ford as my car was found next to where the Ford set back of garage

Loon Lake 136-29

67



Loon Lake

I pick up Don Bethel get hot
cakes at Bills drive to Loon Lake
arrive about 10-30 Look for corners
find I.M.Wit. M.C. No. 28 ut. flag,
find two of my B.T. at S.E. cor Sec
20-136-29. Try and work T
on line from top of hill 400 ft
W of Sec. Cen.

Don finds a car axel in rid.
road close to S.E. cor Lot 3. I walk
back and give it a look not on
line I go for car. Don come and
says he has found the 2" I.M. set
for S.E. cor Lot 3 - which sets 8 ft
± N of car axel.

Tower S.E. cor Lot 3 site W on
flag at wit M.C. No. 28 and run
var. at $90^{\circ} N 7^{\circ} 55' W$ 180 ft to ap. h.
Sta 1 -

Tower Sta 1 BS S $7^{\circ} 55' E$ + run
N $45^{\circ} 49' W$ 300.7 to Sta 2.

Tower Sta 2 BS S $45^{\circ} 49' E$ run
N $12^{\circ} 25' W$.

$$\begin{array}{r} 294 \\ 270 \\ \hline 24 \end{array} \quad 370.82$$

$$\begin{array}{r} 760 \\ 387.85 \\ \hline 362.15 \end{array}$$

$$\begin{array}{r} 178.28 \\ 209.57 \\ \hline 387.85 \end{array}$$

69

Fig.

N 7°55' W 180'

Sine 137733 X 180 = 24.79 W

Cosine 990449 X 180 = 178.28 N

N 45°49' W 300.7

Sine 717113 X 300.7 = 215.64 W

Cosine 696957 X 300.7 = 209.57 N

N 12°25' W

Sine 215019 X 370.82 = 79.73 W

Cosine 976610 into 362.15 = 370.82 OK,

9766.10 into 262.15 = 268.43 OK.

215019 X 268.43 = 57.72

$$\begin{array}{r} 370.82 \\ 24 \\ \hline 346.82 \\ 268.43 \\ \hline 78.39 \end{array}$$

$$\begin{array}{r} 268.43 \\ 78.39 \\ \hline 346.82 \\ 24.79 \\ \hline 215.64 \\ 79.73 \\ \hline 320.16 \end{array}$$

From Sta run N 12°25' W @ 346.82
find a 1/2" pipe
from 346.82 chain S 12°25' E

Then 370.82 BS S 12°25' E and
run W this line will hit house on 50'
strip N of this 100' tract I am surveying

46°35'
12°25'
58°60'

go back to SE cor Lot 3 and
rerun checking angles
Break Chain

Turn Sta 2 site N 12°25' W
Sta 1 bears S 45°49' E
NE angle reads 146°35' Sta 1 to 3

Back over Sta 1 -
NW angle reads cor to Sta 2
142°07'

site S 7°55' E on cor Sta 2 bears
N 45°49' W. O.K.

Check fig as course or OK
N 7°55' W 180'

Sine 1377.33 x 180 = 24.79 W

Cosine 990469 x 180 = 178.28 N

N 45°49' W 300.7

Sine 717113 x 300.7 = 215.64 W

Cosine 696957 x 300.7 = 209.57 N

N 12°25' W 370.82

Sine 2150192 x 370.82 = 79.73 W

Cosine 976619 x 370.82 = 362.15 N

x 268.43 = 57.72 W

x 268.43 = 262.15

Loon Lake 136-29

71

^{3 6 5 2}
137733

180

11018640

137733

24791940

717113

300.7

5019791

215133900

2156358791

^{5 7 3 1}
1,979.42

370.82

395884

1584536

13855940

593826

1995661244

24

^{5 2}
990469

180

7923,7520

990469

17,8284420

^{4 6 3 4}
696957

300.7

4878699

209087100

2095749699

363.48

209.57

17828

751.33

209.57

17828

387.85

36215

750.00

387.85

26215

650.00

N 12° 25' W 346.82 = $\frac{1}{2}$ pipe Bakers

Sine 215019 x 346.82 = 74,57 W

Cosine 976610 x 346.82 = 338.71

	North	West
Sta 0 = IM	00	00
" 1	178.28	24.79
" 2	387.85	240.43
" 3	650.00	298.15
" 4	750.00	320.15

East line of Lot 3 runs $N 0^{\circ}39'W$

Sine $011344 \times 650.04 = 7.37 W$

Cosine 999936 into $650 = 650.04$ - N on line

Cosine 99936 into $750. = 750.03$

Sine $011344 \times 750.03 = 8.51 W$

Sta 3 is 650 ft N of S line and 298.15
 $- 7.37$

and 290.78 ft W of East line Lot 3
 290.78

Sta 4 is 750 ft N of S line Lot 3

and 320.15

$- 8.51$

311.64 W of East line Lot 3

Loon Lake Sec 20-136-29 73

May 10-1958 Sat.

Ed + I Lr Walker stop at Hackensack
get Gas + Oil drive to Sec 20-136-29
Loon Lake Tower spike but 650' N
and 290.78 W of S E cor Gov't lot 3
said Sec 20

Site S $12^{\circ}25'$ E on Sta 2 and run
East 290.78 set spike pt for S E cor
of S 100' of N 750 ft said lot 3
run West.

As the Owner of this 100 ft strip
is here also owner of the 50' strip N
of this tract I talk to both parties
tell owner of 50 ft strip N of this
100 ft strip that his house is over the
line too far south

run E to shore of Loon Lake
set hub over bay on neck of land
Tower but Site East and run N 51° W
 51°

Sine 777146 \times 158.9 =

Cosine 629320 into 100 = 158.90

158.9. but on N line 100' but 50' N of water

Tower 158.9 - S 51° E + run West + East
along N line 100 ft tract

A still over 158.9 pton
 seawall over bay bears $S 73^{\circ} 21' W$
 from 158.9 on N line at fer
 IM on seawall N line is W 314.5'
 chain E 34.6 to hub 2 ft \pm W of house
 drive 2 x 30" IM on seawall
 from SW cor 100' strip open water bay
 100 ft E Lot 10' N

From A.P. chain W 51.7 to IM on
 E side of Bay. W 10 ft
 from A.P. Chain E @ 299 - $\frac{1}{4}$ "
 rod on line + 67.45 = hub
 + 115.5 = hub + 140 + 3.6 = hub
 $\frac{1}{2}$ " iron rod 1 E + .05 N of hub 'rod Not
 on line + 16 = ϕ road
 + 21.3 hub 2 $\frac{1}{2}$ ' E of E wheel tract
 small iron rod .05 W of hub on line
 $\frac{1}{4}$ " pipe - 10 W of hub

Loon Lake

^{S.P.}
28.75

2034

Sec 20-136-29

75

May 11th 1958 Sunday

Don and I drive to Loon Lake Gov't
Lot 3 Sec. 20-136-29

Tower spike on N line of S 750' of said
lot 3 site S 12° 25' E on Sta 2 and run
East 311.64 set it for I M NE cor
of N 100' of S 750' strip.

T still at Sta 4 run west

Dewey Anderson

Loon Lake

R. 2 - Box 410

Mound Minn owns N 50 ft of
S 800 ft of Lot 3 Sec 20-136-29

June 29th 1958

As the description calls for
the N 100 feet of the South 720 ft
of Lot 3 Sec 20-136-29

in surveying this tract I staked
out the N 100 feet of the South 720 ft
page 67-75 this book

To day June 29th 1958 Sunday
Ed + I drive to Loon Lake to
straighten this out,

July 2 1966

Ed - Larry Hoopman & I pick up trees on
line 720 ft N of Southline Sec. 20set a pick on line 324.25 ft W of E line
lot 3. Tower pt 720 ft N + 324.25 W of
W $\frac{1}{16}$ cor. SE cor lot 3 runN $42^{\circ}22'E$ 185.9 sta. 1N $50^{\circ}04\frac{1}{2}'E$ 175.20 sta 2N $9^{\circ}54'W$ 162.65.N $4^{\circ}34'E$ 120.6S $87^{\circ}26'W$ 628.1S $89^{\circ}25'W$ 210.5S $87^{\circ}06'W$ 330.8N $35^{\circ}44'W$ 184.5

Fig on page 59

268
159.1
419.1

2669.75
8.95

Aug 15, 1966

Jim Forest + I to loon lake find NE cor
sec 20-136-29 then find SE cor sec 20
+ mark new BT as all the old ones are gone
Set hub on sec. line + ch 2669.75 N
from SE cor sec 20 + put in $\frac{1}{4}$ Cor. 50 pikes
then N 9 ft to run west up a road
T over 2678.75 sight N turn $88^{\circ}27'30''$ L
run west on 9 ft offset down road set
hub at 419.1

Aug 28, 1966

Jim + Bill Forest + I to loon lake
Tower 419.1 sit. BS. run straight ahead to
1331.4 turn $71^{\circ}32'30''$ run W 9' + set NE

Cor Gov lot 2

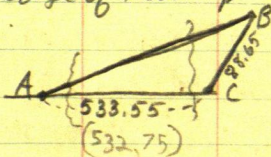
Tat 1331.4 offset 6' ^N run W to 2072.0

Tat 2072.0 offset 6' ^N run W to 2656.8

Tat 2656.8 offset 21' S to true N line of
Gov lot 2

Tat 2656.8 on true line run W to 3054.1

Tat 3054.1 run W to 3486.5 + 19.6 - 30' from
edge of swamp & triangulate across



$\angle A = 7^{\circ}57'45''$

$\angle B = 56^{\circ}21'15''$

$\angle C = 115^{\circ}41'$

see pg 160

M.B Baker Nisswa

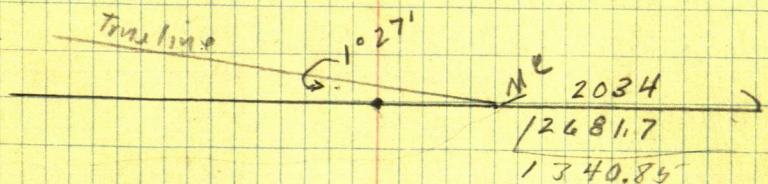
79

Loon Lake Sec 29-13629

Oct 8 1958

as I told Baker over the phone
that I would be down to day
Wed. I go to Office and check.
Notes see page 25-This Book

Old Notes



page 26 This book says we
set a wit MC at 2016.35 W

$\frac{1}{4}$ should come in Lake at 2681.77
or 647.7 W of MC and 665.35 W
of Wit M.C. or as I fig it. it should
come 665.14 ft W of my Wit. MC.

Baker's Phone No 378 Nisswa

I call Baker from Pegasus he
has gone to Loon Lake I drive
to Loon Lake Baker has just left
for around Lake I wait and as
he does not come back I drive part

way around stop and talk with
some more Baker Cornes
we go to MC.

Town MC E side of Loon Lk
N 1/4 Sec. 29, into E on flag
at E 1/4 cor. + run

S $24^{\circ} 59' E$ 191.08 Sta 1

Sine 422355 x 191.08 = ^{80.71} 80.71 E

Cosine 906431 x 191.08 = 173.22 S

run S $30^{\circ} 15' W$

173.20

Sine 503774

Cosine 863836 into 746.06 = 979.42

MC is 665.35 E of V₄.

8071
746.06

400-
13
3987

run S $30^{\circ} 12' W$ 398.7 Sta 2

Sine 503020 x 398.7 = 200.55 W

Cosine 864275 x 398.7 = 344.59 S

746.06 -

200.55

545.51

665.35

545.51

119.84

Town 398.7 run S $45^{\circ} 55' W$

Sine = 718329 into 545.51 = 759.42

Cosine = 695704 into 545.51 =

Loon Lake Sec 29 136-29

81

at $45^{\circ}55'W$ we will have to go 739.42
to get to it for $\frac{1}{4}$

run $S 45^{\circ}49' W$ 324.1

$$300 + 24.1 = 324.1 \text{ sta.}$$

$S 45^{\circ}49' W$ 324.1

$$\text{Sine } 717113 \times 324.1 = 232,42 W$$

$$\text{Cosine } 696957 \times 324.1 = 225,88 S$$

$200^{\circ}53' W$ Sta 2

Sta 1 is 746,06 E

23242 W L 3

43297

313.09 to go

4329.7

$S 38^{\circ}13' W$

202.5

Sta

$$\text{Sine } 618637 \times 202.5 = 125,27 W \text{ Sta}$$

$$\text{Cosine } 785677 \times 202.5 = 159,10 S$$

432.97

74606

12527

55824

558.24 west

187.82 W to go

$$S 61^{\circ}30' W \text{ Tangent } 879817 = 213.72$$

82

130
28.9

MV Baker Loon Lake

127
37Oct 18th 1958

Ed & I to Loon Lake

Tower 60' spike set by M. Baker
and I Oct 8th 1958 at a ptSouth of $\frac{1}{4}$ Cor which is in
the lake BSN $61^{\circ}30'E$ & run South

at 127.34 spike but Sta 1 @ 100' to road

Tower Sta 1 BSN and run

S $70^{\circ}15'W$ 177.1 Sta 2Tower Sta 2 BSN $70^{\circ}15'E$ runalong old road. S $20^{\circ}50'W$ 158.9 Sta 3Tower Sta 3 BSN $20^{\circ}50'E$ run ^{@ 23' E road.}S $2^{\circ}26'W$ 88.05 Sta 4Tower Sta 4 BSN $2^{\circ}26'E$ runS $21^{\circ}37'E$ 118.75 Sta 54 PM we load up and start
for home.

Loon Lake Sec 29-136-29⁸³

Oct 27th 1958

I look for Dan Beffa who wants to
work but can't find it

EST FOR PT OF

GL 3 - 29 - 136 - 29

1500

7-17-83

need or call me
into court so will go to Loon Lake

Loon Lake Sec 29-136-29⁸³

Oct 27th 1958

I look for Dan Bethal who wants to work but can not find him

I talk to Billie who says he will go

Oct 28

Billie comes to the Office but I have to wait as I am a witness in court. as I did not get called and am all day in office

Oct 29-1958

M.V. Baker calls I tell him I will be down to-day

I get a call I have to go to court go to office at 9-15 - The Lawyer is waiting wants a easement line put on plat. Billie is at office Lawyer says he will call me as soon as he can this morning I wait

They did not need or call me into court so will go to Loon Lake

84

189.8

149.8

299.8

183.8

116.2

Oct 29 1958. Continued

As I was held in court house
until too late to drive to Loon
Lake I go to Stoney Lake &
finish my Job there

Oct 30 1958

Ed stays home from school
to help me. I have asked Jim
to help so Ed, Jim & I & L
Walker drive to Pequot get
breakfast - \$2.10 Drive on to
Loon Lake arrive at 10-15
Tower Sta 5

BS N 21° 37' W + run

S 22° 55' W 291.9 Sta 6

Tower 6 BS N 22° 53' E run

S 7° 38' W 147.8 Sta 7

Tower Sta 7 BS N 7° 38' E

S 1° 57' W 186.9 Sta 8

Tower Sta 8 BS N 1° 57' E run

S 13° 11' W 210.6 - 2 = 208.6 Sta 9

Tower Sta 9 BS N 13° 11' E run

S 7° 26' W 196.2 Sta 10

Tower Sta 10 BS N 7° 26' E run

S 11° 37' W 212.2 To Sta 11

1038 Lake Sec 29-136-29

85-

Tower Sta 11 BSN $11^{\circ}37'E$ run
 $S 6^{\circ}26'E$ 140.5 to Sta 12

Tower Sta 12 BSN $6^{\circ}26'W$ run
 $S 8^{\circ}29'W$ 112.4 to Sta 13

Tower Sta 13 BSN $8^{\circ}29'E$ run
 $S 15^{\circ}58'E$ 224.1 to Sta 14

Tower Sta 14 BSN $15^{\circ}58'W$ run

Go to Request for Lunch \$3.00
P.M.

Still over Sta 14 BSN $15^{\circ}58'W$ run
 $S 3^{\circ}55'W$ 216.2 to Sta 15

Tower Sta 15 BSN $3^{\circ}55'E$ & run
continue $S 3^{\circ}55'W$ 169.0 to Sta
16

Tower 16 BSN $3^{\circ}55'E$ run.
 $S 4^{\circ}46'E$ 160.7 to Sta 17

Tower 17 BSN $4^{\circ}46'W$ & run
 $S 7^{\circ}29'W$ 112.85 to Sta 18

Tower 18 BSN $7^{\circ}29'E$ run at 62.4 ^{also}
 $S. 8^{\circ}37'E$ 245.1 to Sta 19 ^{unusually}

Tower Sta 19 BSN $8^{\circ}37'W$ run
continue $S 8^{\circ}37'E$ 165.2 to Sta 20

Tower Sta 20 BSN $8^{\circ}37'W$ run
 $S 15^{\circ}05'W$ 494.00 to Sta 21

Tower Sta 21 BSN $15^{\circ}05'E$ & run
Lv at 5:30

86

2638
2222
4860

636

Oct 31 - 1958

Ed goes back to school

Jim + Billie + I to Loon Lake
arrive at 10-AM.Tower Sta 21 BSN $15^{\circ}05'E$
+ runS $6^{\circ}46'W$ 229.2 Sta 22Tower Sta 22 BSN $6^{\circ}46'E$ + runS $37^{\circ}25'E$ 339.3 Sta 23Tower Sta 23 BSN $37^{\circ}25'W$ + runS $89^{\circ}03'E$ 175.2 to I.M. $\frac{1}{4}$ cor

S side Sec. 29-

Still at Sta 23 + run S line

Sec. 29 N $89^{\circ}03'W$ 263.8 hubTower 263.8 continue N $89^{\circ}03'W$

along Randers South line Sec.

29-

263.8 hub + 222.2 - 486.0 hub
+ 333.75 hub to 264.5 = hub =

486.0 hub. Go to Dinner 2.65-

333.75 - hub

819.75 - hub

264.5 -

1084.25 - hub

+ 262.9

1347.15 hub

456.45

1803.60

1803.6 hub +

377.4

2181.0 hub +

2.23

2404

²⁶⁹⁸ 380.4
Loom Loke.

²³⁰ 225
Sec 29-136-29

87

2579.2

Tower hub 2404 BS S 89°03' E
on run N 72°46' W 71.60 to IM
N 72.46 W 71.6

Sine 955106 x 71.6 = 68.39 W

Cosine 296264 x 71.6 = 21.21 N

from $\frac{1}{4}$ S side Sec 29 run West
N 89°03' W at 2647.59 W to
IM. Sec. cor sets North 21.21 ft

Correction for West $\frac{1}{2}$ of S line

Sec 29

.008011059 = 0°28'

2647.59 / 2121

hub 175.2 W goes N 1.40

" 439.00 " " 3.52

" 661.20 " " 5.30

" 994.95 W " " 7.95

" 1259.45 W " N 10.09 E

" 1522.35 W " N 12.20 L

" 1978.80 W " N 15.85 L

" 2356.20 W " N 18.88 L

" 2579.2 W " N 20.65 L

2647.59 W " N 21.21 to Sec. cor

1323.79 W " N 10.60 to E $\frac{1}{4}$ S side Sec. 29

1323.79
1259.45
64.94

Sat Nov 1. 1958

Figuring

from W. of MC S side Loon lake

See page 80 this book

No 1 is 80.70 E + 173.20 S

" 2 " 119.85 W +

Sta 3 " 352.27 W +

" 4 " 477.54 W +

" 5 " 665.36 W + 1004.75 South

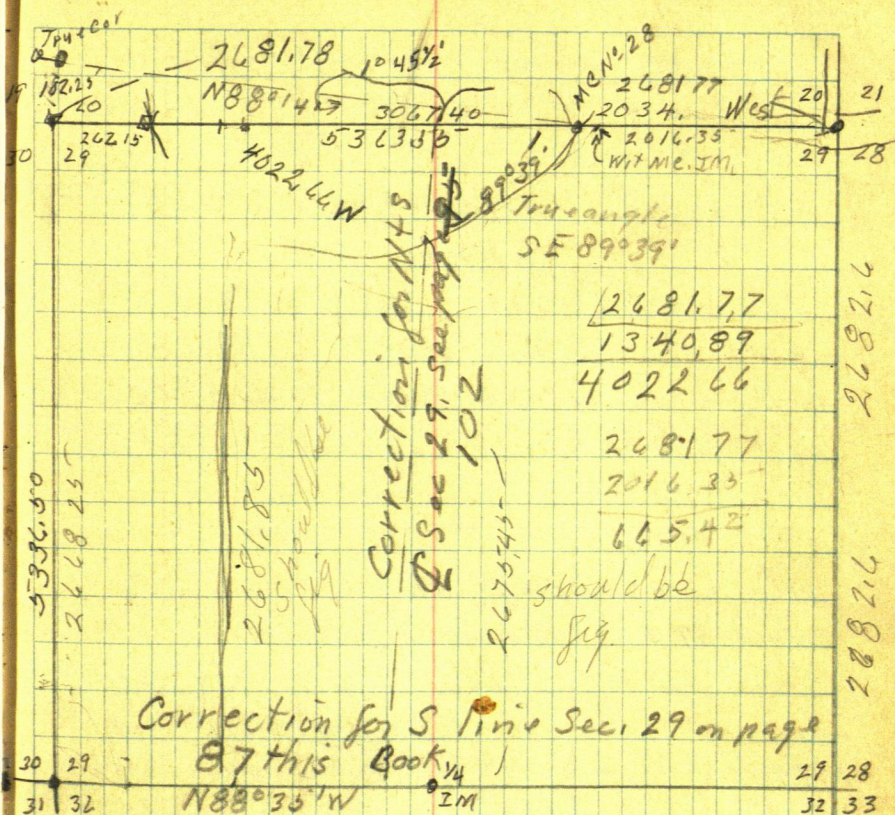
Should be 665.14 W

.22 to for West

Spk. by Cabin is 1021.14 S of line
and .22 W see pg. 82

run, South 127.34

Spk. S of road is 1148.48 S + .22 W
run



Correction for S. Lino Sec. 29 on page
87 this Book $\frac{1}{4}$

87 this Book $\frac{1}{4}$

N 88° 35' W

 $\frac{1}{4}$
IM

Record Book A pgs 573 - this sketch
is taken from said Record book + some of
my work distance along N side of Sec. 29
and W side of Sec. 29

old Notes say from Cor to Sec 20-21-28-29
136-29 run West Thru MC No 28 and
continue West at 5363.55 sec. cor sets North
102.25 ft

5363.55 - distance from cor to cor

2034 " from ~~SE~~ cor to ME

3329.55 " " MCN^o 28 to NW cor

as random line come out 102.25 ft Sec/Sec Cor

$\angle 0.3070985 = 1^{\circ}46'$

3329.55 - 102.25 =

as the section line turns $1^{\circ}46'N$ from MCN^o 28 to NW cor of sec the $\frac{1}{4}$ cor should be 647.77 W West of True ME and 665.4 W of Wit MCN^o 28 647.77 W

W $1^{\circ}46'N$ 647.77

Sine $0.30829 \times 648.08 = 19.98 N$

Cosine 999525 into 647.77 = 648.08 W

from Wit. MCN^o 28 the $\frac{1}{4}$ cor N side sec 29 in Loon Lake should set West 665.5 and N 19.98 ft.

1980 this book from Wit. MCN^o 28 we run tralis

S $24^{\circ}59'E$ 191.08 = Stk 1

Sine $422355 \times 191.08 = 80.70 E$

Cosine $906431 \times 191.08 = 173.2 S$

Stk 1 is $1935.65 W + 173.2 S$

S $90^{\circ}12'W$ 398.7

Sine $503020 \times 398.7 = 200.55 W$

Cosine $864275 \times 398.7 = 344.59 S$

Stk 2.15 $2136.20 W + 517.79 S$

S 45° 49' W 324.1

$$\text{Sine } 717113 \times 324.1 = 232.42 \text{ W}$$

$$\text{Cosine } 696957 \times 324.1 = 225.88 \text{ S}$$

Sta 315. 2348.62 W + 743.67 S

S 38° 13' W 202.5

$$\text{Sine } 618637 \times 202.5 = 125.27 \text{ W}$$

$$\text{Cosine } 785677 \times 202.5 = 159.10 \text{ S}$$

$$\text{Sta 415} = 2493.89 \text{ W} + 902.77 \text{ S}$$

S 46° 30' W 213.72

$$\text{Sine } 878817 \times 213.72 = 187.82 \text{ W}$$

$$\text{Cosine } 477159 \times 213.72 = 101.98 \text{ N}$$

$$\text{Sta 515 } 2681.71 \text{ W} = .07 \text{ to far E}$$

Sta 515 is 1804.75 S and .06 E of Line South of 1/4 in Lake

From point 1024.73 S + .04 E of 1/4 in Lake run

South 127.34 sta over road, run

S 70° 15' W 177.1

$$\text{Sine } 941176 \times 177.1 = 166.68 \text{ W}$$

$$\text{Cosine } 837917 \times 177.1 = 59.85 \text{ S}$$

S 20° 50' W 158.9

$$\text{Sine } 355651 \times 158.9 = 56.57 \text{ W}$$

$$\text{Cosine } 934619 \times 158.9 = 148.51 \text{ S}$$

S 2°26' W 88.05

Sine 042457 x 88.05 = 3.74 W

Cosine 999098 x 88.05 = 87.97 S

S 21°37' E 118.5

Sine 368395 x 118.75 = 43.75 E

Cosine 929669 x 118.75 = 110.40 S

S 22°55' W 291.9

Sine 389392 x 291.9 = 113.64 W

Cosine 921072 x 291.9 = 268.86 S

S 7°38' W 147.8

Sine 132833 x 147.8 = 196.3 W

Cosine 991138 x 147.8 = 146.49 S

S 1°57' W 186.9

Sine 034027 x 186.9 = 6.36 W

Cosine 999421 x 186.9 = 186.79 S

S 13°11' W 210.6

Sine 228068 x 208.6 = 47.57 W

Cosine 973645 x 208.6 = 203.19 S

S 7°26' W 196.2

Sine 129373 x 196.2 = 25.38 W

Cosine 991596 x 196.2 = 194.55 S

$S 11^{\circ} 37' W \ 212.2$

$$\sin \alpha \ 201363 \times 212.2 = 42.73 \ W$$

$$\cos \alpha \ 979517 \times 212.2 = 207.85 \ S$$

$S 6^{\circ} 26' E \ 140.5$

$$\sin \alpha \ 112047 \times 140.5 = 15.74 \ E$$

$$\cos \alpha \ 993703 \times 140.5 = 139.62 \ S \quad L$$

$S 8^{\circ} 29' W \ 112.4$

$$\sin \alpha \ 147522 \times 112.4 = 14.58 \ W$$

$$\cos \alpha \ 989059 \times 112.4 = 111.17 \ S$$

$S 15^{\circ} 58' E \ 224.1$

$$\sin \alpha \ 275078 \times 224.1 = 61.64 \ E$$

$$\cos \alpha \ 961422 \times 224.1 = 213.74 \ S$$

$$S 3^{\circ} 55' W \ 216.2 + 169.0 = 385.2$$

$$\sin \alpha \ 068306 \times 385.2 = 26.31 \ W$$

$$\cos \alpha \ 997664 \times 385.2 = 384.3 \ S$$

$S 4^{\circ} 46' E \ 160.7$

$$\sin \alpha \ 083098 \times 160.7 = 13.35 \ E$$

$$\cos \alpha \ 996541 \times 160.7 = 160.14 \ S$$

S 7° 29' W 112.85

Sine 130238 Y 112.85 = 14.70 W

Cosine 991483 X 112.85 = 111.89 S

S 8° 37' E 24571 + 16572 = 410.30

Sine 149823 Y 410.3 = 61.47 E

Cosine 988713 X 410.3 = 406.67 S

S 15° 05' W 494.00

Sine 260224 X 494.00 = 128.53 W

Cosine 966348 X 494 = 476.98 S

S 6° 46' W 229.2

Sine 117826 X 229.2 = 27.01 W

Cosine 993034 X 229.2 = 227.60 S

S 37° 25' E 339.3

Sine 607607 Y 339.3 = 206.16 E

Cosine 794238 X 339.3 = 269.48 S

S 89° 03' E 175.2 to IMH

Sine 999863 X 175.2 = 175.18 E

Cosine 016580 Y 175.2 = 2.90 S

5271.64 South & 118.12 W OK

hub. spike N of road near cabin is
106 E + 800.79 S of $\frac{1}{4}$

from point in loon lake for $\frac{1}{4}$ cor
run South 5047.70 ft. $\frac{1}{4}$ cor sets E 118.12

$$102340075 = 0.21'$$

$$5047.70 \sqrt{11812.00}$$

hub near cabin is

$$800.79 \sqrt{5} + \text{pods E } 18.74 \text{ to N + S E}$$

hub S of road is

$$+ 0.5 W \\ 18.69 E$$

$$928.13 \text{ S of } \frac{1}{4} + \text{pods E } 21.72 \text{ to N + S E}$$

$$+ 0.5 W \\ 21.67 E$$

See page 102

$$99003$$

$$28$$

$$893'$$

Fig South Line

$$N 89^{\circ}03' W \text{ goes } N 0^{\circ}28' =$$

using the E portion of the N line
of sec. 29 from NE cor to MCN-28
as E + W the S line of sec. 29 runs
N 88^{\circ}35' W

$$\text{Sine } 0.24723 \times 2648.4 = 65.48$$

$$\text{Cosine } 999694 \div 2647.59 = 2648.4$$

130.6
~~-8~~
 122.4

Nov 17th 1958

Ste south of road on random
 N+S & Sec. 29 is

2681.71 W and 1152.07 S of Sec line
 in lake

Billie & I Lu Walker the son is
 shining drive to Peguete lakes
 eat dinner \$2.00 come out to
 car and find it is raining again
 drive on to Loon Lake sit in car
 an hour or more it keeps raining
 hard so we drive back to Walker

Nov. 18, 1958

I go to office for a while Billie does
 not show up go to Rainbow cny
 Billie and Jim has not come in
 drive home get Bert we start
 for Loon Lake she has her day off
 and says she will help me

We meet Billie on his way to
 our place pick him up and
 take him along as it is cold
 and I do not think Bert would
 help much

289.35-
304.35-
693

Nov 18 1950

Tower Sta 4 on Travis around
South of Leon Lake, BSN $38^{\circ}13'E$
on Sta 3 Sta 5 bears $561^{\circ}30'W$

Tower Sta 2 on NTS & Travis
BSN $70^{\circ}15'E$ on Mal + run
Westerly along road viz
 $558^{\circ}16'W$ 722.6 Sta
722.9

Tower Sta BSN $58^{\circ}16'E$
run N $67^{\circ}15'W$ 693.35-
591.20
in road

Tower BSN $567^{\circ}15'E$ run
N $11^{\circ}54'E$ 97.6 to Barker IM

$558^{\circ}16'W$ 722.6 $722.9 = 614.83$
Sine $850505 \times 722.6 = 614.57W$
Cosine $525967 \times 722.6 = 380.06S$
 $722.9 = 38022.5$

N $67^{\circ}15'W$ 693.35-
Sine $922201 \times 693.35 = 545.21W$
Cosine $386711 \times 693.35 = 268.13N$
 $591.2 = 228.62N$

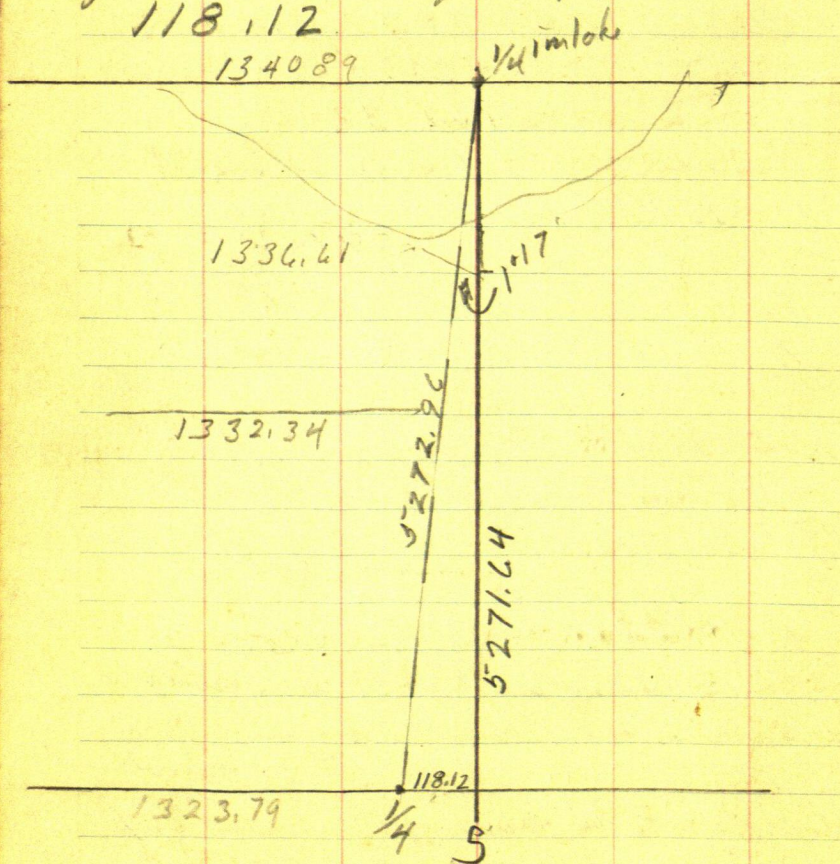
N $11^{\circ}54'E$ 97.6

Sine $206204 \times 97.6 = 20.13E$
Cosine $978509 \times 97.6 = 95.50N$

Nov. 19th 1958

checking fig.

I M at $\frac{1}{4}$ S side Sec 29
 is 5271.64 ft S of pt for $\frac{1}{4}$
 on N side Sec 29 in Lake
 and into W of a line South
 from said pt for $\frac{1}{4}$ in lake
 118.12



$$118.12 \div 5271.64 = .02240669 = 1/17'$$

$$\sin \times 0.22397 \times 5272.96 = 118.10$$

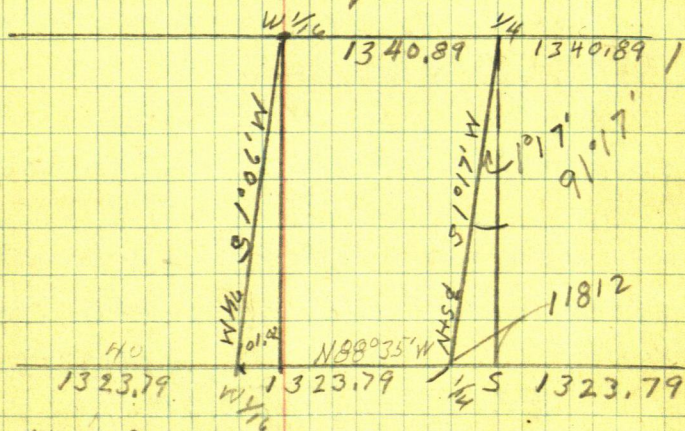
$$\cosine \ 999749 \ into \ 5271.64 = 5272.96$$

$$\text{Tang. } 0.22402 \times 5271.64 = 118.10$$

Spike hub set by I + Mr Baker Sta 5th
near cabin is 1024.73 S and goes W

Correction = 0.2240669 W for each ft S
Hub 1024.73 S goes W 22.96

" Soft road is S 115.207 & goes W 25.81 W



as N line from ME 28 W runs N 88°14' W
& the S line runs N 88°35' W using the
East portion of the N line as E & W

The line widens out 0'21" as they go west
from 1/4 to 1/4 the distance is 5271.64 South
in going west 1323.79 ft the distance should be
over

$0^{\circ}21'$
 $\text{Sine } 006109 \times 1323.79 = 8.09$
 $\text{Cosine } 999981 \times$
 $5271.64 + 8.09 = 5279.73$

hub 4102.37 W is

 4022.66
 79.71 to far West

from hub 4102.37 W run E 79.71
to pt on line South of W $\frac{1}{16}$ corner lake
and would be $1303.87 + 61.31 = 1365.18$
South of $\frac{1}{16}$ in Lake

distance from W $\frac{1}{16}$ intake to W $\frac{1}{16}$
side sec 29 N + S should be 5279.73
ft

as a line run South from W $\frac{1}{16}$ intake
would hit out 101.02 ft E of W $\frac{1}{16}$ on Side
sec. 29

 $5279.73 / 101.02, 00$
 $0.1913355 = 1^{\circ}06'$

'Set hub 4102.37. west to line S of $\frac{1}{16}$
then this hub would be 1365.18 South
of $\frac{1}{16}$ in Lake and should go West 26.12
to W $\frac{1}{16}$

IM set by Baker goes E 39.58 to line
S of $\frac{1}{16}$ should be 1269.68 S of W $\frac{1}{16}$ in Lake
and goes West 24.29 to line

What I should do

Tower IM set by M.V. Baker site
 $S 110^{\circ} 54' W$ on spike in road and
 run East 59.58 then W 24.29 to
 line $\frac{24.29}{}$
 or East 35.29 to line

Tower spike in road site $S 67^{\circ} 15' E$
 on spike near mail box and run
 East 79.71 to pt S of W $\frac{1}{16}$ then
 West $\frac{26.12}{}$
 to 53.59 E of sta 4102.37 W
 to W $\frac{1}{16}$ line

Tower 35.29 E of IM site S
 on hub 53.59 E of spike in road
 and run N + S $\frac{1}{16}$ line

Correction for N+S £

pg. 99. 02240669

apik by cabin Sta 5 set by MV Baker
& I is 1024.735
to do.

Tover said apik site S 61°30'E
and run West 22.96 ft set pt on
N+S £

Tover apik 127.34 S being apik
S of road site North and run
West 25.81, set pt on N+S £

Nov 20. 1958

Billie does not show up I drive
to Y get Gas + oil drive out to
Carl's place where Jim + Billie stay
pick up Billie drive to Moon Lake
Tore spike but see page 101
Correct hub move North to I.M.
set by M.V. Baker correct this
point.

Now correct point I.M.
site son corrected hub and set
spike at south edge of road R of W clearing
also at N edge of N right of way
set 60° spike North on top of bank
and a 60° spike about 13 ft N
as we put a 14" J.P. tree this
spike is about 4 ft South of rail track.

cause spike had to be set in
road

Now spike in road N edge
site N + ran S $64^{\circ}07'E$ 300' in + 139.2
439

Now 439 BS N $64^{\circ}07'W$ ran
N $80^{\circ}06'E$ 182.45

Now 182.45 BS S $80^{\circ}06'W$
ran N $42^{\circ}07'E$ 131

Tong 131 BS S $42^{\circ}07'W$ run
N $10^{\circ}25'W$ 105.6

Traver 105.6 BS S $10^{\circ}25'E$
run to T.M.

N $67^{\circ}18'W$ 85.75

N $21^{\circ}41'E$ 52.50

N $56^{\circ}26'E$ 151.7

5 hours

Figuring from spot in Noddy Road
run

S $64^{\circ}07'E$ 439.00 ft

Sine $899685 \times 439.00 = 394.96 E$

Cosine $436540 \times 439.00 = 191.64 S$
from West line (East 394.96)

N $80^{\circ}06'E$ 182.45

Sine $985109 \times 182.45 = 179.73 E$

Cosine $171929 \times 182.45 = 31.37 N$
from West line (574.69 East)

N $42^{\circ}07'E$ 131

Sine $670642 \times 131 = 87.85 E$

Cosine $741781 \times 131 = 97.17 N$

from West line (East 662.54)
(hub in driveway by Gate post)

T 11-1
N $10^{\circ}25'W$ 105.6 to IM

$$\text{Sine } 180805 \times 105.6 = 1909 W$$

$$\text{Cosine } 983519 \times 105.6 = 103.86 N$$

(from West line East 643.45) near stone
by cabin

T over 105.6 IM bears

N $67^{\circ}18'W$ 85.75 to IM

$$\text{Sine } 922538 \times 85.75 = 79.11 W$$

$$\text{Cosine } 385906 \times 85.75 = 33.09 N$$

(from West line East 564.34)

T still at 105.6 run IM bears

N $21^{\circ}41'E$ 52.5 to IM

$$\text{Sine } 349476 \times 52.5 = 19.40 E$$

$$\text{Cosine } 929240 \times 52.5 = 48.79 N$$

from West line East 662.85

T still at 105.6

N $56^{\circ}26'E$ 151.7 to IM

$$\text{Sine } 833243 \times 151.7 = 126.40 E$$

$$\text{Cosine } 552907 \times 151.7 = 83.88 N$$

from West line East 769.85

$$\begin{array}{r} 64910 \\ 6285 \\ \hline 215 \end{array}$$

Nov 21st 1958

snowed last night Billie walds
in we drive to Loon lake arrive 11-30
Tower I M set by M.V. Baker to
mark the 600 ft strip as this
I M is only 564.34' E of west
line $\begin{array}{r} .66 \\ 600 \end{array}$

Tower I M B S 567° 18' E and
run South parallel to W line
set 60° spike 565 ft E of W line
Tower 565 run South set 60° spike
on top about 1½ ft E of wood stake
set by M.V. Baker

Tower Next I M E should be 100 ft
but is at a point 662.85
This I M should go E $\begin{array}{r} 2.15 \\ \hline \end{array}$
to 665.00

Tower I M B S S 21° 41' W + run E $\begin{array}{r} 2.15 \\ \hline \end{array}$
at 60° spike E 18° 08' N at 226 ft
for I M sine 311229

cosine 950335 into 2.15 = 226 - 215 W

950335 into 102.15 = 107.49 = 102.15 W
pt for I M 765

950335 in 150 = 158

N 66° E

Turn pt for IM NW cor Tract
 No 4 as there is a tree on lot line
 we can not mark line bet Lots 3-4
 T still over NW cor Tract 4 run
 N 66° E

Sine 406737

Cosine 913545 into 100 = 109.46

Treecor line bet Tracts 4-5
 run N 62° E

Sine 449472

Cosine 882948 into 100 = 113.26

Turn 113.26 cor to lots 5+6

IM set by Baker bet lot 4+5
 bears S 63° 15' W 101 ft

T still at pt for IM bet 5+6

IM set by Baker bears

N 50° 14' E 131.75 ft

bet 5+6 we set spike S of road

T still bet 5+6 at 60 ft spike
 wood stake bet lots 6+7 bears
 N 58° 16' E 152.5

159.5
7

182.85

109

We go correct N + S &

See page 102

A back stake bet Tracts 6-7

• B S S 58° 16' W spike on seawall
on N + S & bears N 55° 48' E 181.15'

Lr at 3 o'clock = 3½ hr

Nov. 21 1958

figuring

Went spike 565 ft E of W line

" " " 665 " " " " "

W " " 765 " E " W "

W " " 865 " " " W "

" " " 965 " " " W "

Tower 965 IM sets S 63° 15' W 101'
sine
cosineA still at 965 IM sets N 50° 14' E
13.75'
sine
cosineA still at 965 angle Iron + wood stake at
N 58° 16' E 152.5 ftSine $525967 \times 152.5 =$ Cosine $850505 \times 152.5 = 129.70$

Tree wood stake & angle iron
spike on seawall on E line
Gov't Lot 2 bears $S55^{\circ}48'E 181.15'$
Sine $562083 \times 181.15' =$
Cosine $827081 \times 181.15' = 149.83$

As the figures do not
check out I will have to
check this tomorrow

584.534
13.1484
181.15

138.16
13.22
152.1

1113
11.13
122.0

108.46
10.846
119.306

100
10.0
110.0

565
5.65

1

2

596
5

520

1

526

3

525

1 2

1

600
8,8
912

Nov 22nd 1958

Hert & I to Bannidji pay to loan
get John 22 rifle get my chainsaw
stop at Cross Lake get grub.
home get dinner

Ed & I to Walker stop at & get gas
on to Look Lake.

W 1/2 line from correct hub at
Broken I M chain N to lake

from correct hub
chain S

Tower hub in driveway 662.54 E

BS S 42° 07' W run

N 61° 09' E 667.4

Side 875.884 x 667.4 = 584.67

Cosine 482263

We find a mistake of about 100 ft
in chaining on page 97 this book

166.68 W

614.83 W

545.21 W

1326.72 W

2601.71

4008.43 W

$\begin{array}{r} 1340.89 \\ \text{Spk in road is } 1326.72 \text{ W} \\ \text{guess } 14.17 \text{ W to pt S of} \\ \text{W } 1/4 \text{ in lake } \frac{26.12}{40.29} \text{ W to pt on W } 1/4 \text{ line} \end{array}$

Tower 40.29 s. E spk on random
 bears site N 1006°E sta bears
 $S 26^{\circ} 09' \text{E } 96.05 \text{ ft}$
 run $S 1006^{\circ} \text{W}$ on W $1/4$ line

fig. from point on random N & S \pm
 $1004.75 \text{ ft S of N line extended W from}$
 Sec. cor through MCN $^{\circ} 28$

$1004.75 \text{ S } 2681.71 \text{ W}$

$S 70^{\circ} 15' \text{W } 177.1$

$\text{Sine } 941176 \times 177.1 = 166.68 \text{ W} = 2848.39 \text{ W}$

$\text{Cosine } 337917 \times 177.1 = 59.85 \text{ S} = 1064.60 \text{ S}$

$S 58^{\circ} 16' \text{W } 722.9$

$\text{Sine } 850505 \times 722.9 = 614.83 \text{ W} = 3463.22 \text{ W}$

$\text{Cosine } 525967 \times 722.9 = 380.22 \text{ S} = 1444.82 \text{ S}$

$N. 67^{\circ} 15' \text{W } 591.20$

$\text{Sine } 922201 \times 591.20 = 545.21 \text{ W} = 4008.43 \text{ W}$

$\text{Cosine } 386711 \times 591.20 = 228.62 \text{ N} = 1216.20 \text{ S}$

$4008.43 \text{ W } \& 1216.20 \text{ S of N line extended}$
 W $1/4$ cor is $4022.66 \text{ W of Sec. cor.}$

4008.43

14.23 should go W to line S of cor

Nov 24th 1958 (Monday)
 yesterday Baker called he will
 be up Friday after Thanksgiving
 yesterday (Sunday) cold I
 stay home.

Today Billie does not come
 to Walker I stop in and asked
 Carl he said Jim & Billie said
 they would not be in until this
 afternoon I get gas and
 drive out find Billie eating Jim
 ironing shirts Jim has to go get
 some parts.

Billie + I drive to Loom Lake
 arrive at Noon 12 o'clock
 Continue cutting N $1/4$ line
 South 1° 06' West qt at 5 o'clock

Nov. 25th 1958

Billie does not show up as it is snowing and raining can't tell which I drive to the Y and get Gas figure it is too wet to cut line

checking figures at office
The courses of the N+5 & check
S 1°17' W the W 1/4 line check
S 1°06' W.

see page 113

14.23 W of sta 9 60 ft spike in road.
at this point this hub is 1277.5' S of pt for
W 1/4 Naid, Sec. 29 in lake

S 1°06' W 1277.5' =

Sine 019197 X 1277.5' = 24.52 W

Cosine 999816 X 1277.5' = 1277.26 S

14.23 W of sta 9 in road

+ 24.52 W to where line should cross road

38.75' as we set our spike 40.29 W

- 38.75'

this hub is 1.54 ft for West, 1.54

from this hub run S 1°26' W on
random W 1/4 line so according to
my figures this W 1/4 random line should
go E 1.54 ft

from hut on random 1,34 too far W
run $S 26^{\circ} 09' E$ 96.05

$$\sin = 440723 \times 96.05 = 42.33 \text{ S}$$

$$\cos = 897443 \times 96.05 = 86.22 \text{ N}$$

Hut 96.05 is 564.34 W of IM at NE cor
of the W 600 foot strip + 42.33 =

564.34

606.67

¹⁰⁰
26° 09'
S 29° 13' E

$$\sin = 457874 \times 96.05 = 43.98$$

$$\cos = 889017 \times 96.05 = 85.39$$

W 1/4

Cor cuts $6^{\circ} 49' 1''$ in E ^{SE} 39.3

Figuring all over from M.C.

from M.C.	No 28	S & W	around Loon	Lake from M.C. 29			
Courses	distance	Sine	Cosine	North	South	East	West
West	2016.35						2016.35
S 24° 59' E	191.08	4223.55	906431		173.20	80.70	
S 30° 12' W	398.7	503020	864275		344.59		200.65
S 45° 49' W	324.1	717113	696957		225.88		232.42
S 38° 15' W	202.6	785677	618637		159.10		125.27
S 61° 30' W	213.72	878817	477159		101.98		187.82
South	127.34	To line	S of pt in Lake		127.34		2681.71
S 70° 15' W	177.1	941176	337917		1132.09		166.68
S 58° 14' W	722.9	850505	525967		380.02		614.83
N 67° 15' W	571.2	922201	386711	228.62			545.21
West	14.17	To line	S of pt for W.K.		1271.33		14.17
							4022.60
Course of W 1/2 line is	51006' W	correct = for			1271.33	5224.32 W	
My spike on S edge of road on random W 1/2 line running							
South figures	0.74 ft	a foot	to for West				Will see how our
Line comes out	where we tie into W.K. ear on South line of sec. 29						

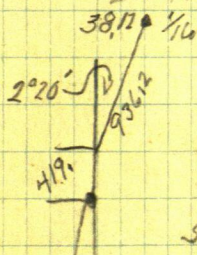
Nov 28th 1958

Billie, Ed + I drive to Pequot
Lake get dinner ^{\$3} cash Boker's
check for \$200 - drive to Loon
Lake arrive about 1-30 continue
W $\frac{1}{4}$ line random line
South cold. 8° above at Fargo
N.D.

Billie get in 3 mi
we finish cutting and hubbing
this random W $\frac{1}{4}$ line
set spike close to S line of Sec 29
we correct the south line at W $\frac{1}{4}$
cor. and drive a 60' spike in
E & W pt. road or trail with short
stake to show its location
from hub on random W $\frac{1}{4}$ line
the W $\frac{1}{4}$ cor just set
bearing 1 on E $6^{\circ}49'$, 39.3 ft
Sine $1186.93 \times 39.3 = 4.66$ E
Cosine $992931 \times 39.3 = 39.02$ S

Nov 30 - 1958

Edt I to Loon Lake Tower
 Wit MC 28 BS E on flag at
 1/4 cor + run on ice at
 665.42 ut pt on ice for Temp
 1/4 + 1340.89 ut pt on ice Temp
 W 1/16 cor. N side sec. 29-136-29
 from hut S of road we
 extend our W 1/16 line N
 hat on land stick at W 1/16
 bears E 2°20' @ 70' edge of land
 into ice @ 936.2 Temp 1/16
 120 + 299.5 hut @ - 15' & road



$$\begin{array}{r} 299. \\ 120. \\ \hline 419 \end{array}$$

$$\begin{aligned} 2020' \\ \sin 4040713 \times 936.2 &= 38.2 \\ \cos 999171 \times 936.2 &= 935.42 \end{aligned}$$

$$\begin{array}{r} 382 \\ 464 \\ \hline 7352 \end{array}$$



290.7
223.8225
232177
23
2200Dec 1st 1968

4.66

936.42

382

33.54

3820

466

33.54

419

from hub 39.02 N of the
on S line sec. 29 chan N
@ 223.8 hub + 628.5 hub
+ 424.75 hub on road or what
we have been calling
fence line Temp S 1/4 line
+ 517.7 hub + 393 hub
+ 600.4 hub + 390.7 hub
+ 392.1 hub + ~~7.7~~ + 248.70

Hub

39.02 N

38.2

223.8

262.82

628.5

891.32

424.75 (by fence line) 1316.07

517.7

1833.77

393

2226.77

600.4

2827.17

390.7

3217.87

392.1

3609.97 N goes E 23.23 + 466 = 27.89

248.7

3838.67 N goes E 24.83 + 466 = 29.49

419

4277.67 N goes E 27.52 + 466 = 32.18

5213.09 N goes E 33.54 + 4.66 = 38.20

figuring see page 122

39.02

414

Monday Dec 1st 1958

Billie & I. I drive out and
meet Billie on this way in
drive to Loon Lake arrive 11-30
we stayed in mequots lakes for lunch
\$1.45

Tower spike on Randon N+5 & corrected
site son corrected back pt for Kp
Need Dec 29-134-79 on ice
beats R 9 E 1° 55'

from pt on ice chain south

995 bank @ 1018,35 to kub and to K₁

3902

2238

262.82

228.5

891 32

424 75

1316 07

517 77

193 37

393 77

2226

2260

145
135
1
1019.0
1009.1
3800.8
3772

189.5

5213.09 Ngols E 33.54 + 4.66 ^{0.22}

$$5213.09 \quad \underline{.006433804} + 4.66$$

$$5213.09 \quad \underline{.33541000}$$

We correct hrb 3858.67

Tower corrected hrb in the road
site N on corrected hrb

+ run Var at 00 S 65° 12' E 506.1

Tower 506.1 run N 80° 04' E 182.5

Tower 182.5 run N 42° 05' E 131.0

run N 10° 28' W 105.6

IM 3 etc run N 67° 20' W 83.75

11 11 11 N 21° 40' E 52.50

N 56 24 E 141.7

459.43 E

639.18 E

628.68

 10.51

 65° 12'
 44
 65 56

Dec 2nd 1958 Commissioners
Meet

123

I go to courthouse to see commissioners
about a big office, have to stick around
a while so do some figuring

S 65° 12' E 506.1

$$\sin 907777 \times 506.1 = 459.43 \text{ E } 459.43 \text{ E}$$

$$\cos 419452 \times 506.1 = 212.28 \text{ S}$$

N 80° 04' E 182.5

$$\sin 985009 \times 182.5 = 179.76 \text{ E } 439.19 \text{ E}$$

$$\cos 172502 \times 182.5 = 31.48 \text{ N}$$

N 42° 05' E 131.

$$\sin 670211 \times 131. = 87.8 \text{ E } 726.99 \text{ E}$$

$$\cos 742171 \times 131. = 97.22 \text{ N}$$

N 10° 28'

N 10° 28' W 105.6

$$\sin 181663 \times 105.6 = 19.18 \text{ W } 767.81 \text{ E}$$

$$\cos 983361 \times 105.6 = 103.84 \text{ N}$$

N 67° 20' W 85.75

$$\sin 922762 \times 85.75 = 79.13 \text{ W } 628.68 \text{ E}$$

$$\cos 385369 \times 85.75 = 33.06 \text{ N}$$

N 21° 40' E 52.50

$$\sin 369206 \times 52.50 = 19.38 \text{ E } = 727.19 \text{ E}$$

$$\cos 929348 \times 52.50 = 48.79 \text{ N}$$

N $56^{\circ}24'E$ 157.7

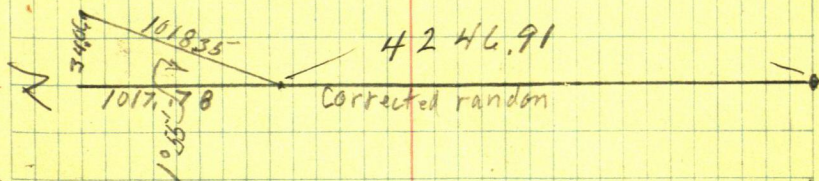
Sine $832921 \times 157.7 = 126.35'E$ 834/6

Cosine $553392 \times 157.7 = 83.95-N$

Sta 3 goes W 10.51 to mark E line
of W 628.68' Tract

Sta 4 in driveway goes

Dec. 2nd 1958

fig correction of E line Lot 2
Sec 29-136-29

N 1035' E 1018.35'

$$\sin 033446 \times 101835 = 34.06$$

$$\cos 999441 \times 101835 = 1017.78$$

$$\begin{array}{r} 4246.91 \\ 101835 \\ \hline 526526 \end{array} \quad \begin{array}{r} .006468816 = 0^{\circ}21' \\ \hline 34,06.000 \end{array}$$

446 4246.91 N goes E 27.47

42

$$\begin{array}{r} 4246.91 \\ 12734 \\ \hline 411957 \end{array} \quad \text{hub sedge of road goes E } 26.65'$$

(246.91)

Billie & I to Pequote Lakes dinner
\$200 onto Loon Lake arrive at 2 o'clock
Tower hub 4119.57 N side. Now our corrected
line. Turn 90° run E 26.65 at 60' split
Tower 4246.91 run E 27.47

219.75

NE cor lot 3

Tower I M BS S $56^{\circ}24'W$
on spike run.

N $65^{\circ}50'E$ 107.35 to 40' spike

Tower 40' spike BS S $65^{\circ}50'W$ on
IM the next IM bears N $52^{\circ}22'E$
12.45

It still on 40' spike Next IB
bears N $60^{\circ}39'E$ 126.65

Tower I M BS S $60^{\circ}39'W$ run
N $58^{\circ}57'E$ 139.04 to Slanch Trees

Tower W angle iron BS S $58^{\circ}57'W$
spike on N & S & bears
N $56^{\circ}26'E$ 212.75

Tower 212.75 BS S $56^{\circ}26'W$
tree on line so get about line
our line being N & S & seems
to run S $8^{\circ}11'W$

$N 65^{\circ} 50' E 107.35'$ Spike

$$\sin 4 \quad 912358 \times 107.35' = 97.94 E$$

$$\cos 4 \quad 409392 \times 107.35' = 43.95 N$$

$N 52^{\circ} 22' E 12.45'$

$$\sin 4 \quad 791935 \times 12.45' = 9.86 E$$

$$\cos 4 \quad 410606 \times 12.45' = 7.60 N$$

$N 60^{\circ} 39' E 126.65'$

$$\sin 4 \quad 871642 \times 126.65' = 110.39 E$$

$$\cos 4 \quad 490143 \times 126.65' = 62.08 N$$

$N 58^{\circ} 57' E 139.04'$

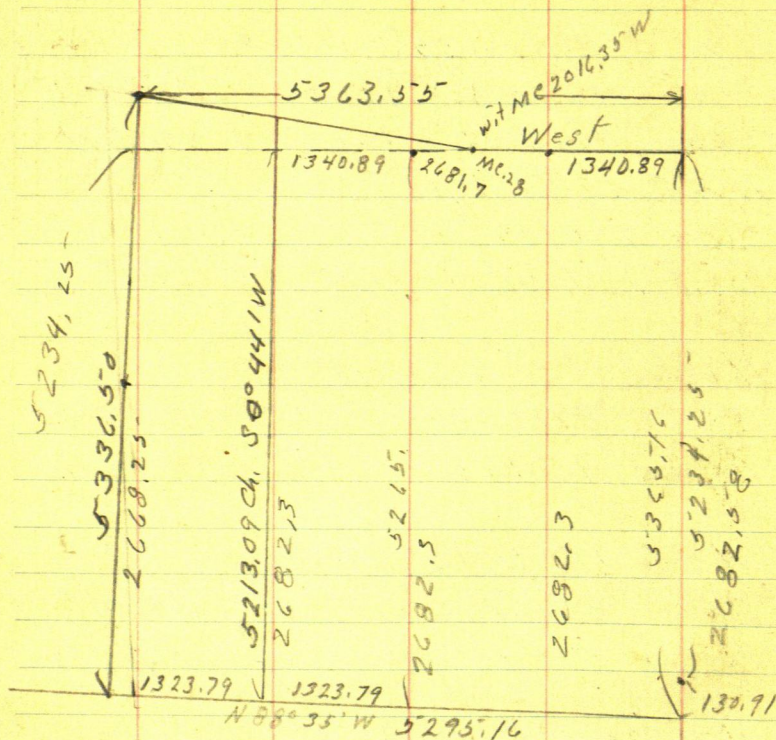
$$\sin 4 \quad 856718 \times 139.04' = 119.12 E$$

$$\cos 4 \quad 513786 \times 139.04' = 71.71 N$$

$N 56^{\circ} 26' E 212.75'$

$$\sin 4 \quad 833243 \times 212.75' = 177.27 E$$

$$\cos 4 \quad 552907 \times 212.75' = 117.63 N$$


$$\begin{array}{r} 5363, 55 \\ 5295, 16 \\ \hline 710658, 71 \\ \hline 4532935, 1332335 \end{array}$$

Dec. 4 1958

Billie comes to Walker Wehr
 Walker drive to Pequot Lake
 get dinner ^{2.10} on to Loon Lake
 arrive at 12 o'clock.

begin at stops on ice Temp $\frac{1}{4}$ chain
 South 984.65 spikes but 10 ft from water
 + 33.65 crosscut hole

88°35'

Sins. 999194 x

Cosine 024723 Y 5295.16 = 130.91

Tower IM at NE cor Tract 2 goes E 1.50'
Tower NE cor Tract 3 into

Dec. 8 1958

Ed & I to Loon Lake

Tower NE cor Tract 3 Site S $56^{\circ}24'W$
& run South

Tower IM at NW cor Lot 4 run
S $52^{\circ}22'W$ 1.14 = 0.9' W

Tower 1.14 BS S $52^{\circ}22'W$ & run
South

Tower NE & IM Tract 5 - BS S $60^{\circ}39'W$
on 60° spike chain

S $60^{\circ}39'W$

871642 into $(9 + 53 = 143)^{\text{west}} = 1.64$
along line S $60^{\circ}39'W$

Tower 1.64 BS S $60^{\circ}39'W$ & run
South

Tower NE cor tract 6 BS
S $58^{\circ}57'W$ & run South

Tower No 2 site N 80°04' E
 and down SW 30' S or S 60° W
 since

Cosine $866025 \sin 10.57 = 12.14$
 topton E line of W 628.68 ft
 Tract

M.V. Baker
 Nisswa Minn

M.V. Baker
 apt. 296
 Curtis Hotel
 Minneapolis Minn.
 Tel. Federal 3-5144 Curtis Hotel
 Office
 327 Plymouth Bldg.
 Minneapolis Minn.
 Phone. Federal 5-2827

MV Baker Loon Lake

133

June 12 1959

7636

π NW Tract 4 into on SW IM
cut back on line

Turn back on line into Non NW Cor
run $N 76^{\circ} 36' E = 13^{\circ} 24'$

Sine 231748

Cosine 972776 into 107.8 = 110.82

Now 110.82 run N + S

Still over 110.82 Turn 90° run E 100

Turn 100 run N to Lake set spike
on line in opening -

Turn spike in opening side B on lot
line run $N 85^{\circ} 55' E = 4^{\circ} 05'$

Sine 071207

Cosine 997462 into 120 ft = 120.31

Turn 120.31 run N to Lake set I Pipe

• 6 Easterly from old stake angle iron

The iron S of road bet Tracts

2 + 3 has been pulled out we find
the hole where it had been.

Turn said hole into Non IM on Lake shore
cut back on line

Turn back on tract line bet Tracts 2-3
side Non IM at Lake the IM. S of
road bet tract 1 & 2 leave

$$S 39^{\circ}12'W \quad 130 + 214 = 1514$$

$$\text{Sine } 632029 \times 151.4 = 95.69$$

$$\text{Cosine } 774944 \times 151.4 = 117.33$$

Move A to spike on Tract line
bet Tract 3-4 site X on IN
spike on Tract line bet 2-3

$$\text{bear } S 64^{\circ}12'W \quad 116.1 = 25^{\circ}48'$$

$$\text{Sine } 435231$$

$$\text{Cosine } 900319 \times 116.1 = 104.53$$

Took I M on canal bet 3-4

$$BS S and ran $S 71^{\circ}49'W$ 110.9$$

$$312059 \times 110.9 = 34.61$$

$$950063 \times 110.9 = 105.36$$

I M on Lake where bear $S 80^{\circ}49'W$

$$109.3 + 8 = 101.3$$

$$\text{Sine } 159594 \times 101.3 =$$

$$\text{Cosine } 987183 \times 101.3 = 100$$

MV Baker

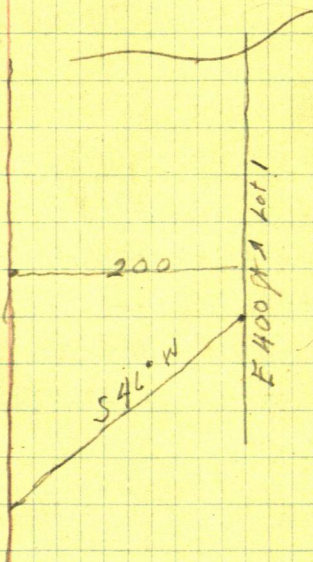
Lot 1+2
S. 29-136-29

135

280

271

June 25-1959



S 46° W 200

Sine 719340 into 200 = 278.03

Cosine 694658

Sine 719340 into 195 = 271.08

719340 into 100 = 139.02

Now IM on Lot line bet. Govt Lots 1+2

200.00

176.77

23.23

41° 52'

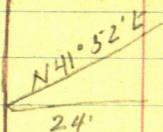
177.57

Sine 667399 x 32.23 = 21.42

Cosine 744700 int 23.23 = 31.20

- into 24 = 32.23

N 41° 52' W



N 41° 52' E

$$\sin 41^\circ 52' \times 667399 \times 32.23 = 21.51 \text{ W}$$

$$\cos 41^\circ 52' \times 744700 \text{ into } 24 = 22.23 \text{ S}$$

W 48° 08' N

$$667399 \text{ into } 24 = 35.96$$

$$744700 \times 35.96 = 26.78$$

M.V. Baker

Loon Lake

Baker wants the E & W $\frac{1}{4}$ run and
 corner set at $\frac{1}{16}$ center W $\frac{1}{2}$. Sec.

Correction for W. $\frac{1}{16}$ line see page 120
 this book. also see page 128

according to figures the E & W center
 line crosses the W $\frac{1}{16}$ line 2671.83 N.
 of the W $\frac{1}{16}$ on the S line Sec. 29. 136-29
 distance across Sec 29 E & W at $\frac{1}{4}$ is
 from $\frac{1}{4}$ W to sec line

North end 5363.56

South end 5295.16

Center 5329.36

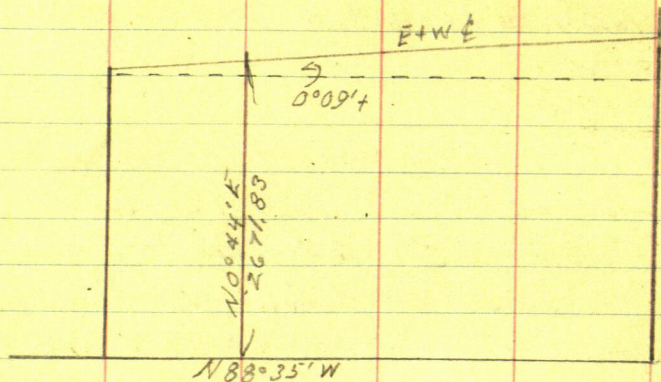
E side of Sec. South $\frac{1}{2}$ is 2682.58

W " " " " $\frac{1}{2}$ " 2668.25

difference

14.33 N

5329.36 \pm 14.33 = 5343.69



We will have to go to hub in old road or fence
line and go North which is 1316.07 N
the next hub N is 517.7 N = 1833.77
the 2nd hub N of road is + 393.7 = 2226.77 N
the 3rd hub N of road is + 600.4 = 2827.17 N
Over 3 hub N of road 2827.17 site Son
hub. 2226.77 N and chain South from
T 2827.17
2671.83
155.34 to pt 2671.83 N distance N to 2

Correction in W 1/2 line .006433804 + 466
hub 2827.16 N goes E 18.19 + 466 = 22.85 to line
hub 2671.83 N " E 17.19 + 466 = 21.85 to pt
for temp 1/2 center W. 1/2 Sec. 29-136-29
Over temp 1/2 car site N on flag at corrected
hub 2827.16 Var set at N 0° 44' E Turn R
to S 88° 35' E then turn Var back N 0° 09' 4\"/>

3/537
175

8960 139
8844
1116

Sept 18th 1959

From Temp E & W & Sec. 29-136-29

588°35' E

+ 0°09' E

588°44' E

We start out the W 42 ft of Gout lot
1 Sec. 29-136-29 out I.M.
at Lake shore & S of road

We go to 1/4 center of W 1/2 sec
29-136-29 & run

588°44' E along E & W & Sec 29
= 1°16'

Sin = 022106

Cosine 999756

$$628.68 \div 999756 = 628.84 \quad L$$

$$105.5 \div 999756 = 105.53 = 734.37 L$$

$$100. \div 999756 = 100.02 \quad 834.39 L$$

$$107.8 \div 999756 = 107.83 \quad 940.22 L$$

$$100 \div 999756 = 100.02 \quad 1040.24 L$$

$$120 \div 999756 = 120.03 \quad 1160.27$$

Then to N 45 E at 1332.35 - 1160.27 = 172.08

Baker decides to run out the E & W &
and mark tract corners

from Temp $\frac{1}{16}$ Center $W\frac{1}{2}$ Sec 29
 run $S 88^{\circ}44'E @ 212.8$ huts +

240	62884
452.8	4528
	176.04

Tris to $W\frac{1}{16}$ Center $W\frac{1}{2}$
 Sec. 29. 136-29 $2 \times 48" I.M.$

J.P. 4 N $50^{\circ}W \pm 12.5'$

R.O. 10 N $30^{\circ}E \pm 18.5'$

R.O. 10 N $88^{\circ}40'E \pm 38.5'$

J.P. 4 S $10^{\circ}E \pm 9'$

@ 628.68 E $2 \times 36" I.M.$
 on E & W of Sec. 29-136-29

Tris

R.O. 4 N $20^{\circ}W \pm 25.25'$

R.O. 14 N $75^{\circ}W \pm 40.6'$

Poplar 4 S $10^{\circ}E \pm 7.18'$

+

+ 105.5' E set $2 \times 36" I.M.$

Tris Pop 12 N $5^{\circ}E \pm 18.3'$

Pop 10 East $\pm 6.9'$

+ 100' set $2 \times 48" I.M.$

R.O. 8 N $45^{\circ}W \pm 4.15'$

+ 107.8' set $2\frac{1}{2} \times 36" I.M.$

Tris R.O. 7 South $\pm 8.32'$

Pop 9 N $50^{\circ}W \pm 5.75'$

110.1

12.5

141

18, 16-5

38, 6-6

+100 set a 2x48"

Ties JR 7 S 45° E ± 15.1

Pop. 3 West ± 10.32

+120 set a 2x48" IM.

Ties RD 5 S 85° ± E 15.65

Pop. 6 N 35° ± W 7.70

+172.08 set 2x48" IM.

Temp Center No. 29-136-29

Ties

RD 8 S 45° E ± 10.1

RD 7 N 85° W 9.80

Birch 14 North ± 3.45

We drive N-E+N to the N line of the
N 100 of S 720 ft of Gov't lot 3 Sec
20-136-29 Want the N line
of S 940
720

Turn right back on N line of S 720 ft of lot 3
site E on flag on another 60° spin on N
line of S 720 ft

Run R 59° 53' 106.1 on N 30° 07' W

Sine 865° 006 x 106.1 = 91.78

Cosine 501762 x 106.1 = 53.24

Tower 106.1 BS $15^{\circ}59'53''S$ & run
 $W 23^{\circ}13' N$

2 208.10

91.78

128.22

53.24

298.92

352.16

$23^{\circ}13'$ or $N 66^{\circ}47'W$

Sine $919021 \times 325.26 = 298.92$

Cosine 394209 into $128.22 = 325.26$

37

865006

106.1

865006

5190036

~~865006~~

91.7771966

2

2394209

32526

2065254

78841.8

1971.045

78841.8

11826.27

128.21

74

501762

106.1

501762

3010572

~~501762~~

532369482

91.78

128.22

220.00

Loon Lake.

Harold Stone Hollister Missouri

Letter from E.A. Ruttger Brainerd

Dated Nov 3rd 1959.

Dear Harold:

I just received a letter from Harold Stone the New owner of the Gronli property on Loon Lake. He has requested us to make arrangements with you to survey and set iron stakes at the 5 corners of his property the legal description of this property is quite lengthy. However, it would seem that all of Gov't Lot 3 Sec. 29-136-29 Cass County except the Easterly 440 feet thereof should describe it correctly.

In case you wish to contract Mr Stone his address is Hollister Missouri

When I talked with you a few weeks ago you suggested the job could be done faster if you could do it as soon as the lake froze over and the snow got too deep

I hope this works out O.K.

Sincerely

Ed

EAR/Im

cc: Harold Stone E.A. Ruttger
Hollister Missouri

Dec. 1st 1939

I check old records in Book
"A" on page 575 Recorded Mar. 28 1913

Page. 573 says at cor to 29-30-31-32 ¹³⁶⁻²⁹

US Notes call for

Blk Pine 8-S 50°E 62 or 67 Lks = (4092 or 44,22)

" " 8 S 57°W 80 Lks - 52,80 ft

" " 7 N 75°W 86 Lks = 56,76'

" " 8 N 59°E 93 or 98 Lks = 61,38 or 64,68'

We find all trees standing except the
SW tree which is broken off 3 ft high

At cor to sec. 19-20-29-30 - 136-29 -

US Notes call for

Spruce Pine 12 N 36°E 42 Lks

" " 10 S 32°30' W 35"

" " 8 S 32°E 38"

" " 14 N 34°W 76 Lks

Find NE BT stump plainly mkd. other
stumps O.K.

At cor to 20-21-28-29 - 136-29

US Notes Call for

Blk Pine 8 N 76°E 50 Lks

" " 6 N 60°W 81 "

None 11 14 S 27°W 48"

" " 14 S 17°E 65'

We find NE pine standing dead but plainly
MKD. the SE tree standing plainly MKD
the SW stump MKD. B.T.

MC No 28 E side Loon Lake bet sec. 20-29-136-29

US Notes call for.

N.P. 145 25°E 84 Lts NP 10 N 11°W 58 Lts

we find the SE B.T. stump plainly MKD B.T.
from which we set M.C.

Beg at cor to sec. 20-21-28-29 run West
US distance to M.C. = 1999.80 ft my chain
2034. = 34.20 Long. continue West
across Loon Lake at 5050 Lx lake
at 5101.4 True M.C. No 27 sets N. 77.45'
at 5363.35 true cor to sec. 19-20-29-30-136-29
sets N 102.25 ft

At MC No 27 W side Loon Lake

US Notes call for

N.P. 18 36°E 47 Lts

" " 14 N 39°W 52 Lts we find the
SE tree standing green plainly MKD
from which we set the true M.C. No 27

from cor. sec. 19-20-29-30-136-29
 run south on $8^{\circ}46'00''$ N
 at 1080 hut on small hill at 1596 E of main
 wagon road bears E & W at 1908 E another road
 runs E & SW at 2640 = $\frac{1}{4}$ bet 29-30 "gone"
 at 5280 hut True sec cor bears $S 27^{\circ}45'W$
 64. ft on 56.50 South and 29.80 W

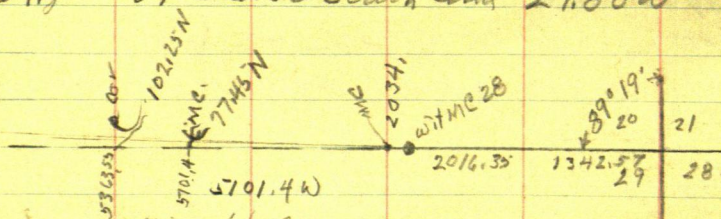


Fig old fig.

old Notes say at 5701.4 MC N=27 sec N 77.45°

pt for MC. 28 was 2034.0

= 3067.4 into 77.45°

$.025249396 = 1^{\circ}26\frac{1}{2}'$

5363.53 "

- 2034.

3329.55 into $102.25^{\circ} = 03070985 = 1^{\circ}45\frac{1}{2}'$

Chuck Beecord Book "B" page 305 to 308

Jan. 24th 1960

Don Ed + I to Loon lake

Tower wit M.C. E side Loon lake bet Sec.

20-29 into E on flag at E 1/2 cor & run

west chain W from 1st corner2016.35 + 665.43. = pt for V₄ + 1340.89

= 4022.67 pt for W 1/16 on ice

900

4922.67 min

4922.67

123

5045.67

5101.4

4922.67

178.73

6.40

5101.4

5045.67

55.73

11.40

1916 Horst at MC N^o 27finds old US B.T. standing green
plainly MKD. =

N.P. 22 S 6° E 31.02

MKD New B.T. NP4 N 43° 30' W 31.30

Jan 28 - 1960 $\begin{matrix} 93. \\ +30. \\ \hline 123 \end{matrix}$

Don - Ed & I to W side of Loon Lake.

Tower hub, 5045.67 into E on flag at MC N^o 28.

Set post at 5101.4 hit N.P. 10"

Turn 0°20' R then 0°20' L set hub on E and on W of 10" N.P.

This will not work as there is a large S.P. in so run 0°20' R.

Tower 50.45.67 W we want 5363.56
 $\begin{matrix} 5045.67 \\ \hline 317.88 \end{matrix}$

0°20'

Sine 0058

Cosine 99998 into 317.88

$\begin{matrix} 99998 \\ \times 317.88000 \\ \hline 317.8 \end{matrix}$

$\begin{matrix} 299999 \\ \times 299994 \\ \hline \end{matrix}$

$\begin{matrix} 178860 \\ \times 99998 \\ \hline \end{matrix}$

$\begin{matrix} 788620 \\ \times 699986 \\ \hline \end{matrix}$

$\begin{matrix} 886340 \\ \times 254704 \\ \hline \end{matrix}$

$\begin{matrix} 158940 \\ \times 1843704 \\ \hline \end{matrix}$

$\begin{matrix} 102.25 \\ \times 1.84 \\ \hline \end{matrix}$

$\begin{matrix} 100.41 \\ \times 1.84 \\ \hline \end{matrix}$

$\begin{matrix} 12.7 \\ \times 1.84 \\ \hline \end{matrix}$

$\begin{matrix} 100.41 \\ \times 1.84 \\ \hline \end{matrix}$

$\begin{matrix} 12.7 \\ \times 1.84 \\ \hline \end{matrix}$

$\begin{matrix} 100.41 \\ \times 1.84 \\ \hline \end{matrix}$

$\begin{matrix} 12.7 \\ \times 1.84 \\ \hline \end{matrix}$

100.41 N of 16 45.

12.7 ± N of 16 45.

297.7

160

136.7

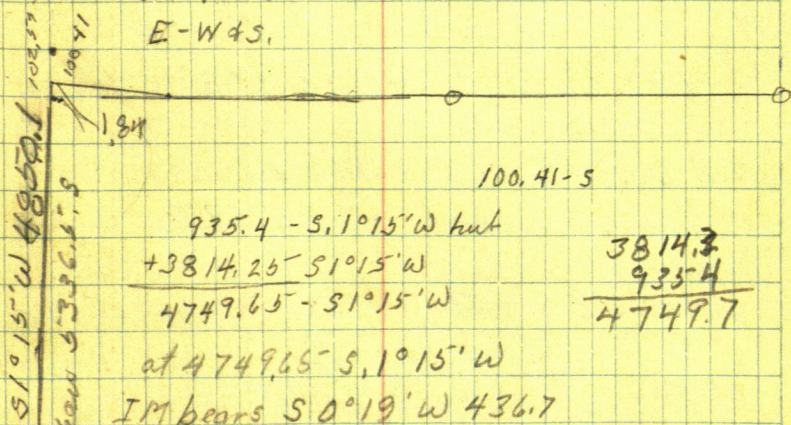
873

149

From 5363.55' W S 935.4' hub API
 S 1°15' W set hubs at API 2' chain North
 $3600 + 214.3 = 3814.2$ to API 1

From hub 3814.2 - IM sets S 0°19' W
 Chain N. 436.7

at 1193.05' hub at Δ intersection of roads
 E-W & S.



1°15' W

Sine $0.21815 \times 4749.7 = 103.61$ W

Cosine $0.999762 \times 4749.7 = 4748.57$ S

S 0°19' W

Sine $0.05527 \times 436.7 = 2.41$ W

Cosine $0.999985 \times 436.7 = 436.69$ S

Temp NW Cor Sec 29 run
 South 100.41' = Sta 1 run
 S 1°15'W 4749.7 = Sta 2 run
 S 0°19'W 436.7 to T.M. SW Cor Sec 20

$$\text{Sta 1} = 100.41' S$$

$$\text{Sta 2} = 4747.66 S + 103.78 W = \\ 103.61 W \text{ \& } 4848.98 S$$

$$\text{Sta 3} = \text{IM SW Cor Sec 20-136-29} \\ 106.02 W \text{ and } 5285.67 S$$

$$\begin{array}{r} \text{Want } 5336.50 \\ \text{have } 5285.67 \\ \text{Need } \underline{50.83} \text{ short} \end{array} \quad 102.25'$$

$$\begin{array}{r} S 1°15' W \quad \text{runs } 0°19' W \\ 0°75' \\ - 19 \\ \hline 0°56' \end{array} \quad \begin{array}{r} 119305' \\ 15025' \\ \hline 134330 \\ 133418 \\ \hline 912 \end{array}$$

$$\begin{array}{l} \text{Sine } .016289 \times 436.7 = 7.11 W \\ \text{Cosine } .999867 \times 436.7 = 436.64 \end{array}$$

$$\begin{array}{r} 935.4 \\ 160.22 \\ \hline 1095.62 \end{array} \quad \begin{array}{r} 1095.65 \\ 3814.3 \\ 2935.4 \\ \hline 1460.2 \\ 009 \end{array}$$

262.15
 112.75
 149.40

151

5083 → cor
 Temp cor

0013708296 OK = 0°05'

5186.64 / 7.11

AP 5363.53
 589°28'W

935.4

0°32 1/2'

Hub 935.45 goes
 E 1.28

West

009478796

5363.53 50.84

Hub. 1353.25 in Aroid
 goes E 1.86

hub. 5363.53 goes N

50.84 to old 1909 random

hub 1198.05 S
 goes E 1.64

hub 5701.4 W goes
 N 48.36 to 1909 random line

38/4.3
 51015.2W

4748.7

MC. 28 is 2016.33 W goes
 N. 19.11

North line sec 20

4748.575 103.61

line runs S 89°27 1/2' W
 fig.

5170 0094535 x 5363.55
 50.70

5186.345

CS 99995357 into 536355

5063.78

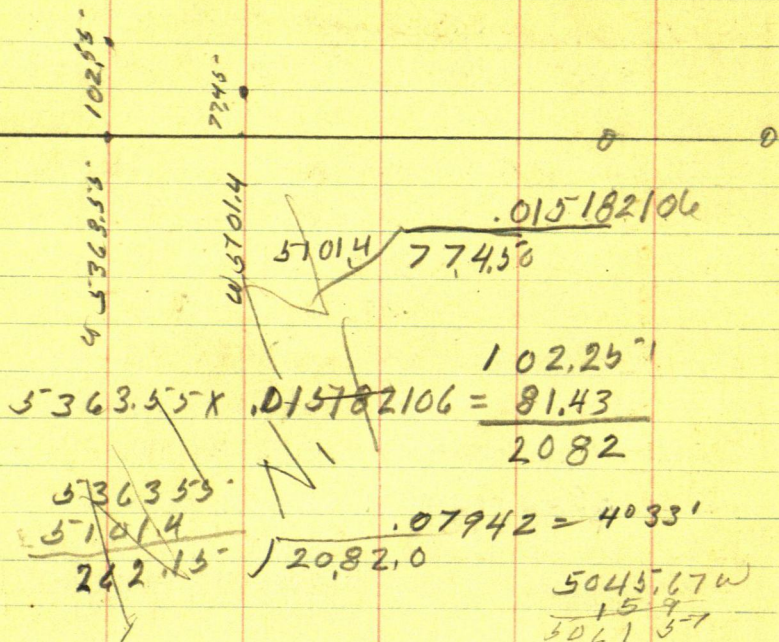
9999535 x 536355 =
 5363.31

635.19
 5010.10

S

2

hub 50



Jan 30-1960

Ed Don & I to Loon Lake we find the stump of the B.T. at MC N^o 27 from which we set pt for MC N^o 27 W side Loon Lake by flat chain

From pt 5061.57 W on Random line MC N^o 27 sets NW angle 73°26' or N 16°34' W 130.32.

From MC 27 on sec 6 ft from Bank Site S 16°34' E on run W 40°33' N

242.15-

86.75

153

$$\begin{array}{r} 12.4 \\ 242.15 \\ \hline 249.75- \end{array}$$

at 12.75 hub on Keawall pt for W. 7 M.C.

249.75 at pt for NW Cor Sec.

29.

Tower sta O on intersection of
E & W random N line sec. 29

site Son corrected line site N & hit
split at for Cor. 150.25 ft N

Tower NW Cor sec. 29-136-29

site S on true line take Ties

Yellow Jack Pine Tree 18 bears S $14^{\circ}55'E$

50.85' in Sec. 29 MKD S. 29 T136 R29 BT

Jack Pine 4 bears S $39^{\circ}03'W$ 61.80 in

Sec. 30 MKD S. 30 T136 R29-BT.

Yellow Pine 12" bears N $35^{\circ}26'W$ 66.10'

in Sec. 19 MKD S 19 T136 R 29-BT

Yellow Pine 18 bears N $68^{\circ}25'E$ 16.00

in Sec 20 MKD S 20 T136 R29 BT

to face of Blage.

Tatill at NW Cor Sec 29-136-29

Site S on true line - Wit MC N^o 27 bears

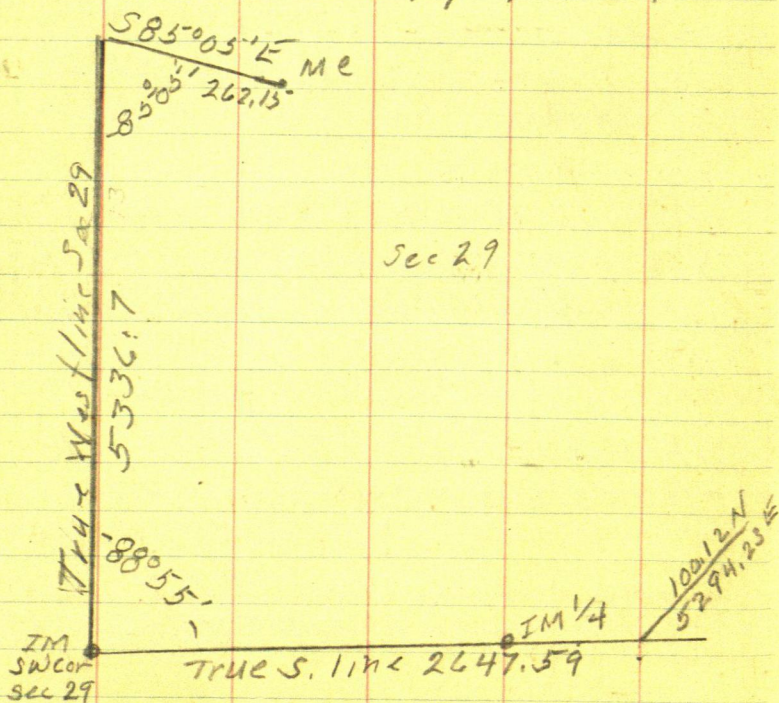
S $85^{\circ}05'E$ 249.75 ft.

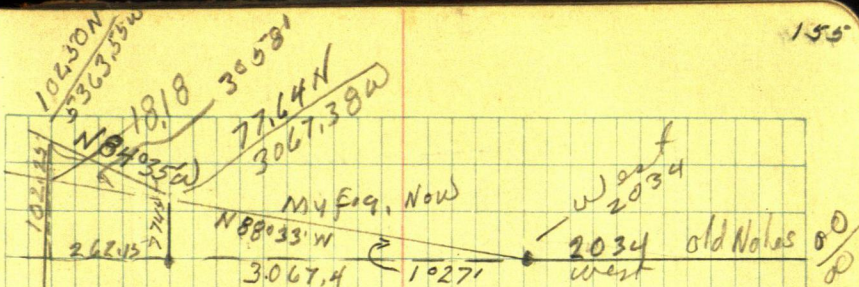
angle of true lines at SW Cor sec

29-136-29 is $88^{\circ}55'$

Jan 31 1960

Don & I to Moon Lake. Tower correct.
 hub at 935.4 site Son corrected
 hub. 1193.05 and set pts South
 along True West line of sec 29
 136-29. We go to hub on S line
 Sec 29 see page 27 and correct
 hub. 2579.2 N. 20.65 set pt
 Tower SW cor sec. 29 mile Non true
 line Turn L $88^{\circ}55'$ to point on
 True S line sec. 29-136-29





$$77.45 \div 3067.4 = .025249396 = 1^{\circ} 27'$$

$$025249396 \times 3329.53 = 84.07$$

$$102.25 \quad N 88^{\circ} 33' W \quad \text{Sine } 999680 \text{ into } 3067.4 =$$

84.07

$$\text{Cosine } 025304 \times 3067.4 =$$

$$18.18 \div 262.15 = .06935 = 3^{\circ} 58'$$

$N 40^{\circ} 35' W$

$$\text{Sine } 094398 \times 263.33 = 2486N$$

$$\text{Cosine } 995535 \text{ into } 262.15 = 263.33$$

$N 89^{\circ} 25' E$ 5295.78

$S 0^{\circ} 30' W$ 5336.7

$$\text{Sine } 008727 \times 5336.7 = 465.7 W$$

$$\text{Cosine } 999962 \times 5336.7 = 5336.50 S$$

$N 89^{\circ} 25' E$ 5295.18

$$\text{Sine } 999948 \times 5295.18 = 5294.9 E$$

$$\text{Cosine } 010181 \times 5295.18 = 53.91 N$$

5410.12 W

5234.00 S

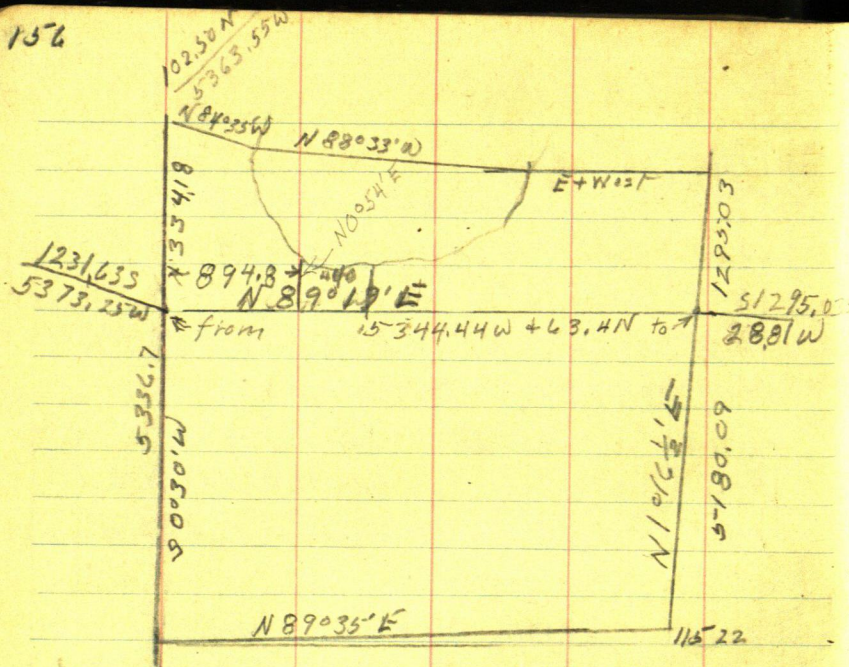
5294.9 E

53.91

115.22

5180.09

156



$$5180.09 / 115.220 = 0.2224285 =$$

$$S 0° 30' W \quad 1334.18$$

$$\sin 007272 \times 1334.18 = 9.70 \text{ W}$$

$$\cos 099962 \times 1334.18 = 1334.13 \text{ S}$$

$$S 1° 16' \frac{1}{2} W$$

$$\sin 0222515 \times 5181.37$$

$$\cos 0997525 \text{ into } 5180.09 = 5181.37$$

$$5344.44 / 63.40, 00 = 0.11862795 =$$

Feb 2nd 1960

Don Ed & I to Loon Lok.

Tower I M Sop road into on flag at
hole where I M has been taken out
and set back on line

from at 440 ft W of E line Lot = W line
 run N parallel to road W line
 winter sec. N line at E
 of N line cor bet sec 29-30-136-29

$$\begin{array}{r} 900 \\ 5.2 \\ \hline 894.8 \end{array}$$

W line of E 440 ft of Govt Lot Sec 29
 136-29 runs $N 0^{\circ} 54' E$ along W line of
 E 440 ft tract @ 234.7 hub + 331.6 =
 566.3 hub on top bet 18" N.P. offset 1.2 E
 8 run + 110.8 = +38 water

$$\begin{array}{r} 566.3 \\ \hline 677.1 \text{ at } \text{IM on brink} \end{array}$$

$$\begin{array}{r} 677 \\ 4.0 \\ \hline 1297 \end{array}$$

8468

1297 ft on ice Town 8468 sec 12
 offset take stake of shore line

B S S $0^{\circ} 54' W$

~~2~~ 125 - S $65^{\circ} 40' W$

235 N $85^{\circ} W$

375 N $71^{\circ} 20' W$

460 N $58^{\circ} W$

M.V. Baker Loon Lake

Oct 24th 1960

Ed & I to Loon call Baker at Pequot Lake
 he will meet us where we turn off of 371

Travel on E line of E L 28.

Turn R 90° hit tree Turn 1° More R & run

1° = Cosine 999848 into 100 = 100.015

999848 into 300 = 300.0456

Lot 2 Sec 20-136-29

139

Adolph Winkler - 2115 = W 63 + dist Myles -

5287.65

2643.82

Ties J.P. 10 S 25° 34' E 40.20

" 5 S 43° 55' W 45.30

" 8 N 35° 21' W 43.55

" 10 N 41° 52' E 49.55

Sec 20-136-29

N 89° 09' 30" W 2662.8

1331.4

Loon
Lake

91° 56' 30"

88° 03' 30"

88° 27' 30"

1331.4

91° 52' 30"

2669.75

2669.75

2669.75

2669.75

N 90° W

89° 19'

90° 41'

SE Cor

all three ties are
gone so we mark
new ones

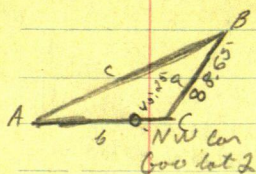
Ties

Birch 8 S 28° 05' W 27.42

J.P. 5 N 44° 07' W 66.45

" 10 N 72° 07' E 80.95

" 6 S 36° 04' E 35.35

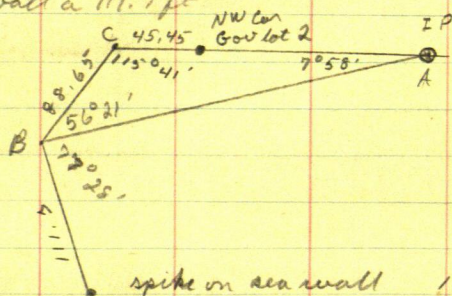


$$b = \frac{a \sin B}{\sin A} = \frac{88.65 \times .83244}{.13831}$$

$$b = \frac{73.7958}{.13831} = 533.55$$

$3506.1 + 533.55 = 4039.65$ as we only want 3994.2 pt C has to go back 45.45 not set has it is in swamp

Then over B sight A turn $77^{\circ} 28'$ set spike on sea wall a 111.7 ft



spike on sea wall 182.23' South & 45.92' W of NW Cor Gov lot 2

Then 111.7 sight B run

Handwritten numbers in a column, possibly a list or index, including 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200.

