

262

DIETZGEN
NEW YORK

ENGINEERS'
FIELD-BOOK

No. 403

BOOK N^o 262
1942. Curo

Pike Bay Nolan McNaughton
Pike Bay

This Field Book is manufactured of a High Grade 100% Rag Paper Having a **WATER RESISTING SURFACE**, and is sewed with Bing Special Enamel Waterproof thread.

Made in U. S. A.

262

1

Index

Plots P95-7-9-59

Correction 92-

Meridian 82-60-59-56-65

See Book 213 Jack McNaughton

Recd on account

2

Addresses

Clyde Parker Brainerd Minn Pg 12-14-81

M. Eleanor Nolan-Lawyer Brainerd

Meridian Pg 80

August

1942

I am to establish the center
of Sec 20 134-29 For
Bill McNaughton and others
@ 150. flat charge

I will also survey Outlot
A and Triangle adjoining
Outlot on the west to determine
whether this is part of Gov Lat 2
or Gov Lat 3- in Sec 20-134-29

Miss M. Eleanor Nolan-
Bernard Louyer takes me in
her car from Bernard

We call on Bill McNaughton
to him at Outlot 1 and
drive on to cottage of Mrs
Walker

Mrs Walker rather not pay
\$150. for the survey but will
deed over free of cost that
part of Gov Lat 3- Sec 20
134-29 if it proves to be
in Lat 3-

Mrs Walker realizes that
 Bill McNaughton can hold
 this triange by adverse
 possession and Mrs Walker says
 in effect that she would
 rather deed it over than to
 cause Miss Valan and her
 clients this extra cost of a
 useless court action

Mighty fine of Mrs Walker

John W. Cress
 Co. Surveyor Cass Co
 Minn

C.M. Orig

'40'

N 89° 47' W 2465.3

C.M. Orig

Copied at Gull Lake Dam
Aug 14 - 1942
From U.S. Blueprint there

Mr Carl W. Ekberg, Attendant
assisted. Helped me find two west
monuments on So Line

N 0° 32' E 1810.5

2421.3

N 87° 17' W 1105.7

N 87° 17' W 1315.6

③ C.M.

Orig C.M.

③ C.M.
to be removed N. to
Pt indicated

④ to be removed N.
to Pt indicated

6

Pike Bay

August 14-1942 Friday

Bubs Willis and I drive from
Jenkins to Pike Bay

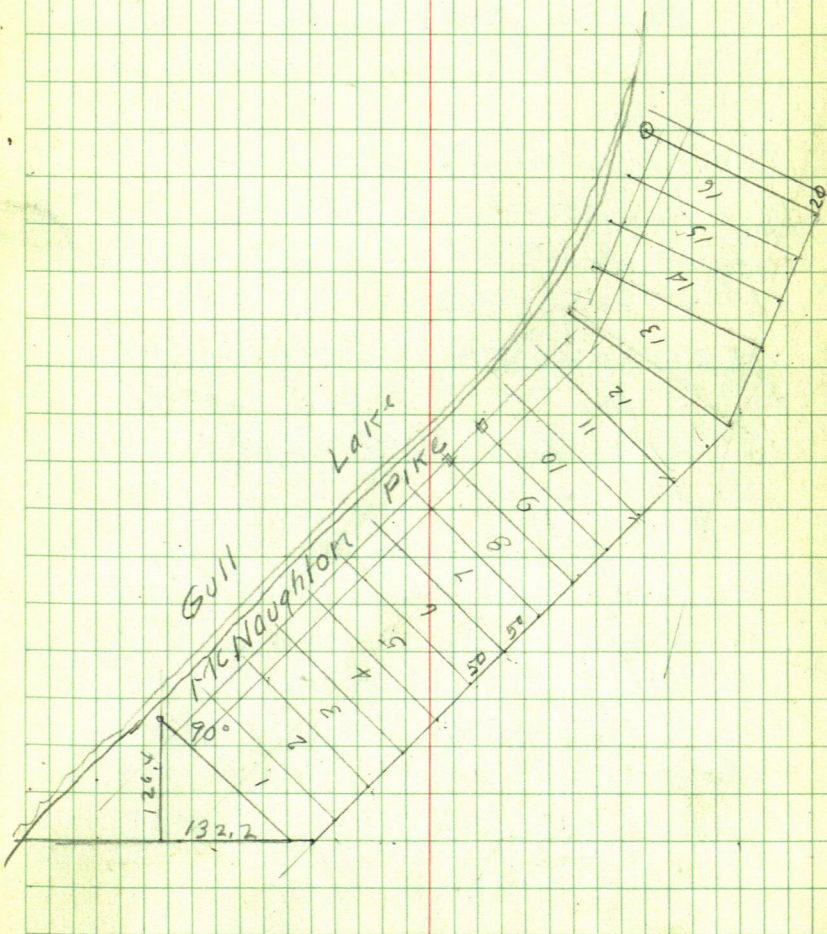
Meet Mrs Fannis S. Chaffee
and her daughter
who own Lots 1-2- of Pike Bay

They will pay \$20. (\$10.0 Lot) if
I will establish their lines and
corner

If I can get all the lot
owner of Pike Bay to ship in
\$10.0 Lot I will survey all of
it - at \$150 or less

Pike Bay

7



8

Aug 14 - 1942 Friday

Margaret H Wells owns

Lots 3-4-5- I offer to stake them

Lots @ \$10. each

Mrs Wells says to see her Husband
at "Wells-Moloi's". Blamuel

Bubs and I do not work much
I call at U.S. Dam - Gull Lake Dam

Meet the dam attendant Mr

Jarl W. Ekberg who shows on the
vs Blue print which I copy on Page 5
of this Book #262

He goes with I and Bubs - and we
locate the Two West Cement Mon-
uments on So side Gov Lot 1.

See 20-134-29

Bubs and I eat 3PM dinner in
Blamuel Then back to Jenkins

Evening: Martha and I to
Walker to Townsend meeting
Over nite in Walker - meet Reed Cucco
who is here from

As Date to buy Blue Bus @ \$2700.00

10

August 15-1942 Sat

Martha and I walk to Jenkins

(Evening: I go to Pine River

Harry Nelson will not have

my \$55. before Tuesday

Mr

Healand gives me his

ch \$25. Bal due \$25. on Lake Hattie

Sunday

Pike Bay

11

Time Sheet

Aug 1942

John W. Curo

SUN

14 15 16 17 18 19 20

Car

Expense

Bubs Willis

PIKE Bay

Aug 16-1942 Sunday

Martha and I to Pike Bay

Meet Dr Jamison who owns

Lots 6-7-Pike Bay

Dr Jamison will not pay for a
survey. Says he had his contractor
survey his lots and place his
house on center line bet Lots 6-7.

Fred Conklin owns Lot 8

Dr Jamison evidently advised
Fred not to have his lot surveyed

Fred said "I will let you know"
I do not intend to ask them again

Mr Wells is out on the lake

Martha and I drive to Beamed
Call on McKinley-

Then on to "Parkerville"

Meet Bob Campbell

Meet Mrs Clyde Parker - Clyde is
in Beamed

Back to Merrifield: Quinn
Parker has half interest on Pelican
for sale @ \$8,000.00

Drive north: Look over BF Nilson
"40" NW SW Sec 6-

14

Aug 17-1942 Monday

Bubs Willis and I to Park Bay
Make preliminary chain of lots
Dist bet Dr Jamison & and Lot 1 is
about 3 ft short

Miss Chaffee positively identifies
16 1/2" iron bolt with nut on lip
and set in a pile of stone as the line
to line of her lot SW Cor

Mrs Fannie Chaffee the recorded
owner says that this iron has
marked this line for years

They point up a 2" balsam tree
planted by Buff McNaughton
about 3 ft S of the iron bolt so that
they "can always find" their stone
pile and iron bolt corner

I drive on into Bremner

Wells and his attorney Bill
Baird positively refuse to
make their survey.

Clyde Parker says he will be
glad to pay \$50 to have his lots
staked \$1. To Willis But due him \$2.

Aug 17-1942 could PIKE Bay

15-

Aug 18 - 1942 Tuesday

Find a letter from Mrs A C Petrie
Box 53 NISSWA who sent my letter to
Cass Lake she owns

Lots 6-7- and part of 9-

Carlisle's Lake Front

Carlisle's Subdivision

Lot 8 owned by James (Jim) LaCina
trouble over lines and roadway

See Field Book #

At Pike Bay I inform Fannie Chopper
and daughter that I will not
survey their lots and will
Not accept their money

Call on Mrs Hidecker

who says her son Bert will pay

\$35 for his survey now

To be paid in monthly payments

Pike Bay

17

PM. Bub and I
Reg @ MC.

265.4
58.3
323.7

Run East assumed

Hub @

Hub under T From

Run N 82° 45' E (= 7° 15' L)

Hub in no wheel track
old E W Road

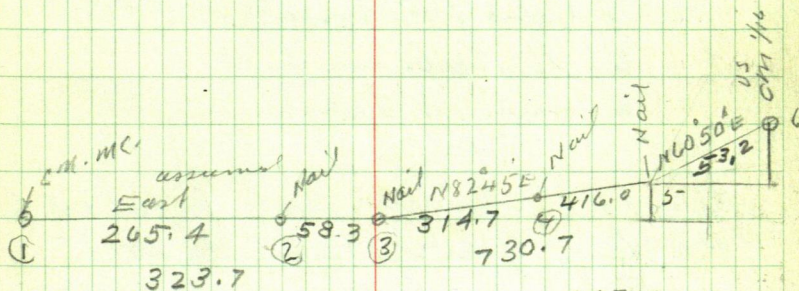
Hub

T over

cm 1/16 bears

N 60° 50' E

314.7
416.0
730.7



265.4
58.3
314.7
416.0
53.2

Via Crocker - - - - - 1107.6

August 19-1942

Bubs and I drive to Pine River - Harry Nelson gives me
 ch \$55⁰⁰ in full for survey of
 SW NE 10 - 139-29

Drive on to Bachus Bay
 Bachus Bank \$27⁰⁰ + - in full
 for note

Back at Pine River pay
 Bill 50⁰⁰ for straightlining
 Hay Rake Tooth for survey pin
 Pay Jack 50⁰⁰ as
 grind and guard Bubs axe

Buy old Hay Rake teeth
 90⁰⁰ to Katie for meat

\$3 to Bubs in full

Dinner at Tankin

PM

On to Brainerd Call on Clyde
 Parker - Advise him not to
 sell his back land on his lots
 at Pike Bay -

At Brainerd Office Supply Co
 Anderson has a Thomas Calculator
 for sale @ \$64⁵⁰ will hold off for me

PIKE Bay

19

Aug 19-1942 cold

meet Eleanor Holan on Laurel
St Copy notes at Ch. H.

Copy plat Carlisle Lake Front
See Field Book H

Drive to Mission Lake

We join La Cima shows me
Old fence on West side of his
Lot 8-

Meet Mrs. A.C. (Dan) Petrie

Work late

See Field Book H

8 PM at Jenkins

8 1/2 hrs. Bubs Willis

20

PIKE Bay

Aug 20-1942 THURS

Cash \$10 P.O. Order at Jenkins

Send \$5 P.O. to Mrs Frank Shells
Walker - Buttr and ILV Jenkins
10 am - Hat as hell

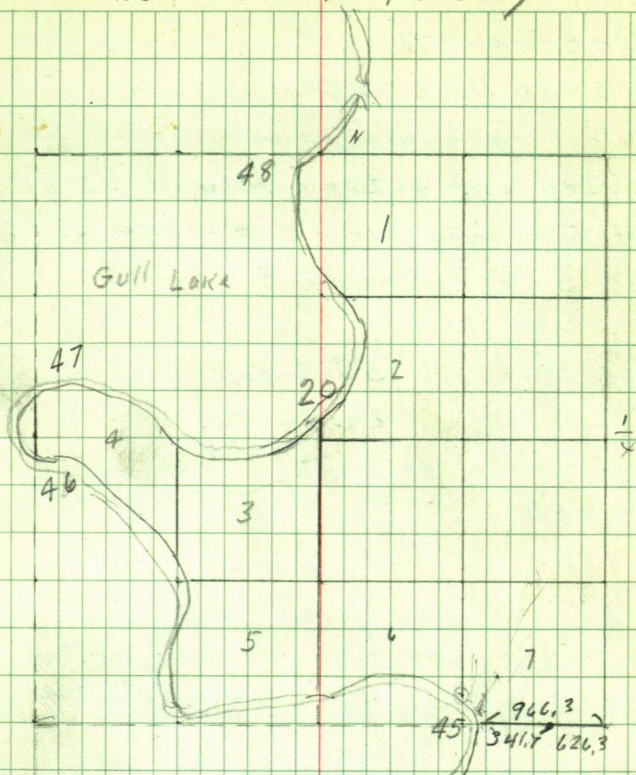
Call on Henry Bye preliminary
Request to Sugar Cane

See Pike Bay 11-10 AM

134-29.

PIKE Bay

21



2446.7

6263
 3417
 9680

29

22

See Page 17.

Sta 6 - ch 53.2 To Sta 5

$$40 + 100 = 140 + 100 = 240 + 100 =$$

$$340 \text{ pin} + 76 = 416 \text{ Nail Sta 4}$$

$$\text{Sta 4 continue } 100 - 200 - 300 + 14.7 =$$

$$314.7 \text{ To Sta 3}$$

Sta 3 ch West 58.3 To Sta 2

$$2 \text{ " " } 265.4 \text{ To Sta 1}$$

$$1 = \text{US - MC CM}$$

	N	N	E
Sta 1 15	0.0 N		
3	0.0 N	0.00	323.70
5 = 323.7 + 724.86 =		92.21	1048.56
		25.93	
6 = 1048.56 + 46.45 =		18.14	1095.01 E

$$\begin{array}{r} 323.70 \\ 724.86 \\ \hline 1048.56 \text{ E} \\ 46.45 \\ \hline 1095.01 \end{array}$$

$$\begin{array}{r} 92.21 \text{ N} \\ 25.93 \text{ N} \\ \hline 118.14 \text{ N} \end{array}$$

Pike Bay

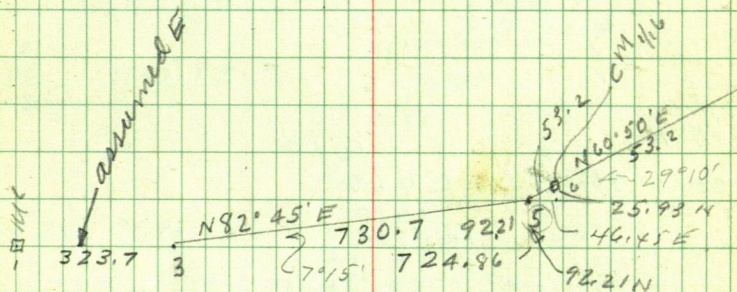
23

$$82^{\circ}45' = 7^{\circ}15'$$

$$\text{Sine } 1126199 \times 730.7 = 92.21 \text{ N}$$

$$\text{Cos } 992005 \times 730.7 = 724.86 \text{ E}$$

$$\text{Tang } 127216 \times 724.86 = 92.21 \text{ OK}$$



$$N 60^{\circ} 50' E = 29^{\circ} 10'$$

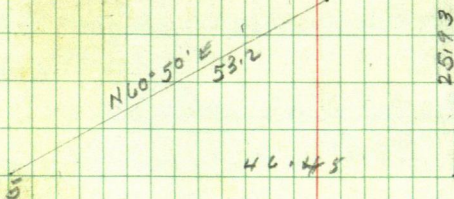
$$\text{Sine } 487352 \times 53.2 = 25.93 \text{ N}$$

$$\text{Cos } 973206 \times 53.2 = 46.45 \text{ E}$$

$$\text{Tang } 558118 \times 46.45$$

$$1095.01 \text{ E}$$

$$118.14 \text{ N}$$

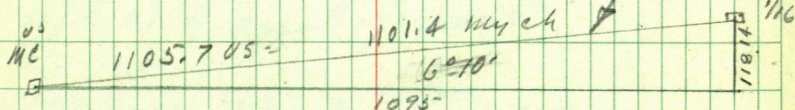


PIKE Bay

25

Page 5 - Shows Copy of US ENGR'S
blueprint at Gull Lake Dam which
calls this line N 87°17'W 1105.7
We chain it 1101.4

We will still call it N 87°17'W



P.M.

Pack X 16 Sta 1 - Focus on Sta 2

Using 6°10' L set Hut on line 116 in

True course = S 87°17'E

See Plot Page 5

Set vernier @ S 87°17'E US

Revised Course of Blueprint at Dam

Focus S 87°17'E on line 116 in

SW Cor Post of fence bears

S 6°50'E FT Fence

ex line W or Wly 50 ft +- To
Gull Lake

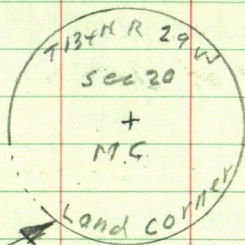
Cross fence line N 10°E 100

Lake line W or Wly 60 ft +-

Sharp slope Bank 40 ft Hi

26

Ties to MC - CM 7" top, 12" base
8" above ground on lip of bank
3" brass or copper plate



Outside top of mud Roys

"For Further Information Address
U.S. Engineer Office St Paul Minn"

Ties

20" Red Oak 14 85° 40' E 58.50
Ft

24" W Pine S 11° 45' E 75.4

To spot at base via Slope 8 ft down
Turned from true line - E
S 87° 17' E

Run S 87° 17' E 150 ft + -
Set 1x60" brick stake on
line line

PIKE Bay

27

From MC BS S $87^{\circ}17'E$

Run S $29^{\circ}25'E$ @ 198.7 Hub 20' nail

20' pin $300 + 41.10 = 341.10$ Hub

20' nail on sand Beach

10 ft from water Dock

4 ft W of end of Dock

T over 198.7 Focus

S $29^{\circ}25'E$

Flag @ Iron bolt bears

S $18^{\circ}40'W$

T over 341.10 BS N $29^{\circ}25'W$

Run Over Lake

S $14^{\circ}23'E$ Rod Reads 3.30

Lath on sea wall

Home at 9 PM

\$2 du Bulb

Note: Stadia hairs

out of adjustment

Laid out on the ground

this chains 5.6 over

= 435.6 overlak to

RR spike Hub set on

the sea wall

Aug 21-1942 Friday

Rec letter from J C Nelson Farmers
State Bank Request for Survey

Also a letter from Mrs Hilda V
Hample - Seckel Resort - says

"Mr Manthey may survey his tract
Mr Anderson will be up Sat am
and to come out"

Bubs Willis and I Lu Jenkins
8 am Drive to Brainerd

Call on Louyer - Fitzpatrick wants
plot of Sharp's 400 foot strip
on Whitefish Lake

At m. shops buy 90# RRA flours
@ 14¢ per lb also 195# boiler flour
@ 1 1/2¢ per pound \$3.80

Meet Clem Ryan and Earl
Jenkins at Brainerd Ct Hs

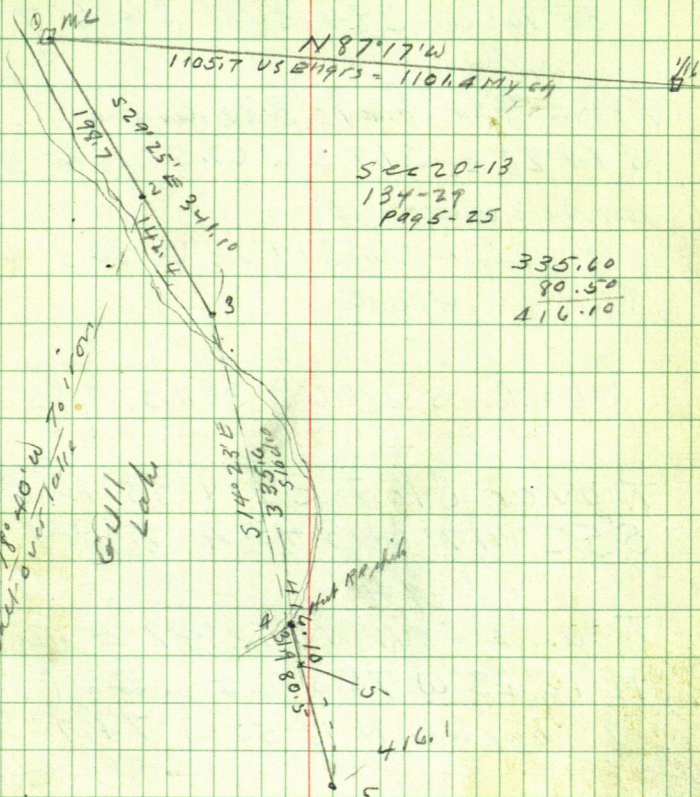
Dinner for Bubs and I at
Scatts 30¢ and 30¢ = 60¢

pm PIKE Bay

29

at Pike Bay in Gull
Meet Fred Conklin Lat 8.

Pages



30

From Sta 3 we run $14^{\circ}23'E$ 416.10 to
R.R. spike Hab under π @ Sta 6

Sta 8 BS $N 14^{\circ}23'W$ Run

S $33^{\circ}16'W$ 384.3 to Sta 6 7

From Sta 4 at 335.6 Run

S $14^{\circ}23'E$ 31.9 to 367.5 = Sta 5

on seawall

From Sta 4 Run S $14^{\circ}23'E$ 80.5 to

Sta 6 = 416.10

S 6 = Run S $33^{\circ}16'W$ 384.3 to Sta 7

π over Sta 7 BS $N 33^{\circ}16'E$ Run

S $52^{\circ}47'W$ 343.4 to Sta 8

π over Sta 8 BS $N 52^{\circ}47'E$ Run

N $12^{\circ}23'W$ 78.8 to Iron Bolt Sta 9

2" Spruce N $12^{\circ}50'W$ 74.7 = Sta 10

π over Iron Bolt Sta 9

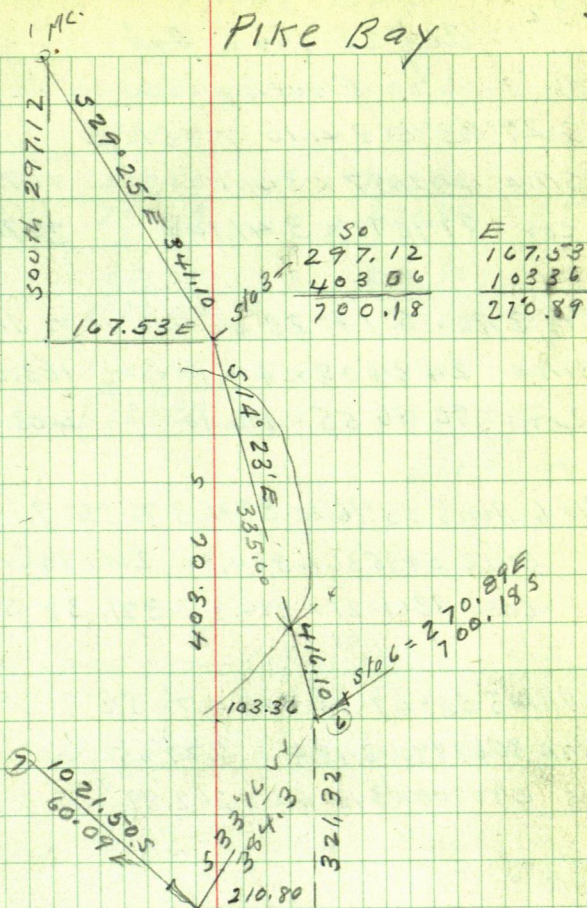
BS $12^{\circ}23'E$ Flag @ Sta 2 Bear

N $18^{\circ}40'E$ Line cuts 0.30 of a foot

R. of line 2

83. an. Biber

PIKE Bay



32

Aug 22-1942 Sat

D

Figuring

S $29^{\circ}25'E$ 341.10 To Sta 3Sine $491157 \times 341.1 = 167.53 E$ Cos $871071 \times 341.1 = 297.12 S$ Sta 3 Run S $14^{\circ}23'E$ 416.10 To Sta 6Sine $248408 \times 416.10 = 103.36 E$ Cos $968655 \times 416.10 = 403.06 S$ Sta 6 Run S $33^{\circ}16'W$ 384.3 To Sta 7Sine $548536 \times 384.3 = 210.80 W$ Cos $936127 \times 384.3 = 321.32 S$ 247Sta 7 Run S $52^{\circ}47'W$ 343.4 To Sta 8Sine $806788 \times 343.4 = 277.05 W$ Cos $590840 \times 343.4 = 202.89 S$

Pike Bay

33

	50	£	
Sta 1 -	00.00	00.00	
3	297.12	167.53	Sta 3
376-6	403.06	103.36	
Total	700.18	270.89	Sta 6
6707	321.32	210.80	
	1021.50	60.09	£
8	202.89		
	1224.39	277.05	
		60.09	
		216.96	W 8

Dinner at Jenkins PM Ruben and I
 drive to Con Lake and on to Mrs Hensle
 cottage Find my old Mrs- Carlson
 brush. Back to Jenkins 6 PM
 \$4. due Harold Willis Ruben

Aug 23-1942 Sunday

All day in Jenkins - Cold as hell
last night - McKinley calls A.M.
P.M.

Look for Bubs to help me set up my
big heater in the tent

4 P.M. Bubs and I get wood I give
him 25¢

8 A Still doc Bubs

Meet Harry Burl of Brainerd

Buys poles at Kelliher Has 6 Truck
tires he bat @ \$30. each

Pike Bay

35

$$\begin{array}{r} 335.6 \\ 31.9 \\ \hline 367.5 \end{array}$$

$$\begin{array}{r} 548536 \\ 3843 \\ \hline 1645608 \\ 2194144 \\ \hline 4388289 \\ 1645608 \\ \hline 2108023849 \end{array}$$

$$\begin{array}{r} 836127 \\ 3843 \\ \hline 2508381 \\ 3844508 \\ \hline 6689016 \\ 2508381 \\ \hline 321.3236061 \end{array}$$

$$\begin{array}{r} 59084 \\ 3434 \\ \hline 236386 \\ 17.7252 \\ 236.336 \\ \hline 177252 \\ \hline 202,894456 \end{array}$$

$$\begin{array}{r} 806788 \\ 3434 \\ \hline 3227152 \\ 2420364 \\ \hline 3227152 \\ 2420364 \\ \hline 2770509992 \end{array}$$

$$\begin{array}{r} 968655 \\ 3675 \\ \hline 4843275 \\ 6780586 \\ \hline 5811930 \\ 2905965 \\ \hline 3559807125 \end{array}$$

$$\begin{array}{r} 248408 \\ 3675 \\ \hline 1242040 \\ 1738856 \\ \hline 1490448 \\ 745224 \\ \hline 912899400K \end{array}$$

$$\begin{array}{r} 700.185 \\ 35598.5 \\ \hline 105616 \end{array}$$

$$\begin{array}{r} 270.89 \\ 91.29 \\ \hline 362.18 \end{array}$$

36

Pike Bay

Aug 24-1942 Monday

Slept in the tent Second cold night.

Harold Willis Jr "Bubs"

and I Lu Jenkins 9 AM at Gulf Lk
FiguringSta 8 N $12^{\circ}23'W$ 78.8 To Sta 9Sine $214451 \times 78.80 = 16.90 W$ Cos $976735 \times 78.80 = 76.97 N$

976735	214451
788	788
<hr/>	<hr/>
7813880	1715608
7813880	1715608
6837145	1501157
<hr/>	<hr/>
76966718	169007388

122439.5	214451
76.9711	788
<hr/>	<hr/>
1147.42	1715609
216.96 W	1715608
16.90	1501157
<hr/>	<hr/>
233.86	168987388

~~S 14° 23' E~~

S 14° 23' E

$$\sin 248408 \times 367.5 = 91.29$$

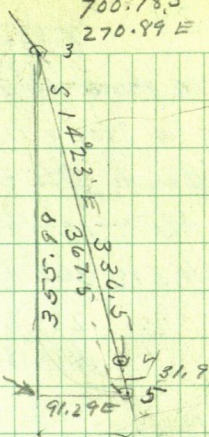
$$\cos 968655 \times 367.5 = 355.98$$

S 14° 5 is about on orig

sea wall

$$\frac{1000.56}{36218.1} \text{ So}$$

700.18.5 37
270.89 E



38

Figuring:

To find the course of the original
old stake line: evident on top of First
Bank Sta 5 is approx on pt and

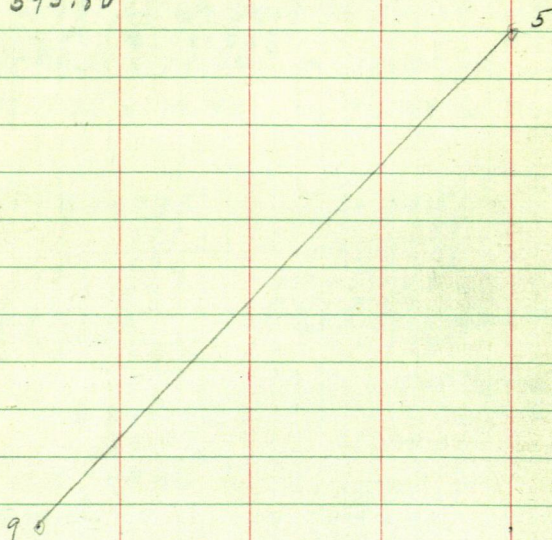
Sta 9 is the other - Sta 9 is a Fixed Pt

Sta 5 is 302.18 E

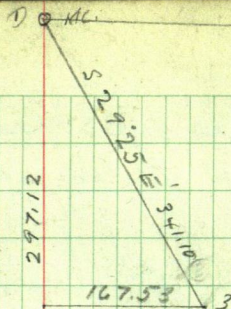
" 9 " 233.68 W

595.86

Sta



NIX



362.18 E
258.82 E

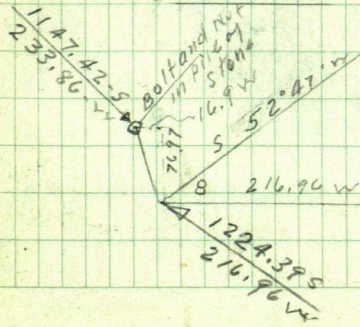
270.89

333.16 W
384.30

1021.50 - S

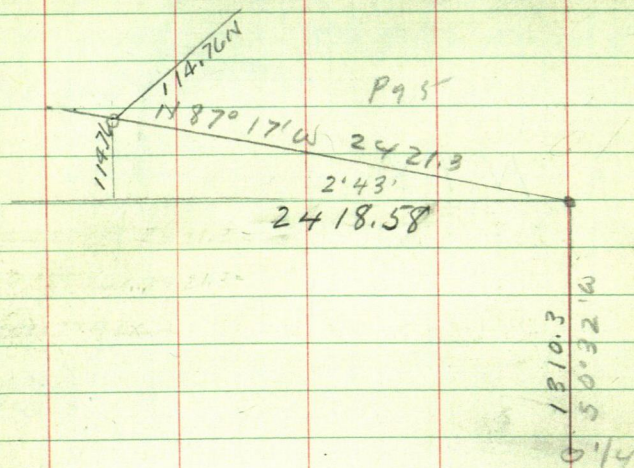
60.09

210.8



40

Over Sta 5 BS $114^{\circ}23'W$ Run
 $S 44^{\circ}54'W$ To lig the lake shore



$$\sin C 047397 \times 2421.3 = 114.76 N = MC$$

$$\cos 998876 \times 2421.3 =$$

$$\tan 047742 \times$$

$$\begin{array}{r} 998876 \\ 2421.3 \\ \hline 2996628 \\ 998876 \\ \hline 1997792 \\ 3995504 \\ \hline 1997752 \end{array}$$

$$\begin{array}{r} 047397 \\ 2421.3 \\ \hline 132191 \\ 47397 \\ \hline 94794 \\ 189588 \\ \hline 94794 \\ \hline 1147613561 \end{array}$$

42

H.E. Johnson alk

Walter Frampton ch

Steve Callins

Reino Baakkonen-

Elmer Lee Treas

East Gull Lake

Town
Board

Fred Conklin

Dr Jamison

Coril Hunters

Mrs Walker

Mrs Floan-

Levis - spalliti

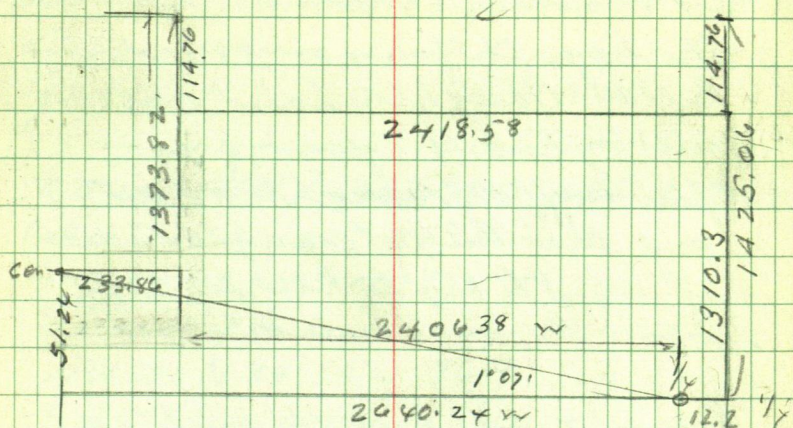
May want the
new Road
around Gull
Lake

S 0° 32' W 1310.3

Tang = $9309 \times 1310.3 = 12.20$

Nat: Some dam thing
is fishy

Either the US Engineers were
wrong in their Blue Print map
at the Dam or Frank Glass
did not divide the section when
he platled Pike Bay



$$\begin{array}{r} 1425.06 \text{ S} \\ 1373.82 \text{ S} \\ \hline 51.24 \end{array}$$

194

$$264 \overline{) 51.24}$$

264

2484

2376

1080

1056

con $91^\circ 07'$ $588^\circ 57'$

N.C.

44 Aug 24-1942 continues
Meet Mrs Walker 11-30 A.M.

She says the fence on So. side of
Bill McNaughton land was
built by herself 2 years ago--
after Buff McNaughton died
and that Bill McNaughton will
not want to try to hold the land
there

Guss I will put the center of
Sec 20 from the Plat and
let it go to hell

If I run out the whole dam
section and find the center
some place else it will screw
up the whole dam plat

Let the plat hold the center
where I have put it 28 years
ago May 7-1914. dated on plat
filed May 14-1914 by Buff
McNaughton

John A. Cais

Pike Bay

45

Now! Let's run out Dr Jamison's lat
and see where in hell the shoreline
goes

T over Sta 7 sight on sta 6 Pg 39
Run N $33^{\circ}16'E$ 12.5 to Sta 6 A

T over 6A BS N $33^{\circ}16'E$

NE COR of Ho beam N $44^{\circ}33'W$ 38.7

NW COR N $44^{\circ}33'W$ 76.9

SE COR beam N $78^{\circ}40'W$ 47

House is 26.4 x 38.4

From Sta 6A Run N $44^{\circ}33'W$ @ 76.9 + 33
35 - 37 Jamison can walk by line.

46.5

44 33

47.3

45 27

N $45^{\circ}27'E$ is the course of the East end
of Jamison Ho

Aug 28-1942

Friday

Harald Willis and I work
on Harry A Park survey in
AM. Back to Jenkins for
dinner

See Field Book No

Drive to Pike Bay

Try to get a transit line
thru small trees and
shrub without cutting
anything

Work along lake shore
in McNaughton Pike a
Public Highway

This Highway is now all
taken with lot owners who
claim it as their land

We are having a hard problem
to locate the original stake line
and the settlers are making
it harder by repeatedly
informing us that they do
not want their lots surveyed
over

and infer bath by action and words that they consider me a trespasser

A week ago I informed Dr Jamison and his neighbor Mr Fred Conklin that Mc Naughton Pike still existed as a public highway - this they laughed to scorn

Mrs Jamison informed me the first day that we worked here that the doctor did not want his land surveyed and I assured her that I was not going to survey it

Later I told Dr Jamison that the only thing I trying to do was to fit my line into the E of his building so that the survey he claimed to have had made would not disturb the line he had had established and was using the location of his building as a base to work

from to establish lines on adjoining
tracts that I had been employed
to survey and ordered to survey
is a public officer is County-
Surveyor of Cass County
Minnesota

As Mr. Clyde Parker has
employed me to stick out and
monument his lots - I am
working with the greatest care

Today: Aug 28-1942

Mrs. Fred Conklin again informs
me that her husband does not want
his lots surveyed and I again
assure her that I have no
intention of surveying her lots
but that I am surveying
among other tracts the lots
owned by Clyde Parker

She promptly informs me
that Mr. Parker denies having
ordered his survey

that her husband claims that
Mr. Parker did not employ me
to survey his lots

After lying in vain to convince her that I have been employed by Mr Parker to have his lots surveyed I inform her that it matters not whether Mr Parker wants his survey that I am surveying tracts in this plat other than Dr Jamison or her husband and have been employed to survey adjoining lands not platted

As I am carrying a heavy mental load lying to get head or tail to some of these tracts and have already spent an extra hundred dollars or two, to gather with my own time all because of the attitude of the settlers. with no co-operation

I inform Mrs Conklin that I am a public officer in the discharge of my official duties forced to go ahead with this work and that if I get any further interference that

Pike Bay

51

I will have them all arrested
and brought into court

I again inform her that I am
standing in McNaughton Pike
a public Highway

Going a hundred feet
So I meet Mrs Wells who says
she will move some of her wet
washing to let me thru

But to be careful not to disturb
anything and so on

I tell Mrs Wells about the
same thing that I have told
Mrs Conklin and add that
I would rather tell it to their
husbands and that I intended
to tell it to them and not
to their wives

Butt and I find a peak hole
300 ft long thro the line along
the lake shore from line to 20
feet from the water all in
McNaughton Pike

T over Iron ball - BS

N $18^{\circ}40'E$ Page 29

Ex level this line S $18^{\circ}40'W$

18.8 ft to an intersection
without Peak Hole

T over PI BS N $18^{\circ}40'E$

Peak Hole runs N

From Iron ball - a 2"

$1\frac{1}{2}$ to 2" spurs sets 4 ft so
and 3 inches East

From Iron ball a 2"

spur wears S $37^{\circ}10'W$

89.75 To point where it
goes into the ground

T still over Iron ball

Focus S: Turn $44^{\circ}48'E$ our
line cut 2.60 ft of
spur

This would give is 0.35
of a foot over length
between where Dr Jamison
diacts would be.

From Iron Ball - we run
South $126.4 + 4 ft =$
 $\frac{4}{130.4}$

being 126.4 from the 2' Spruce tree
which Baff McNaughton
set for the corner of his Lot
A

From Iron Ball Fences South
Turn $44'48''$ L and run
S $44'48''$ E up big hill
2.60 L left of line line

From PI BSN $18'40''$ E
Hole three lines bear

N $47'32''$ E IP is + 14.25

54

8960

4732

4448

4512

4512

220

Run N 45°12' E Lin. pines
5.3 R of small 2" spm
N 45°1,

Miss Ruth
and Mrs Fannie

Declare the 2" spm is
the line lot corner

Sept 14 - 1942 Planning at Walker

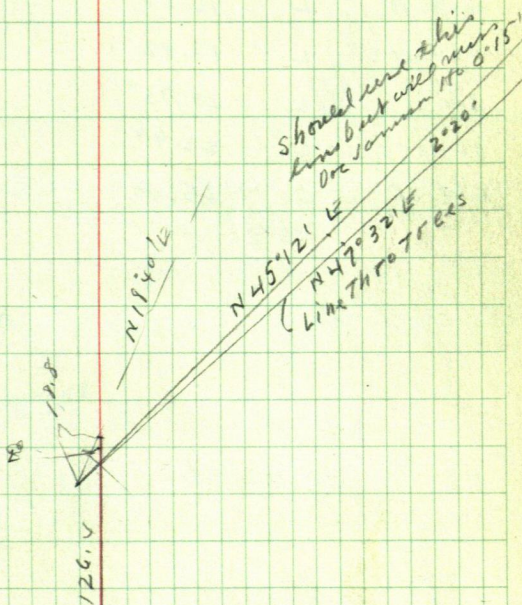
15 " Same See Detail Sketch

We will have to use the small spurs
2" in as the corner I guess to fit
the foul survey or Jamison has?

Note: I think 0' 15" would clear it
all up $\text{Tang} = 004.363 \times 200 = 0.87 \text{ in } 200$

$$\begin{array}{r} 47^{\circ} 32' \\ 45 \quad 12 \\ \hline 2 \quad 20 \end{array}$$

$$\text{Tang} = 038416$$



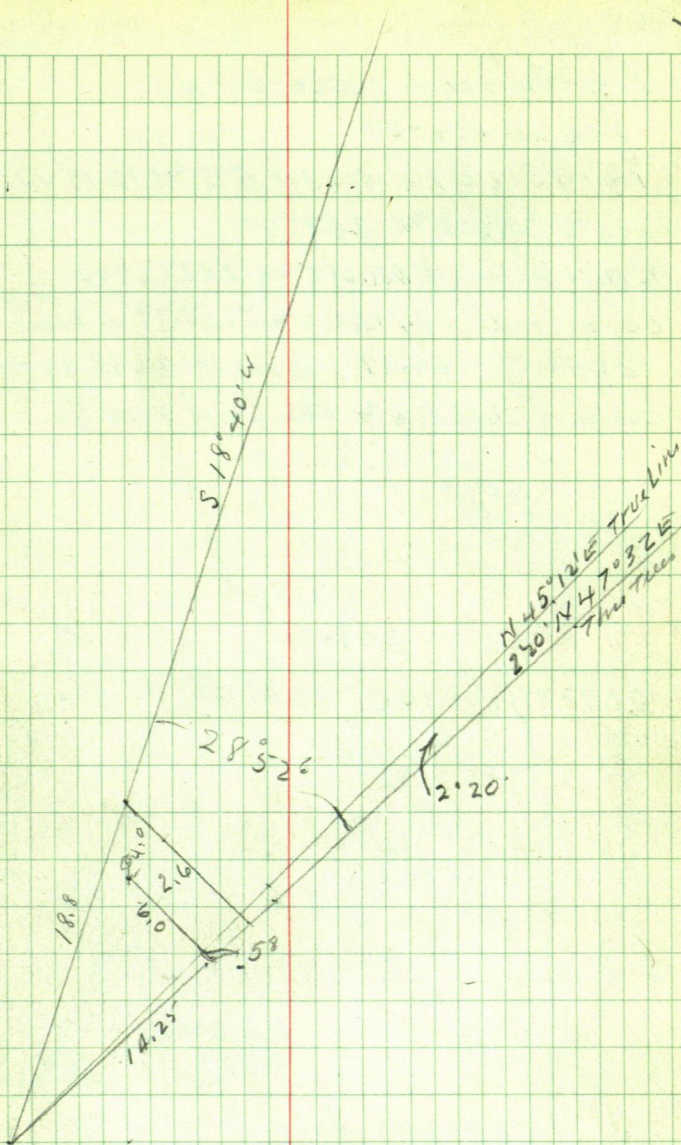
56

add 2.04 each 5' all

$$N 45^{\circ}12' + 2^{\circ}20' = 47^{\circ}32'$$

$$2^{\circ}20' \text{ Tang} = 0.40747$$

14.25	gals L	0.58
64.25	" L	2.62
114.25	" L	4.66
164.25	" L	6.69
214.25	" L	8.73
264.25	" L	10.77
314.25	" L	12.80
364.25	" L	14.84
414.25	" L	16.88
464.25	" L	18.92
514.25	" L	20.95
564.25	" L	22.99
614.25	" L	25.03



Figuring From NE corner of

Sec 20-134-29

$\frac{1}{16}$ on Sec Line is 1310.5 S. and 12.19 W.

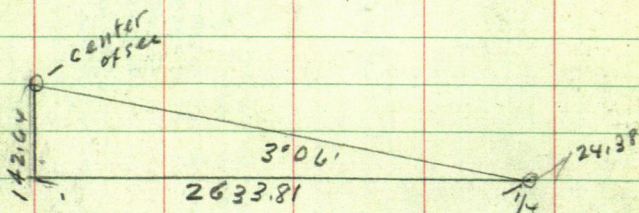
$\frac{1}{4}$ is 2021.00 S. and 24.38 W.

NE corner $\frac{1}{16}$ Line 1195.68 S. and 2427.69 W.

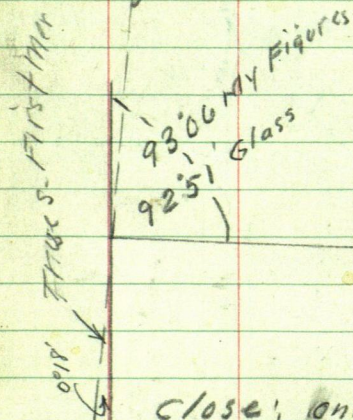
cen of Sec 20 is 2478.36 S. and 2658.19 W. From NE sec cor.

2658.19 - 24.38 Leaves it 2633.81 W. of $\frac{1}{4}$ or

center is 2633.81 W. and 142.64 N. From $\frac{1}{4}$



$$2633.81 / 142.64 = 0.5415728 = 3^{\circ} 06'$$



$$\begin{array}{r} 92.66 \\ 92.51 \\ \hline 15 \end{array}$$

close, only $0^{\circ} 15'$ diff

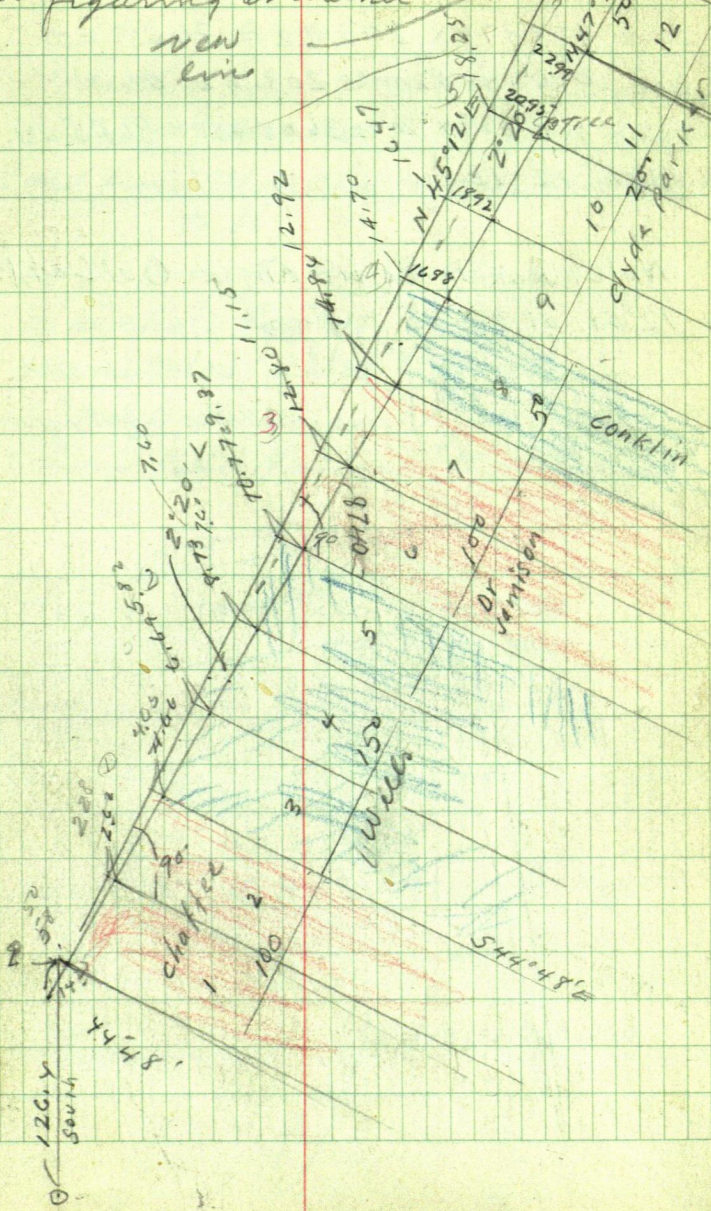
$$0^{\circ} 15' \text{ Tang} = 0.4363 \times 2633.81 = 11.49 \text{ Feet}$$

mine is OK if the dam or Blue Print is O.K.?

Sept 15-1942
Still figuring at Walker
non
line

59
181

Random (59)



Pike Bay

10°13'

$$\text{Sine } 177371 \times 203.22 = 36.05 \text{ or}$$

$$\text{Cor } 984144 \times 200 = 203.22 \text{ or}$$

$$\text{Tang } 180229 \times 200 = 36.05 + 50 = 86.05 \text{ or}$$

Lats 12-13

Note: Look up the NE Angle Out Lat 1.

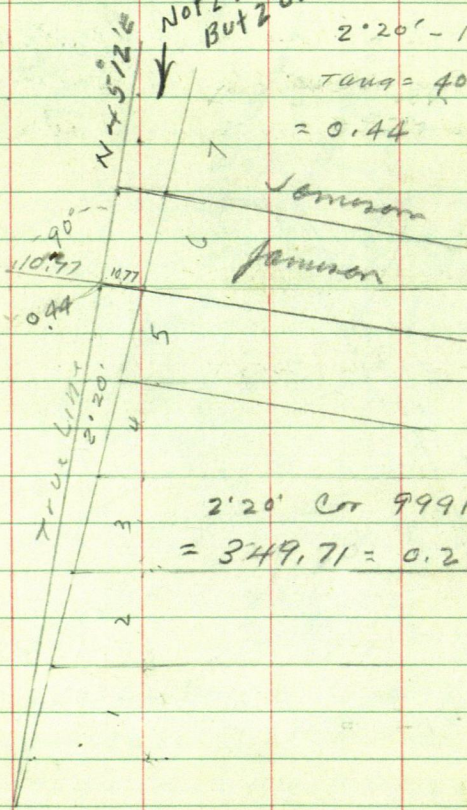
92°51' or 92°15'

Not 2°20'
But 2°02'

$$2.20' - 10.77$$

$$\text{Tang} = 407 \times 10.77$$

$$= 0.44$$



$$2.20' \text{ Cor } 99917 \times 350$$

$$= 349.71 = 0.29 \text{ short}$$

Sept 16-1942 Wed

still at CHo

Martha and Doris at Jenkins
since 13th Sunday

Card from Martha - wants her coat
To do

1. See DeLury to Pequot Bank
2. Martha's Coat
3. Have Mail sent to Jenkins
4. Sharp-Hudson Plat. Fitzpatrick
5. Send Bill Pullger \$15 statement

PM

Drive to Jenkins Callon

sleep in the link

John W. Curo

Sept 17-1942 At Jenkins
Up @ 7 AM. Cold - Rain last
night Drive to Pine River

Haaland cannot pay the
\$15 bal he owes

Call again on
no money - Call Rutger Resort
from Ryans Office

Bill Rutger says O.K. come out
at Rutgers Bill pays me
Ch \$15 in full

Dinner at Jenkins with
Doris and Martha

PM

1-08 pick up Hank Swarts
and drive to Pike Bay - Cloudy

Turn over 20' spike in line
with Dr Jamison NW side of No
135 S 47° 32' W

House wall bears about S 44 1/2° E
My line plows into an inch of the
wall. Cant tell

π over spike on W Line of Dr
 Jamison float at sharp
 edge of grass roots of
 Conklin Lat $BS S 47^{\circ} 32' W$
 on random True $92^{\circ} 20' L$
 Run $S 44^{\circ} 48' E @ 141$ old stake
 sets 2.30 L Transit Telescope
 Line cuts 0.10 of foot L & ft
 "So" on Tap of Cement Cast
 in a wash tub Turned
 bottom side up Iron Ring in
 Cen of Wash Tub Cement is 0.80
 12 ft from outer edge Low
 sea wall and 16.25 W of
 spike under π to Ring in
 Cen of Cement

Rain shade at 4.12
 Grass roots run $S 46^{\circ} E 75'$
 ft from Cen Blech

From Temp SW Cor
 So spike ch E by So line
 Decs Lat @
 @ 50.17 From π Hub in flower bed
 49.6 from Cen H's
 Auto 52.70 8 Harry's table

64 Sept 18-1942

All day in Jenkins \$1.55 Toward
Sporrils Truck moved Cook stove
and tables into Haralds Hq.

Rain 48 hour +-

Sept

Sept 19-1942

up early - 7 am. Cloudy - Martha
and Doris still sleeping I sat
at Lowson 30°

8 am pick up Babo Willis
and we finish setting up my
Cook stove then drive to

Buy milk and cookies at
Mahlum store then on to

Pike Bay

Cold NW Wind

Figuring Dr Samson hours

Pg 63-

50.7 in 0.40 = 8.0° 27'

Run over 20' up to 50 ft from &
west end Dr Jamison Ho
BS S 27° 32' W Run

S 44° 30' E parallel to & Ho
passing thro pocket in flower
bed & actly 50 ft from & Ho
SE angle read 92° 02'

Note:

We are lying left the god dam
line into the center of much more
god dam house. So we change our
base 2° 20' Page 55-59 and 60

So we figure again

2° 02' Tang = 0.35503

NIX

* 14.25 gals	L	0.50 + 6.1 = 6.60	
64.25 "	"	1.77 + 50 = 2.28 + 6.60 =	
114.25 "	"	3.55 + 50 = 4.05	
164.25 "	"	5.32 + 50 = 5.82	
214.25 "	"	7.10 + 50 = 7.60	
264.25 "	"	8.87 + 50 = 9.37	Dr Jamison So Lin
✓ 314.25 "	"	10.65 + 50 = 11.15	
364.25 "	"	12.42 + 50 = 12.92	Dr Jam N Lin
✓ 414.25 "	"	14.20 + 50 = 14.70	
464.25 "	"	15.97 + 50 = 16.47	
514.25 "	"	17.75 + 50 = 18.25	

66

Figuring Random

2°02' Cor = 999370

99937 / 600 =

We're clearing our random and
give each 50 ft 0.03 of foot

About 3 PM Dr. Jannerson
comes out and says old
Cement Work lab is not her
corner

Then over river Back
B S ~~44°40'18"E~~ 18'40"E 1929
Run South then 0'18" R
and Call that

South for then Lot
Line Cut 0.25 of a foot
West of 8 small 1 1/2" square
Set flag for South
Set Verner @ 00 and
focus on peak of hill
44°48' L

and run @ 90° to lot line
S 44°48' E

Line Cut @ 2.25 L

Ch S 44°48' E

C 8.4 : Cut 2.25 L

6.12

Wären H. Freeman - 5.66 aces of Lot 7. Sec 20-134-29

Arthur L. Roberts Hotel Car

Book 71 of Records page 527

Warren H¹⁰ Freeman June 15-1956-

lying Northwest of a
Line

Warren H. Freeman June 15 - 1955 -
 That part of Govt Lot 7 Sec 20 - 134 - 29 described as follows
 beginning at a concrete monument on the shore of Hull Lake
 which lies 1069.5 ft west and 809.9 ft North of the SE
 corner of said Lot 1, (using the south line of said Lot 7 as
 a true E & W line) thence N 37° E to the North line of said
 Lot 7 - containing approx. 5.66 acres together with
 an easement running with the premises hereby conveyed
 over and across Lot 1 of Sec. 29 of said Twp & Range
 described in Book 70 of Deeds on page 71.

$$\begin{array}{r} 900 \\ 23.15 \\ \hline 876.85 \end{array}$$

1292.75
294.80

005236
004945
10181
005090

1292.75
 294.8
 1587.55
 3607.55
 5195.10
 1134
 5308.50

3687.55
 1587.55
 5193.1
 3687.55
 1587.55
 5193.1
 1292.75
 1587.75
 4607.25
 1587.75
 5193.1

11342
466725
158775
129275

New Meridian $0^{\circ}18'17''$
 of TRUE N FROM IRON PIN
 TRUE COR N and W
 of $1\frac{1}{2}''$ spike N

$S 44^{\circ}48' E$ New Meridian
 $= S 44^{\circ}30' E$ TRUE COURSE

C63.25 spike LOD on line Lini

@ 71 & Road NE SW

@ 87 Hut Front of hill Pth for Zm
~~to~~ to @ 100 ft for Zm in

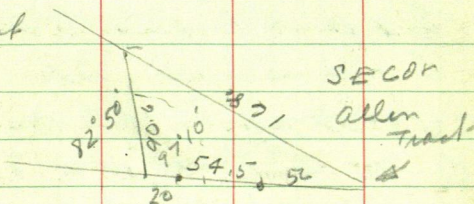
Bell Hill $+ 94.7 = 194.7$ slake
 on lip set Hut E of slake
 on hill

Back to Jenkins - 8 - I move
 blankets and sleep on floor
 First night at Harold's House

68 Sept 20 - 1942 Sunday

10 AM - Bubs Willis and I drive to
Allen tract. Andrew J. Anderson
pays me \$175.00 in full & fix his Plat

J. J. Allen tract



Copied in Field Book #

\$2. To Bubs Bal due him \$2.

No dinner.

4 PM - Bubs and I make new
road at Harold's House

Move Martha's Iron cat to Harold's
Ho Bubs sleeps with me

Jahnu Cui

Sept 21-1942 Monday

up a 7-30 Rain-

Bat and I have no cooking utensils
Drive half a mile to Jenkins
Martha and Doris all dressed to
Lake Bar to Beaune

Doris still snuggly - Martha

Backs her up - partly.

I shave - get clean shirt
and beat it back to Haralabs H.

We need

Mirror - Toilet Paper - Scouring
soap - grocer.

My Back hurts - Must get to
a doctor - Hurry to get work done
to pay Hospital bills - \$5 to Martha
\$10. left.

And now for the plat of Pike Bay
New Meridian 0°18' R.

See Plat.

Buy Buns - Salt Buns - sausage & Pigat

On Pike Bay 10 am - Raining

Get Bill McNaughton and
Cabin Key - Build fire in stove
Rain continues I take Bill
home - Eggs from Farmer 40 - we
cook the 12 eggs in heater

2 PM eat our lunch

93°06' NE

See Page 58.

9266

18

9248

92 51

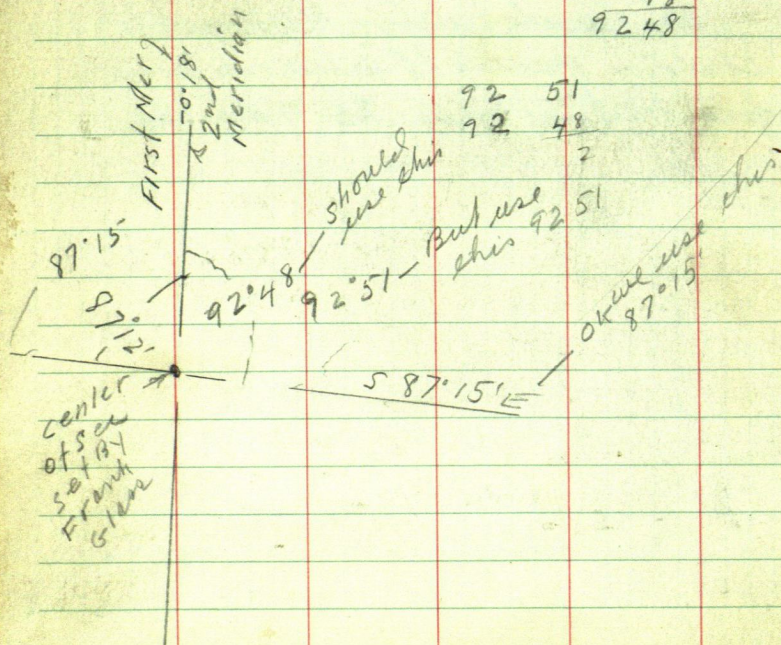
92 48

2

92 51

87°15'

S 87°15' E



Ties to Center of Sec 20-134-29
 NP 20 N $46^{\circ}40'E$ 45.45

crooked NP 15 N $0^{\circ}40'E$ - 80.45 FL

8" Red Oak (in line) N $0^{\circ}40'E$ 50.00

Red Oak 9 N 57° VY 44.95

WB 8 S $25^{\circ}40'W$ 10.00

JP 9 S $73^{\circ}15'E$ 17.8

N $87^{\circ}15'W$ along E Sec 20

Run 168.9 to Hub on W Bank of

Original Bank @ 170 Hub

Run 170 BS $S 87^{\circ}15'E$

Shou line runs $N 54^{\circ}15'E$ an

$S 54^{\circ}15'W$

NE angle $38^{\circ}30'$

BS $S 87^{\circ}15'E$ Run

Fence

Run 170 BS $S 87^{\circ}15'E$

West end of fence N $7^{\circ}20'E$ 25.1

E end of gate - $S 57^{\circ}20'E$

80.3 EX level line

28 N E to W. wheel leads

Fence line Left 1615

Length of extension 29.7

Bubs and I home 8 PM - get dishes at

Hub. Martha and Doris did not return on
 night bus.

sept 21-1942 continued
 Bubbs and I pass the Bar
 from Nisswa - pass it at Pegquet
 Martha and Doris did not
 come -

At Jenkins we find the
 toaster still on where Martha
 or Doris left it

My key fits and we turn
 it off

Bubbs gets some dishes at
 his home - I buy dishes and
 grub at Lowsons \$2.38

Then more

We sleep at Harald's House
 2°45'

$$\text{Sine } 047978 \times 170 = 8.16 \text{ N}$$

$$\text{Cor } .998848 \times 170 = 169.80$$

$$\text{Tang } 048033 \times 169.80 = 8.16$$

$$\text{COT } 20.818828 \times 169.8 = 353.50$$

=

Bubs. - Hol Willis Jr 12" and I L
Harold's House in Jenkins 10-35
and drive to Gull Lake

TOVER MC on E shore of Gull
where E-W & cuts the general
ong. shore - 20 ft from water

BS S 87° 15' E (New Meridian) Run
S 35° E Angle

Ties to MC 170' west of center

6" JP N 89° E S 89° E 10.3

8" JP S 11° E 5.9 (6.10)

Stake on New Sand ridge

2 ft wide - 2 ft high

N 35° W 18.00

Run S 35° E

@ 73 cross old road 100 ft

(102.15 R Napik Ties V12

BS N 35° W

13" JP N 10° 30' W 9.42

12" JP N 87° 30' W 27.70

S - Gal. Port N 13° E 41.3

East end of fence extension
N 48° 45' E 51.2

$$@100 + 12.6 = 112.6 \text{ RR spike } \sim$$

Q narrow road now travelled
only road here Road bears
N 45° E about 200 ft - then to the R

Q Road S 28° W 90 ft +- Then R

139.9 Continue S 35° E @ 127 foot of Hill
@ 149.90 Hit RR spike in Side Hill
+ 89.50 L 98 via slope

$$239.40 = \text{Hair } 20 \text{ ft.} = 231.60$$

Nat'l Hill 149.9 is about 10 ft
above level ground and we are
entering the downward part of
the big hill The lower part

Nat'l Hill still higher NE by
Hut 239.4 is not yet on slope

3-15 PM. in to Cabin

for lunch

Figuring -35°

Sine 5736

139.9

cos 81915

22
142110 ft

Tang 7002

$$\begin{array}{r} 1000 \\ 205 \\ \hline 7.85 \end{array}$$

76

35°

Sine 573576

Cor 819152 X 242.78 =

Tang 700208

Cot 1,428148 X 170 = 242.79 -

8 16

23463

296.39

819152) 242.790.0

1638304

78959.60

7372368

396.39

239.39

157.00

5235920

4915912

3200080

2457456

742624

396.39

239.40

4-30 PM Pack & up big hill to
 Hub - 239.4 - = 2 - small 20' spikes
 on slope continue S 35° E

239.40 + 396.39

+ 56.99

296.39

Turn over 296.39 BS N 35° W

Turn 35° R Look North

239.40 +

57.00

296.40

over line cut about 10 ft
 west of where it should be

Something wrong - we re-charge
from MC S 35° E @ 100 ft + 2.15 =

$$12 \quad 102.15 + 39.9 =$$

$$\begin{array}{r} 39.9 \\ \hline 105 \end{array}$$

$$139.40$$

$$102.20 \text{ Hub} - 39.9$$

$$\begin{array}{r} 39.90 \\ \hline \end{array}$$

$$142.10 + 89.50$$

$$\begin{array}{r} 89.50 \\ \hline \end{array}$$

$$231.60 +$$

$$\begin{array}{r} 57 \\ \hline \end{array}$$

$$288.60$$

$$\begin{array}{r} 7.80 \\ \hline \end{array}$$

$$296.40$$

$$139.9$$

$$2.20$$

$$142.1$$

231.60 Hub under π on To - Hub

$$\text{NW} \quad \begin{array}{r} 7.80 \\ \hline \end{array}$$

$$239.40$$

$$296.40$$

$$\begin{array}{r} 288.60 \\ \hline \end{array}$$

$$7.80$$

$$102.20$$

$$\begin{array}{r} 39.90 \\ \hline \end{array}$$

$$142.10 \text{ in side hole}$$

$$\begin{array}{r} 89.50 \\ \hline \end{array}$$

$$231.60 \text{ Hub}$$

$$\begin{array}{r} 57.00 \\ \hline \end{array}$$

$$288.60 \pi$$

$$102.20$$

$$\begin{array}{r} 39.90 \\ \hline \end{array}$$

$$142.10$$

$$57$$

$$296.40$$

$$\begin{array}{r} 57 \\ \hline \end{array}$$

$$102.20 + 253.4$$

$$\begin{array}{r} 39.9 \\ \hline \end{array}$$

$$142.10$$

$$\begin{array}{r} 89.50 \\ \hline \end{array}$$

$$231.60$$

$$396.39$$

$$\begin{array}{r} 231.57 \\ \hline \end{array}$$

$$64.80$$

$$64.80$$

$$\begin{array}{r} 57.00 \\ \hline \end{array}$$

$$\begin{array}{r} 7.80 \\ \hline \end{array}$$

78

From Hat under Ron Top
 Mhd 296.40 But is 7.80 short
 and is at 288.60 we chain
 S 35° E 7.80 to 296.40

Chain North 234.8 to Can

Chain to ridge Out Lot 1.
 East up Big Hill 110 via slope
 102.8 pm + 36.0
 102.8
 138.8 pm at

Ridge dead up on top

2°45'

Sine	047978 x	170.	=	8.16
cos	998848 x	170.	=	169.80
Tang	048033 x	169.8	=	

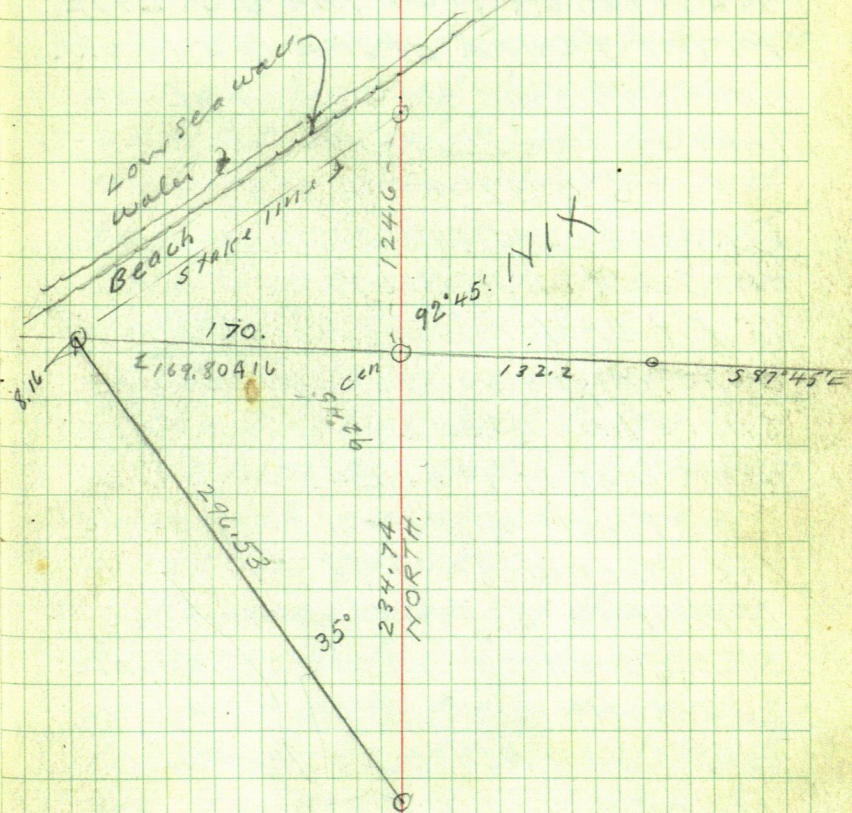
35°00'

Sine	573576 x		
cos	819152 in	242.9 =	
Tang	700208 x		
cot	1.428148 x	169.80 =	242.90 - 8.16 = 234.74

Sept 23-1942 Wed

Bubs goes back to school
Dorin and I get wood.

P.M. I go to Walker. I get
\$37.50 in full, from Florence O.
Padgett in his letter of the 15th
Nov.



80

Sept 24-1942 Thurs

Cold N-wind - \$5 to Shells

\$4.65 Tax and deed record - Remer

\$3. Tire -

Figuring

Note: Meridian For Prelim-inary survey, based on NE Corner of Sec 20-134-29

was taken from the U.S. Blue Print found at the Gull Lake Dam; this B.P. showed the East line of Sec 20. to run

S $0^{\circ}32'W$. Half a mile

O.K. we used this all the way thro and up to the time we tried to fit Dr Jamison's house into a 90° angle with the probable shore line used by Frank Glass in his plot of Pike Bay

Then we had to change the Meridian $0^{\circ}18'P$.

to fit the \angle of that dam house of Doc Jamison's to save a probable Law suit. Doc insisted that the whole dam house was "exactly on the \angle "

Doc and the rest of his fool-
neighbors, instead of helping
as they should - with at least a
small part of the expense

Humped their back - pulled in
their dam necks and not only
refused to pay their share, but

Threw a monkey wrench
into the works - Sneers - threats
and all kinds of interference
until I threatened to have
the whole dam outfit jailed
for interfering with a public
Officer in the discharge of his
duties

Fred Conklin even went to
Clyde Parker and tried to
have him say that he, Parker
had NOT employed me to
make his survey

Parker better not deny that
he agreed fair and square to
pay me a lousy fifty dollars
for the survey of his Lots 9 to 16
inc On August 17-1942 P.M. Pg 14

When in hell or how in hell
did they plan to ever locate their
Lot lines or corners

To simply consider them all
liars when they claimed to
"know" where their Lots were
would not begin to express
the character of those people
and to give the impression with
the shrug of their shoulders
that they were satisfied was
at least acting a lie

And their refusal to co-op-
erate was harder on me than
their refusal to pay a dam cent

I did not care a dam for
their money-- and I cannot
bring myself to believe that they
really cared for the money
"Ten dollars a lot" their
survey cost me many times
that-- I only wanted to help
them and they Refused to
Co-operate

Money: Could it possibly have been the money, they were thinking about? No - Surely not the few lousy dollars -- they couldn't fall that low --- and yet -- if I thought it was the money - I would lose all faith in the human race.

If it was the money, their names should be tramped in the dust

And to think: I was only trying to be "big hearted" and help them

No wonder there is a war!

Here are some people who may be able to explain:

Doc Jamison

Fred Conklin

and maybe their wives

Wells was willing, but Bill Bane, his lawyer foolishly advised him not to survey

Later: I will see what Clyde Parker has to say

Anyhow, I had to change my Meridian to 18' R. at Doc Jamison's
Page 59.

84

Figuring

$$35^\circ \text{ Cot} = 1.428148 \times 169.79 = 242.49$$

$$- 8.45 = 234.04$$

$$35^\circ \text{ Tang} = 7$$

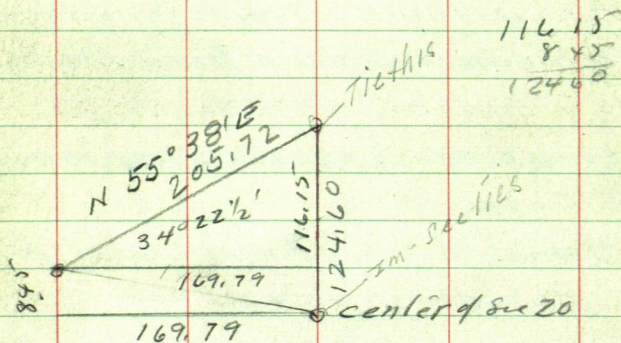
Tang 700 208

Sine 573576x

$819152 \times 295.93 =$

$$819152) 242.49 = (\cancel{295.93} \quad 294.03$$

$$819152 \times 296.03 = 242.49 \text{ OK}$$



$$169.79) 116.15 = (= 068408 = 34^{\circ} 22' \frac{1}{2})$$

$$34^{\circ}22' \cos = 825442, 169.79 (-205.70)$$

34'23'Cr 825278) 169.79 = 205.74

Sept 25-1942 Friday.

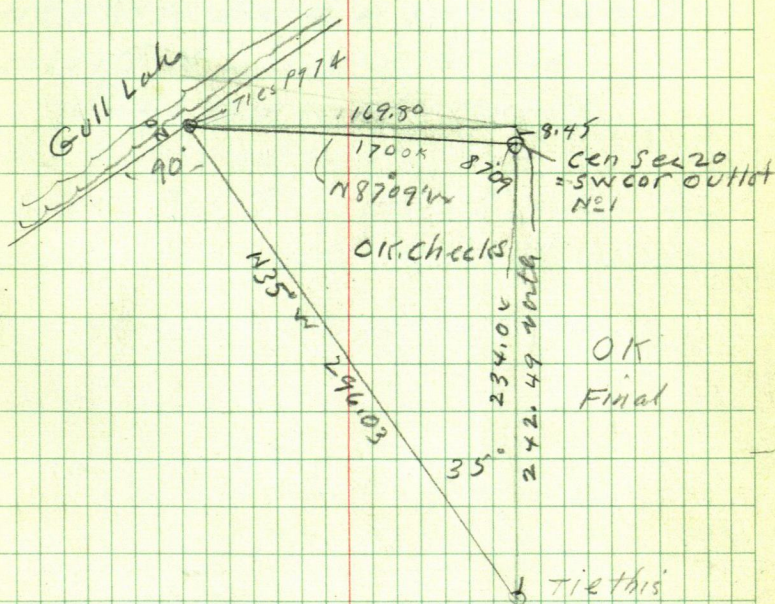
at Walker-Platting

Who Owns NW $\frac{1}{4}$ SE $\frac{1}{4}$ - 20-134-29

Gull Lake Shores Inc 40

SW SE " " = Lot 6 14, 25

Sept 29-42



86

McNaughton

Oct 17-1942 Sat

See Field Book --- Babr Willis '12"
and I to Pontö. Mildred - Jenkins
\$2 To Babr Baldwin³⁷

Sunday

Oct 18-1942 - 10-30 AM pick up Bubs
 write in on Gull Lake 11-30 Talk with
 Fred Conklin & run & see 20 BS North
 Turn NW $N 87^{\circ} 09' W$ My IM sets $N 87^{\circ} 15' W$

0.6 0.06' Tang = 001745

IM should go 0.30 ft R.

$\begin{array}{r} 12.213 \\ 17.75 \\ \hline 29.963 \end{array}$

OK set this IM 0.30 R

$N 87^{\circ} 09' W$ Ret & $N 87^{\circ} 09' W$ cut

0.20 off the N side of - " NP

Walk $S 35^{\circ} E$ on top of Rip hill

Set IM 2x20' pipe - 1 ft sh

Baldern Bubs 88. Home to Senhans Lab

Pike Bay

Oct 19 + 942 Monday - Martha and I to
 Peguot 82 to Dr Ayers - I take 1st shot
 for water - slow up dinner at Senheim
 84 25 16 Leovvolder for Pump point
 for Paddock Ho at Walker

Martha & I over nite at Walker
 Call on Caroline Johanson at
 State San I file my Election
 Return with Co Auditor Can Co Union
 Sta

Figuring

1 = North Cor Qullaf #1 = 0.0 Ru.

1 South 124.6 To S 6 2

2 Ru S 87°09'E 132.2 To S 6 3

Since $998763 \times 132.2 = 132.04 E$

Cor $049721 \times 132.2 = 6.57 + 124.6 = 131.175$

S 6 2 S 44°48'E 187.4

Since $704634 \times 187.4 = 132.04 E$

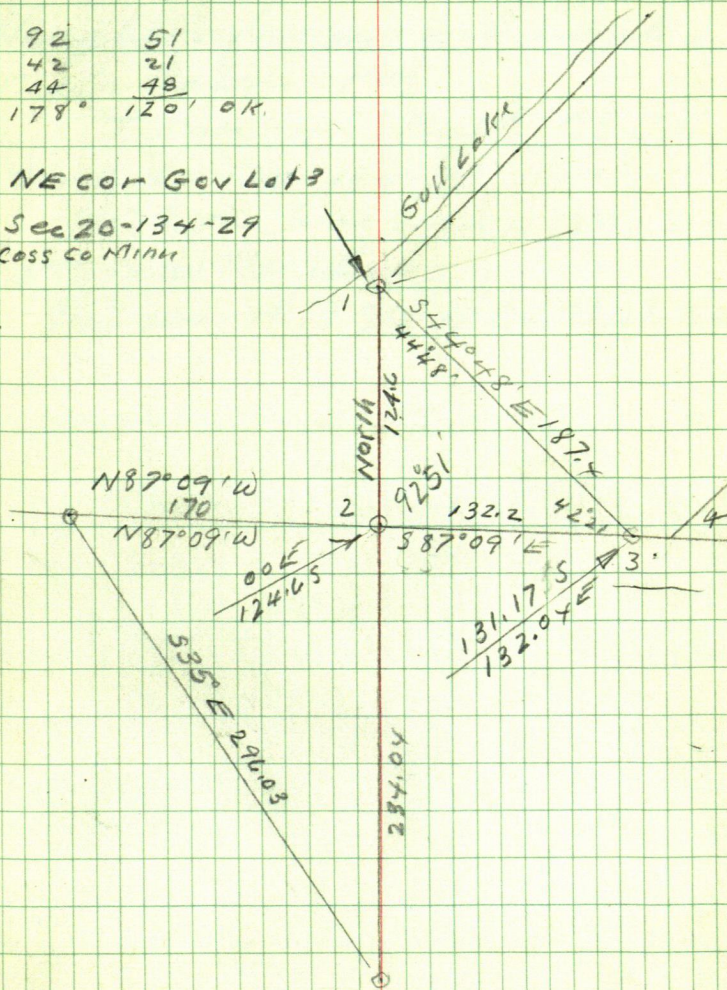
Cor $709571 \times 187.4 = 132.975$

Oct 20-1942 Tues: Atch Ho, Curley
Gamach caller Figuring &
Outlay #1.

92	51
42	21
44	<u>48</u>
178°	120' OK

NE COR Gov Lot 3

See 20-134-29
Coss Co Miner



Oct 24-1942

See Page 65

Bats Willis 12' and I Ld

Jenkins 11 AM. Call on Bill Mc
Naughton for key - Eat lunch in
Bills Cabin PM

T over Iron Balt BS Son
Im & See 20-134-29

Slo 2 over lake bears N $18^{\circ}40'E +$
 $0^{\circ}18$ New Meridian

Slo 2 bears N $18^{\circ}22'E$ OK. Check P 29

92

Correction

45
9959 $2^{\circ}02' \text{ Tang} = 0.355$ $14.25 \text{ goes W } 0.5 + 6.1 = 6.60$ $50 \quad " \quad 1.77 + 6.10 = 7.87$ $100 \quad " \quad 3.55 + 50 = 4.05 + 6.1 = 10.15$ $150 \quad " \quad 5.32 + 50 = 5.82 + 6.10 = 11.92$ $200 \quad " \quad 7.10 + 50 = 7.60 + 6.1 = 13.70$ $250 \quad " \quad 8.87 + 50 = 9.27 + 6.1 = 15.37 \text{ OK}$ $300 \quad " \quad 10.65 + 50 = 11.15 + 6.1 = 17.25$ $0 \text{ goes W } 6.65$ $50 \quad " \quad 1.77 + 6.65 = 8.42 \text{ OK}$ $100 \quad " \quad 3.55 + 6.65 = 10.20 \text{ OK}$ $150 \quad " \quad 5.32 + 6.65 = 11.97 \text{ OK}$ $200 \quad " \quad 7.10 + 6.65 = 13.75 \text{ OK}$ $250 \quad " \quad 8.87 + 6.65 = 15.52 \text{ OK}$ $300 \quad " \quad 10.65 + 6.65 = 17.30 \text{ mean}$ $350 \quad " \quad 12.43 + 6.65 = 19.08$ $400 \quad " \quad 14.20 + 6.65 = 20.85$ $450 \quad " \quad 15.98 + 6.65 = 22.63$ $500 \quad " \quad 17.75 + 6.65 = 24.40 \text{ L}$ $550 \quad " \quad 19.52 + 6.65 = 26.17$ $600 \quad " \quad 21.29 + 6.65 = 27.94$ 2085
15
5.5

94

October 31-1942 Sat

Bobs Willis and I Lu Jenkins

9-30 AM. Snow nearly gone

Cold West wind - Build fire in
Bill McNaughton Cabin. (I have
one key) Correction

See Page 92 - 65-59-56-

$\pi @ 499.1$ 11' 40" 12" SP on line Turn

$90^\circ L + 2^\circ 02' L$ 24.40 set 20 d spike

@ 450 on Random Turn $90^\circ + 2^\circ 02' L$

22.63 set 20 d. spike

At 250 on random we have turned

$90^\circ + 2^\circ 02' = 92^\circ 02' L$ 15.52 Doc

Jamison's SW Cor OK. set flag

at all 3 line up Ex tend

499.1 on ft NE T. Full 500

π over corrected Hat 500

BS S $45^\circ 12' W$ on line line

Turn to 500 on line Stake Line

JP 8 N $25^\circ 10' E$ 19.45 using

" 9 S $39^\circ 05' E$ ^{141° 05' N} 18.80 Stake line

" 12 N $88^\circ 23' E$ 23.60 as N

Thend @ $90^\circ E$ 15.11 R R pt for

True proper line on Lickson

Set Lat 12-13 Pick Ray

Call on Mrs Bert Heudicker

@ 2-10 PM Then drive to cabin

Cook 14 eggs

π @ Cor bet Lat: 12-13 BS

S 45° 12' W Turn 90° +

Turn 159° 34' R = 20° 26' E

and run

N 24° 46' E along lake shore

50-100-150-200-220-

250 RR spikes true corner

π still at Cor 12-13

FS N 45° 12' E Turn 90° R

To a line S 44° 48' E

Then Turn 10° 13' L

S 44° 48' E + 10° 13' =

44 48

10 13

54 61

S 55° 01' E Hit line Turn

0° 30' L and run S 54° 31' E

being 0° 30' Too far Left

But Lat 12 13

96

S 54° 31' E Random

@ 36.0 wood Hut @ 52.4 Hut

100 pin 128. wood Hut 200 pin

203.22 wood Hut

214.

Hut RR spike in

& Road

Quit at dark

Home to Jenkins

Do not call on Martha & Doris

Bert Heidicker calls in PM and

says he will be out to help us

tomorrow

Nov 1st 1942 Sunday

Lv Haralds House 10 AM

Can't find young Willis
Geo and I get stuck in snow
trying to drive to Newton Res

I pick up Hank Swartz
11-30 Find young Willis
with Doris & Martha

All 3 drive to Grace St

12-30 PM eat lunch

Figure

0.30' Tang = 608727

Correcting line bet Lat; 12-13

$36 \times 8727 = .31 R \checkmark$

$52.4 \times 8727 = .46 R$

$128 \times 87.27 = 1.12 \checkmark$

$203.22 \times 87.27 = 1.77 \checkmark$

I have lunch for all.

Eat at McNaughton Cabin

PM

Henry Swartz - Harold Willis Jr

"Bubs" and I start at 2 PM

work fort and finish after dark

Over

98

Nov 1st Sunday contd

π over N.W. Cor ~~on~~ N side of 20th
St BS S $45^{\circ}12'W$ Turn $32^{\circ}51'L$

Run N $12^{\circ}21'E$ 100. ft Set

2X20" pipe for Bert Heidecker
N.W. Cor 6 ft from water

His S.W. Cor under π is 9 ft
from water

Set iron pit all lat Cors from
8 to 16 inc

π over Hub 400 on random
Focus N $47^{\circ}14'E$ Turn

L $90^{\circ}+2^{\circ}02'$ Run

N $44^{\circ}48'W$ 20.85 - 15.00 - 5.85

Set 2X20" pipe on

Property Line

But Lats 8-9- Fred Conklin
N.W. Cor

Note: Conklin has pulled
his Floating Dock over the
point for the I'm recorded in
the plat and we are unable
to set it

82. T. Henry Swartz full
 $\frac{1}{2}$ day. Bal due Wilis \$12.

Bert Heidecker may be moving his
machs to Marine

Nov 2-42 at Jenkins
at Harald's House

Nov 3- Same

Nov 4-1942

Martha-Doris and I hunt Oil
Barrel at Pine River - Doris pays
I receive \$4 for barrel and we
leave it with Bill Day who
says he can find the stone
tomorrow

Nov 5-1942 at Harald's Ho Jenkins

Nov 6-1942 I go to Walker Slag
at Paddock Ho alone.

100

Nov 7 - 1942 Sat

LV Walker early - Touch at Jenkins
and on to Beaumont at 10.

Find Bill McNaughton at
Nolan office - We are to come back
to Nolan 17th

Miss Nolan hands me PO order
from Charles A Lethert \$35.21 17th

I sign receipt in full

Cash Chk at Citizens Bk Bldg

2-50 PM.

Find Bill McNaughton at
Nolan office. Miss Nolan gives
me Ch \$100 in full for McNaught
for Survey. Bill says I can
have old bed spring at his
Callage. I rush to bank
get Ch cashed one minute b
bank closing

Pull out for Pillager

Call on Mr & Mrs Jake De Glee
Sadie Bourne De Glee both

Dutch at Ring Ranch. 735 A

De Glee goes with me to Callages

Supper 40¢ bed \$1.00 at Galsbell

Meet Geo.

Call on Jim Beach

NOV 8-1942 Sunday

101

Pick up Sam Pearson who shows
me my old US Cars - Dinner at Pellegrini
PM

Drive to Geo gone

I pull out for Jenkins Pick up
Martha and we get the stove at
Pine River Doris sick

Night: I pay Bubbs Willis
\$12 cash in full take receipt
Sleep alone at Harold's Ho

Nov 9-1942 Monday

I do not call at Jenkins but go
to Walker at Noon

Nov 10-11-1942 still on plate at Ct Ho
sleep at Poddock Ho wood all
gone

Nov 12-1942 Thurs

I go to Coffin Lake via Remer
Meet Herb Seiffert and

Oscar Olson 3 Lk Camp. Late Dinner Remer Co
Call at Walker's Ho get Ration Bk
Work at Ct Ho

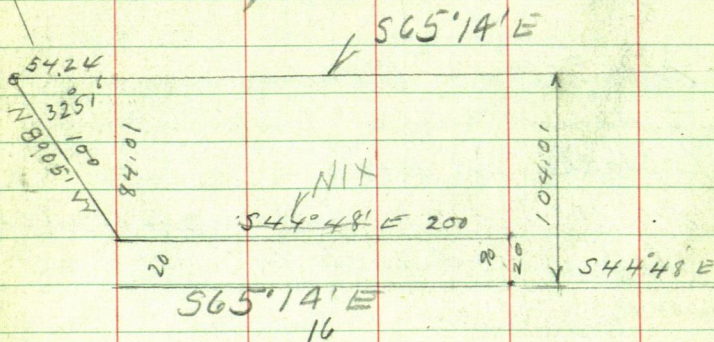
102

Nov 12 - 1942 Contd

Note: On Nov 9-1942 Ed Borstrom who has lived all his life (28 years+) at Hackensack - Called at CH

A month ago he left Valdez Alaska Gerald Curo 1st commanding officer of Military Police made out Ed's passport out of Alaska

Figuring McHoughlin Pk Bay
From W cor of 20 ft W Run NW
32° 51' L 100 ft



$$\text{Since } 542442 \times 150 = 54.24$$

$$\text{Or } 840094 \times 100 = 84.01$$

$$\text{Tang } 645692 \times 81.01 = 54.24$$

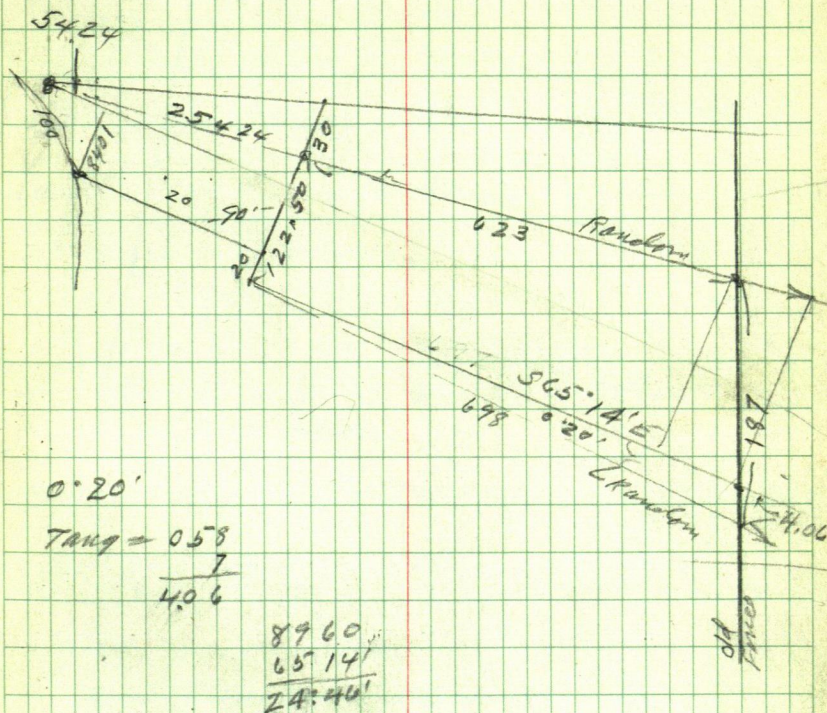
$$N 45^{\circ} 12' E - 20.26' = N 24^{\circ} 46' E -$$

$$32^{\circ} 51' L = N 8^{\circ} 05' W$$

$$\begin{array}{r} 8401 \\ 2000 \\ \hline 10401 \end{array}$$

Dec 6-1942. Friday

In Court Room Blamed Figuring



24°46'

$$\sin \times 418924 \times 187 =$$

$$\cos 908021 \times 187 =$$

$$\tan 461359$$

$$254.24) 30 = .1181 = 6^{\circ}44'$$

Jan. - ? 25) 1934 I get a call from Auditors Office Brainerd who has the call switched to Ebert of Ryan Ryan & Eberts Law Office

Ebert wants me to make a sketch of land owned to a Mr. Wells who is getting some kind of a loan on the property in lot 3 - Sec. 20 - 134 - 29 on Gull Lake.

I go to the Register of Deeds Office in Court House Walker Minn Book 83 - on page 625

Says Outlot 1 plat of Pike Bay in Sec 20 134-29 and A part of Gov't Lot 3 Sec. 20 - 134 - 29 described as follows beg. at a point where the E line of said lot 3 intersects the E shore of Gull Lake. said pt. being an IM on the shore of Gull Lake. Placed at the NW cor. of Outlot 1 of the Plat of Pike Bay as Recorded and on file in the Office of the Register of Deeds

thence South along the E line

of Gov't lot 3 a distance of 124.6 ft. to
 a 2nd I.M. placed at the SW corner of said
 Out lot 1. Which marks also the center of
 Sec 20 all as recorded in said plot of said
 Pike Bay. Thence N $87^{\circ}09'W$ 170 ft to a
 I.M. placed on the shore of Gull Lake
 thence N $55^{\circ}38'E$ 205.72 ft \pm to place
 of beg. The land herein conveyed
 extends NW westerly @ 90° to shore line
 a distance of 20 ft to the waters edge
 & contains $\frac{1}{3}$ Acre. E line lot 3 called N & S
 and.

Apart of Gov't lot 3 Sec. 20 1/4 34-29 described
 as, Starting at a point where the E line
 of lot 3 intersects the SE shore of Gull
 Lake, said point of starting is an I.M. on
 the shore of Gull Lake placed at the NW
 corner of said Out lot 1 of said Plot
 Thence S along the E line of said lot 3
 124.6 ft Center of Sec. 20 - I.M. point of beg.
 Thence N $87^{\circ}09'W$ 170 ft to an I.M. on the shore
 of Gull Lake thence S $35^{\circ}E$ 296.03' \pm to the E
 line of lot 3. Thence North on E line
 234.04' \pm to point of beg. containing $\frac{4}{100}$
 acre \pm

As Dad surveyed these two tracts and I find his sketch which helps a lot.

Wells also owns that Part of Gov't Lot 3 described in Book 106 of Deeds on Page 490 in the Office of Reg. of Deeds.

That Part of Lot 3 Sec. 20-134-29 Lying North of a line described as commencing at a marker located on the shore of Gull Lake 400 ft S W of the point where the N line of said Lot 3 intersects the lake shore at a cement marker marked NE R.G. as described in book 72 page 357 of deeds designated as the place of Reg. thence S Easterly at approx 90° to the shore line of said lake along a straight line 200 ft to a cement marker marked SE, H.H. thence due East to the E line of said Lot 3 Except the $\frac{1}{2}$ of an acre sold to McNoughton dated Oct 2-1942 in book 81 pg. 368 & Except the $\frac{4}{100}$ acre sold to McNoughton Oct 26-1942 in book 83 page 20.

I make a sketch showing the
3 tracts and a part of Plat of
Pike Bay send it to Ebert
bill for \$10

He sends me a check for the
\$10.

110 Warren H. Freeman
Gov't Lot 7 Section 20-134-29
Dec. 15th 1959

Ed - Don & I drive to
W. H. Freeman on Steamboat
bay Hull Lake

Mr. Freeman shows me his
iron mon on Hull Lk his SE
& SW corners.

We drive into Brainerd to see
Dean Anderson, he has did work
in Mc 29. And in Mc. 20
but this will not help me on
this work

Dinner in Brainerd drive
back to Gov't lot 7 Sec 20-134-29
at IM MC SW cor lot 7 with
flag on flag on cement mon
and 60' up along S 1/2
Lot 7 Vis on 90 run

N 7°52'W To IM at Freeman
SE cor. pt of beginning of
his deed

Then SE cor BS S 7°52'E on MC
SW cor lot 7. & run N 37°E
thru trees.

Deed in Book 71 page 527 Rep^{walky} 111

At still corner SE cor Freeman
tract run N $58^{\circ}30'W$ 150 ft
Then 150 BS S $58^{\circ}30'E$ & run
N $37^{\circ}E$

checking Freeman's SW cor
from MC. 966.3 ft W of SE cor
Lot 7 run N $70^{\circ}52'W$ 816.7 ft

$$\text{Sine } 1368.68 \times 816.7 = 111.78 \text{ W}$$

$$\text{Cosine } 9905.89 \times 816.7 = 809.01 \text{ N}$$

966.3

111.78

1078.08

1069.5

8.58

as the IM at Freeman's
SE cor seems to be $8\frac{1}{2}$ ft too
far west he wants it put in
the pt correct:

We go to 6" concrete Mon +
on top SE cor sec. 20 also Heat
Lot 7 - 134-29

Town corner to Sec. 20-21
28-29-134-29 take this
using S line Sec. 20 as
E & W,

a Red Oak 6 N 50° 41' W 22.9

" " 10 N 70° 50' E 24.4

" " 11 S 51° 07' E 20.35

" " 4 S 41° 53' W 23.8

to spots at base of trees

run. West on Andersons line
at 264.35 Andersons hut 40^d
spike + 232.2 hut Andersons old
hut sets 0.30 N + 135.8 (at 118^d
road) hut 40^d spike .50 S of
+ in concrete Mon.

264.35-

232.2

135.8

432.35-

³ As my measurement is 6 ft
longer than Andersons we
re chain to make run.

Dec 16th 1959

Don-Ed + I to sec. 20-134-29
 & chain from SE cor sec 20 west
 to cement monument west of road.
 We work line between SE
 cor sec 20 cement mon and
 cement mon. west of road.
 set spike on line between cement mon
 264 to hub + 233.15 = hub
233.15
 497.15 + 135.45 =
135.45
 632.60

Turn + in cement mon west
 of road set E on flag held on spike
 on true line continue line west
 + 146.9 = hub + 179.9 = hub

179.9
 326.8 + 632.6 =
632.6

969.4 W of SE cor = spike hub 0.30 N of a
 2" boiler flue pipe

Freeman's deed call for point of beginning
 1069.50 ft west + 809.9 North of
 SE corner sec 20

1069.50 W to go
 Total 969.40
 100.10

From 1069.50 W ran
 North 90° to S line Lot 7
 809.9 ft set spike for point
 where Freeman's deed calls
 for point of beg.

Then 809.9 N 135° S on pt
 1069.50 W ran N 37° E according
 to description but have set
 spike on line at edge of house

old IM 2" boiler flue sets
 S $82^\circ 07'$ W 13.3

$$\text{Sine } 137156 \times 13.3 = 1.82$$

$$\text{Cosine } 990549 \times 13.3 = 13.17$$

It still over 1069.50 W and 809.9
 N of SE cor Sec. 20-134-29
 site South and ran N $61^\circ 37'$ W
 160.50.

$$\begin{array}{r} 288^4 \\ 119 \\ \hline 288^1 \end{array} \quad 203^4$$

115

Corner 160.5 BS S 61° 37' E on flag
at point for Freeman's pt of leg,
and run N 37' E

It still at 160.5 old 2" binder line
bear S 58° 37' E 150 ft

Dec. 18th 1959

Don - Ed - Bob + I go to the SE
Corner Sec 20 - 134 - 29 as I have
taken the job to establish Freeman
West line and North line for 450
as take Bobby along as we have to
cut out the section line East line
Sec. 20.

When we get to the SE cor Sec. 20
we find the Telephone Company
has a rig cutting the Telephone
line out.

Corner SE cor sec. 20 BS west line
at 90° on flag on true South line sec 20
and run North at 144.35 hnt + 261.45

$$\begin{array}{r} 144.35 \\ 261.45 \\ \hline 405.80 \text{ hnt} \end{array} \quad \begin{array}{r} 4058 \\ + 598.85 \\ \hline 1004.65 \text{ hnt} \end{array} \quad \begin{array}{r} + 40 \quad 1004.65 + \\ 288.1 \\ \hline 1292.75 \text{ hnt} \end{array}$$

at 1045 enter sup
1245 Lr

116

300.2
2941.8

At over 12 92.75 we deflect and run
N 5° 14' W to stay in Telephone
Companies cut out line
at 40 enter up + 100 LV up

12 92.75

40

= 1332 enter up 1432 LV

12 92.75 A.P.

+ 294.80

1587.55 hub.

At over 1587.55 BS. 55° 14' E run
N. 1° 10' E

+ 103 cross wire fence + 121 & road
crossed

1587.55

+ 206.20

1793.75 hub + 200 enter up,

800

2593.75 end of Tele. Phone line cutting

76.85

2670.60 hub + 75 enter meadows

934.9

3605.50 hub 10 ft S of River
as river is about 120 ft wide
and we have only a 100 ft
chain

^{34.9}
N 89° 30' W

⁶⁶
500.1
5939

⁶⁰⁰
32.3 117
567.7

we set hut on hill and take
a stake + reading to hut

4.30 ft from T to hut on hill

3603.5

+ 430

4033.5

5939

4627.4 hut

567.7

5195.1

Tower 5195.1 BS S 1° 10' W + run
N 8° 00' W 113.42 to cor.

Tower corner BS S 8° E

MC bears N 89° 30' W 22 - ?

118
ME

NE COR SEC 20

3078 E
N 5305.42
46.56 E
5193.12 N
N 1010.10 W
3607.58

hub 1587.75
2689 W
1586.32 N

294.82 N
294.82 W
1587.75

00 W
1292.75 N

1292.75
293.57
1586.32
3606.8
5193.12
1112.3
5305.42

1292.75

200
2640 = 45

7345 E
2689 W
4656 E
1578 W
3078

530542

2640 45
2464
175

From SE corner run North 1292.75' AP
 From 1292.75' N run N 5°14' W 294.80
 to 1587.55' AP.

From 1587.55' run N 1°10' E 3607.55' to
 5195.1 AP

From 5195.1 run N 8°00' W 113.40 to corner
 From corner run N 89°30' W

North 1292.75' sta (2)

N 5°14' W 294.8

$$\text{Sine } 091212 \times 294.8 = 26.89 \text{ W}$$

$$\text{Cosine } 995832 \times 294.8 = 293.57 \text{ N}$$

$$\begin{array}{r} 1320.00 \\ 89 \\ \hline 1911 \end{array}$$

N 1°10' E 3607.55'

$$\text{Sine } .020361 \times 3607.55' = 73.45 \text{ E}$$

$$\text{Cosine } .999793 \times 3607.55' = 3606.8 \text{ N}$$

N 8°00' W 113.4

$$\text{Sine } .139173 \times 113.4 = 15.78 \text{ W}$$

$$\text{Cosine } .990268 \times 113.4 = 112.3 \text{ N}$$

N 89°30' W $\begin{array}{r} 2640 \text{ us} \\ 2441.8 \text{ my ch} \end{array}$

$$\begin{array}{r} 2640 \\ .0006793644 \times 30538 \\ \hline 1179.00 \end{array}$$

N 89°30' W 1319.11

$$\text{Sine } 999962 \times 1319.11 = 1319.06$$

$$\text{Cosine } 008727 \times 1319.11 = 11.51$$

120

00

1319.11

589.30 E

1319.06 E
11.513

5305.425

11.513

5316.93

1319.11 E

3078

134989.

5305.425

N

40.11' N

W

1323.3

3078 cor

134989 E

13233

2659

5316.935
24.59 E5316.935
1349.89 E

005001006

5316.93 / 26.59.000

5305.42 / 3078.00 = 0°20' E

N 0°20' E

sin 005818

cosine 999983 into 5305.42 = 5305.51

005818 x 1324.38 =

999983 x 1324.38 =

121

NB 9°30'W
1319.01

1151.5
1319.06E

64
4491
113091
62-45-5'

999980
999978
1199958
999978

5305742.5
11.37
1693

1319.06E
3078
128828
906
1323.3W
128828
3502

N 0°22' E

26.89

5305742
46.56
5305751
N 0°20' E

5305551
1.37

7.72 E of N
132638
330532

1323.3 W

3502
5316.935

55316.935
128828E

006586507
5316.93 / 35.02.00 = 0022 1/2 E

N 0°22 1/2' E

Sine 0065455 * 5317.05 =

cosine 999978 into 531693 = 5317.06

122

15'31705-
12 658525
1 329261

150,65

541°37' W 160

Sine 879787 X 160

Cosine 475368 X 160

45 45 4
879787
160

5306 42
10.83
5316 25

52787220
879787
140.765920

253.8
1408
113.0

124085 K
3076
121007
1-

North side Jan 20

2640 45

24618

178.2 short

1323.3
121007
11323

02129804

0675
2640 / 178.2

5316.25 / 113123.0

1320
1320 X 0675 = 89.10
1240.90

89°36' 1240.9

Sine 999962 X 1240.9 = 1240.85

Cosine 008727 X 1240.9 = 10.83

21826
22111
3931
21915

$$\begin{array}{r} 1313 \\ 132928 \\ \hline 531712 \end{array}$$

00

N 89°30' W 8930
1240.9
123
10.83
1240.85

N 89°37' W

N 89°45' W

S 89°07' E

S 89°52' E

N 1°13' E
1329.28
531710.6

W 113.23
S 5314.25

1323.3
west

1326.38

5316.25
1210.07 E

1323.3
10095
253.8

N 1°13' E

021233 5317.45

999775 into 5316.25 = 5317.45

1329.36

531745
265872

124

940.3

Dec 18th 1959

Don Ed - Bob + I to Lot 7

Sec 20 - 134-29

Tower hub at IM S line sec 20

969.4 W of SE cor

1323.35

~~969.4~~

Chain W 353.95 to pt for 1/6

In ice

Tower 1323.35 BS E and run
N 1°13'E at 912 L vice

@ 940.3 hub edged tree line

+ 2035

1143.8 hub 10 ft S of E

940.3

300

1240.3 run

1329.26

1240.3

88.96

126

THOMAS TRIPP

GL 1 - 11-139-30

SEE BK 263 Pg 30-31 + 147-160

180-03

360-07-30

180-03-45

155-57

311-55

155-57-30

180-04-30

360-10

180-05

650
62.67

712.67

273-49-40

187-39-40

273-49-50

133-17-20

266-35

133-17-30

K @ B AS E

1 208-54-50

30.55

2 235-24-40

37.33

3 259-59

46.85

Building 20x30

85-22-30

South

98.43

Side

98.45

93.45

67-27

NW Cor

98.45

99-10-05

198-19-20

99-09-40

K @ B AS E

149-20-50

298-42

149-21-30 (F)

A

85-28-40

170-56-40

85-18-20

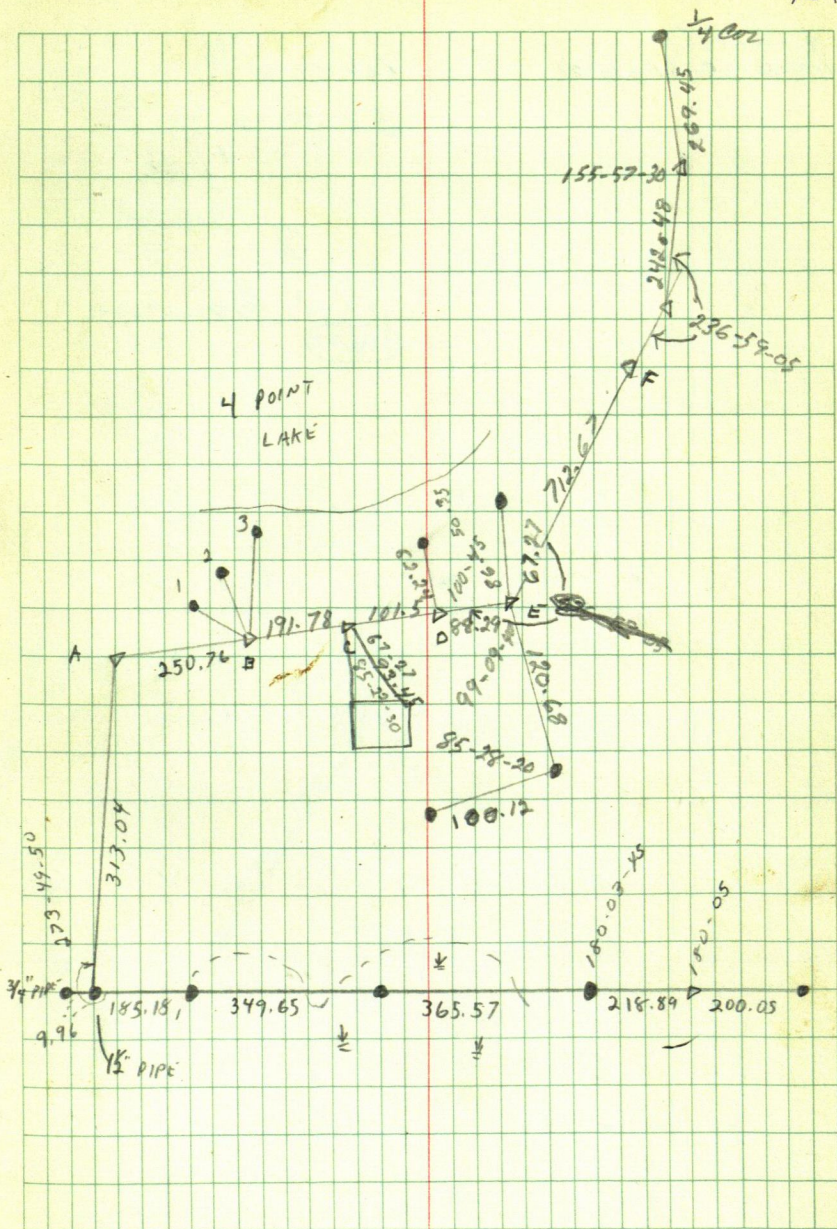
236-59

115-57-10

360

236-59-05

473-58-10



91-10-30
162-20-55 81-10-27

127-54-20 (2)

(199.146)

(1) 94-51-40 200.00

+ 11.77

210.966

(Y)

117.75

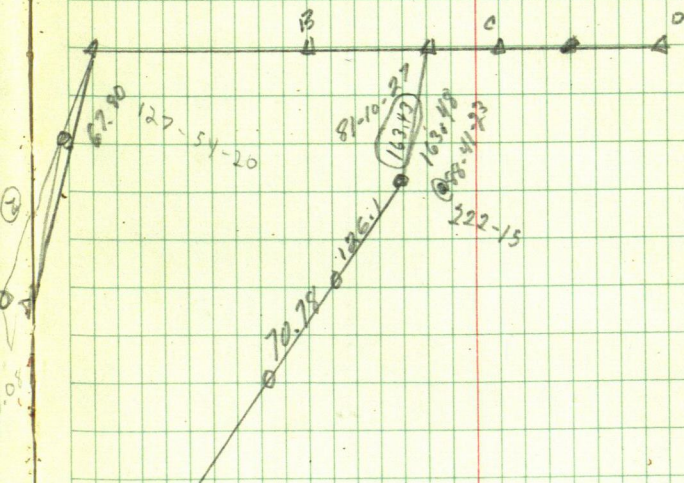
(2) 97-23-25

(116.77)

(2)
(Y)
308

②

0.5



1323

1069.5²⁵

816.7

1323

2646.7
1323.35
1069.5
253.85



155
125+30

2

702+2

181
623