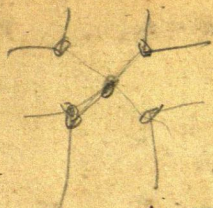


204

NETZSEN
No. 401

ENGINEERS
FIELD BOOK
No. 401



N^o 4

Note my other book
was sent to Gay
Todd and he kept
it it was
hubbard's
money

This book belongs
to John W Curo
Brainerd Minn
If lost - finder please see that
Curo gets the book and be
paid liberally.
Dated at Brainerd Minn
September 5th 1918

Please note:-

Do not hold the book
a week or two, but report it
immediately

John W. Curo
Brainerd Minn

See Book 16
John W Curo
Brainerd Minn
Feb 2 - 1945

Index

Garrison Twp 44-28 Pg 1 To 52
O.W. Van Doren 12-135-28 Pg 53 To 60
Wm Stickling 11-133-30 Pg 61 To 111
Sylvan Beach 11-12-133-30 Pg 61 To 111

T. 44-28^R Pg 1 T. 52 Garrison Twp ①
OW Van Doren Sec 12 T 135-28 Pg 53 to 59
Sec 11-133-30 Sticking Sylvan Pg 61-74
Index SYLVAN-BEACH 75

Plot Sec 3-44-28 Pg 40

Plot Sec 3-44-28 Pg 12-23

Correction 3, N side 39

Road Petition Pg 3.

3-4-33-34 Pg 4-28-38-

3, 4, 9, 10 Pg 4-5-14-15-47-52-

1/4-3-10-Pg 5-6-8-42-

2-3-10-11-Pg 6-7-12-13-21-42-

1/4-3-4-Pg 7-16-28-29-30-31

M.C. E. Side Scott Lake 17-38-

" S. " " " 17-

" N " " " 17-garage

1/4-3-34 18-38-39-41-

2-3-34-35 Pg 19-20-34-

M.C. Bet 2nd 13-Pg 21

South On Contine Sec 3-Pg 23-

West thio Sec 4-Pg 32-

East thio Cen Sec 3-Pg 33-

Time Sheet 9-35-

Board " 11-37-

1/4-4-5 Pg 44-48-50-

4-5-8-9-P. 44-47-48-

Center of Sec 3-Pg 44.

OW Van Doren Lot 1 Sec 12-135-28 Pg 53 to 60

W^m Sticking 61-111. Sylvan Beach 61 to 111

44-28

Garrison Twp
Crow Wing Co Minn
Aug 26-1918

Wm Sullivan Chairman 2. years left
Res on Sec 12 Flack P.O.
gets mail 3 times a week

Earl R. Bordon Trustee 1. year
Res Sec 3. N $\frac{1}{2}$ NE $\frac{1}{4}$ = 80. acres
Tel 28-14 Flack or Brainerd P.O.

John Davis Trustee 3 years left
Res Sec 3. Dykeman P.O.
Mail 3 times weekly
Tel 18-9

Frank Benjamin Clerk
Sec 3 - E $\frac{1}{2}$ SW $\frac{1}{4}$ = 80 acres
Flack P.O. No Phone

Aug 26
1918

44-28

3

Garrison Trp

WE Woundlick Treas

Sec 4. Tel 28-5

Flacker Brainerd PO

Use First Natl Bk of Brainerd

Funds 1918

R+B \$1300.

Gen 250.

Poor 75. (about)

Still have money in treasury

Trp road to be surveyed
begins in cen of N + S graded
road in cen of sec 3 and
runs nearly a mile west
on center line of sec
3 + 4 to connect with
the Co road just east
of the store

Survey Rte. N + S 41

4

44-28

1 44

26th Garrison Twp

August 1918 Monday Contd

Harald and I - with field
notes previously copied
L. Brainerd @ 11-30 AM with
my Ford. Alma, Gacalod and
Reed go too. Ito keeps house
@ 610 Tamarack St.

At ER Bordon farm @ 1. PM
all get dinner with Bordon
P.M.

Earl Bordon and boat lake
Harald - Reed & I across Scott
Lake in search of M^C & BTS
@ NW Cor Sec 3 T 44 R 28
find none.

Then with my car drive to
SW Cor Sec 3 - where Geo H.
M^C Calvy shows us the point
where the old fort stood

Geo H M^C Calvy lives on
SW SW Sec 3 T 44 - R 28

P.O. Brainerd Minn Via Star Route
Phone 28-6 say Joe Miller
(now gone to Brainerd) and
Chas Wounderlich helped

aug 26-1918
contd

44-28
Garrison Twp

5

on the survey in establishing
this SW Cor Sec 3. being cor to
3. 4. 9. 10. T 44 R 28

there is no stake but he says
the old stake stood at a point
about 6 ft NE of an old 12"
Oak tree which has grown
over spots on 4. side.

The point marked by
McCaughey is N 38° E 7.00 ft
run with compass @ 8° 30' 0" E
to side of stump.

We drive an oak hat for
temporary corner - then chain
North (8° 30' 0") 10. feet and
set Hat 0.0 in cen of E & W
graded road

00. is 28.00 feet South of
a fence running E & W
and 10 ft East of a fence
running North

McCaughey goes half a mile
East and tries to show cor the
1/4 corner as previously
established by
another surveyor years ago, but it

44-28

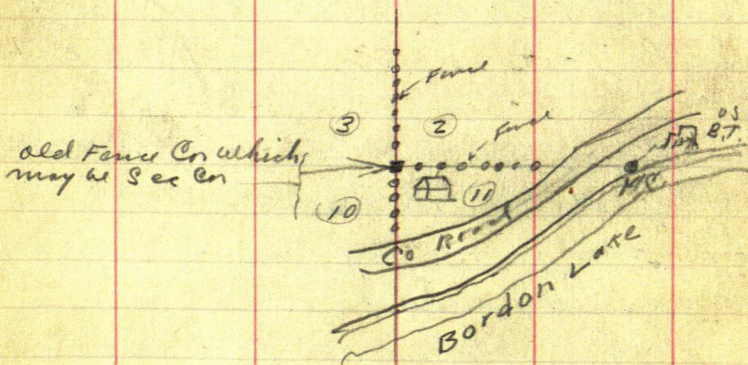
147

We then drive East to
SE Corner 3, and decide to use
an old fence corner which
Lewis Garrison former Co
Surveyor used when he
subdivided a part of sec
2-44-28 on private work

graded road

Temp cor
to 3-4-9-10

N 38° E
7.0 FT



Aug 26
1918. Could

44-28
Garrison Twp

7

We then go to $\frac{1}{4}$ cor bet 3 & 4
but find nothing

All get supper with Borden
Lv Gerald to fish a week at Borden's
Alma Reed & I come home in
Ford. Harold staying with
Borden

We told Borden our time would
cost the Twp

\$1.20 per hour for me = \$9.60 for 8 hours

90¢ " " for Harold = \$7.20 " 8 "

He is satisfied

Record No 149

8

144

44-28

Garrison Twp

Road
Survey

Aug 27-1918 Tuesday

Harold J. Cuss Gully Liament
double Cen. hub

300' Ch. Chicago Steel Pipe

Lv Mrs. Bordons @ 8.14 AM

and with Earl Bordons 1.5 ft
near $\frac{1}{4}$ Cen bet 3 and 10 44-28set Liament over rock pile
2 ft north of wheel track
of E & W graded road

Back right on

O.O. in road Cen half a
mile west on point 10' N of
Liament Cen to 3-4-9-10Chain East along graded
road set short stakes every
300 ft (not lined in)Ht 2640 E. Hub
about 10 ft E of Liament
2971 E. intersect C road
bear NW & SE

3066.30 E. Hub

3077 E Fence NW-SE

3470.10 E. Hub

Cliff Knowlton ax

August 1918

Time Sheet Garrison Twp 4-4-28

26 27 28 29 30 31

John W Curo @ \$9.60

Expense.

Auto @ 150 mil

Harold J Curo @ \$7.20

$\frac{1}{2}$ - - $\frac{1}{2}$ - $\frac{1}{2}$

- - -

Miles 19 - -

8 H 8.14 9 H

0 H 52 M 35

paid

Earl R. Bordon @ \$3.

Perry Bordon @ \$3.

Bert Allen @ \$3.

Geo A M Malory @ \$3.

Cliff Knowlton @ \$3.

$\frac{1}{2}$ 1 1 1 1 -

- 1 1 1 1 1

- 1 1 1 1 1

- 1 1 - 1 -

- 1 1 1 - -

149

Aug 27-1918 cont'd

Geo A McCalley }
 Bert Allen. } of men
 Perry Bordon

Earl Bordon & Harold Curo Ch
 Plumb-bob Ch.

Go to dinner at Earl Bordon's
 12.27 = 4 Hours + 13 minutes

PM

L. Boarding house @ 1.13 PM
 Continue East

East bet 3 & 10 - 44-28

3950 cross brush fence N & S

4050 " pale fence NE-SW

4175 Stone Rock H-m line

4205.90 E. Hub

4250 Fence N & S

4325 " "

4350 cut bog

4450 Fence N & S

5010 L. bog

5280 E Hub

5303.70 Fence N & S

At 5280 East Fence post
 being limp on to

1918

Board sheet - Garrison Twp

Boarding with Mrs E.R. Borden @ \$36⁰⁰ = \$140⁰⁰ per day

26 27 28 29 30 31

Panel

John W Curo	D	-	-	D	-	D	-	X	= 1 1/2
Anna Curo	S	-	-	S	-	-	-	-	= 1/2
Garald Curo	D	DB	DB	DB	DB	DB	DB	DB	= 5 1/4 ^{3/4}
	S	SL	SL	SL	SL	SL	SL	SL	= 1/2
Reed Curo	D	-	-	-	-	-	-	-	= 5 1/2
	S	DB	DB	DB	DB	DB	DB	DB	= 5 1/2
Harold Curo	S	SL	SL	SL	SL	SL	SL	X	= 5 1/2

149

11

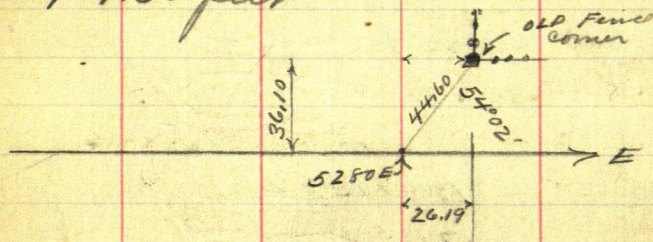
12 aug 27

44-28

Garrison Twp

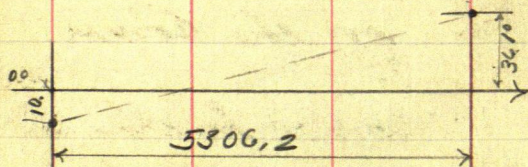
1918 continued

section 2-3-10-11-44-28
 bears left $54^{\circ}2'$ Left
 44160 feet.



$$\begin{aligned} \sin 54^{\circ}2' &= .80936 \times 4416 = 36.10 \text{ North} \\ \cos 54^{\circ}2' &= .58731 \times 4416 = 26.19 \text{ East} \end{aligned}$$

At 5306.19 East limb fence
 post corner bears North 36.10 feet.



149

Aug 27-1918
Pemb

44-28
Gannum Twp

13

149

4 | 3
9 | 10

$\frac{1}{4}$

3 | 2
10 | 11

U.S. Notes

At the corner

2-3-10-11 T44 R28 US notes

Call for Sugar 12N87E24

" 12N31E16

" 15S37W42

" 12S19W27

It all appears to be gone but
an old fence corner
used by County Surveyor
Harrison will be O.K.
with me for the corner
Note:-

The course for the old BTS
given in the above notes
does not appear to stand
according to the general
custom as each tree should
stand in a different section
However there may be
some mistake in copying
the notes. John W. Cune

14

149

44-28

Garrison Twp

Crowwing

Co

Minn

Aug 27-1918 Cold

U.S. Notes

4	3
9	10

3	2
10	11

U.S. Notes: viz

at the $\frac{1}{4}$ Cor bet 3 & 10

US males call for

All appear to be gone

The pile of rock at this point
is not correct and we
will not use themAt the Cor 3-4-9-10 US males
call for:

Aspen 12 S 31 E 34 LKS =

" 10 S 48 W 54 " =

" 10 N 84 W 84 " =

" 12 N 58 E 64 " =

All appear to be gone

Harold J. Curo-John A. Curo

149

Aug 27-1918 Could

Beg @ Temp Cor 1-3-4-9-10

44-28 we get the angle of
the old fence running North
so as to run about parallel
with same

N.E. angle of fence with E & W
random line is $87^{\circ}30'$

Beg @ Limp Corner we run

North - bet 3 & 4. Run $89^{\circ}08'$
as fence is crooked

@ 10. Hub 00.

@ 38. Cross fence E & W

@ 202. N. Meadow

@ 349 IV LV "

Put a hat on hill & quit for
night as home @ 6-28

= 5 Hours 15 minutes oddend

$$\begin{array}{r} \text{to} \quad \frac{4}{9} \quad " \quad \frac{13}{28} \quad " \quad = \\ \quad \quad \quad \quad \quad \quad \quad @ 90^{\circ} = \$8.52 \end{array}$$

Noti:- The above notes copied in
part from Harold's field book

Harold J Curo

John W Curo

10 149

44-28

Garrison Turb...

Aug 28-1918-Wednesday

Songl. Crew. Continue

North bet 3-4 T44 1728

@ 486.20 Hub

850 Con fence N-NE and S-SW

1000 entire meadow

1175 LV "

1302 Fence EXW

1344.80 Hub

1475 entire meadow

1800 LV "

2185 Fence EXW

2216 Con @ Road EXW

2234.20 Hub

2246 Fence EXW

We left @ 8.23 Quail for
dinner at Home 12.25

= 4 Hours 2 minutes in journey

P.M.

LV @ 1.06 Continue North

North bet 3-4-44-28

@ 2640 N. look for 1/2 con
US male call for

WPine 12N 45E 37 Lks = 24.42 ft

Birch 8N 55W 16 " = 10.56 "

Aug 28-1918 Continued
all appear to be gone

2720 N-fence E & W

2869 ent bog 3010 LV

3194.50 Hub

3724.60 "

At 3498.00 = M.C.

US notes call for

Spruce 5S 21 W 37 = 24.42 M

Tam 5N 74 E 27 = 17.82 "

All appear to be gone

@ 3724.60 Hub

4025 N. ent bog around lake

4234 Water edge

Perry Bordon and Earl Bordon
lake boat and cross lake & set
hub north of lake

at 5131.02 N. US chain

Nalis call for

Tam 8 N 35 E 54 LRS =

Tam 10 N 14 W 40 " =

all are gone.

Reg on E side of lake
set temp m.c. and run E
11° 37' Var

Reg @ 0.0 run East

18

44-28

Garrison, Mass

149

Aug 28-1918 Contd

@ 5.75 E. L. Linn

618 Can NTS road graded

648. fence NTS 9.25, 70 Hat

as above 6.41

A.M. L. 8.23 Return 12.25 = 4.02 (9.37^{PM})

P.M. L. 1.06 6.41 = 3.35

Harold J. Curran

149

44-28

Garrison Turp road

Crow Wing Co. Minn.

Aug 29-1918 Thursday

Call up John W. Coors. at Bed
and write notes while waiting for
train to arrive.

Lv house @ 8.30 AM. Continue

East on N line sec 3.

975 E. cross fence E-W.

1110.40 Hub Best Allen track

Brush hook handle and goes
for another. Geo. H. McCleary
does not work today.

1351.20 Hub 1430 E. ent
lain swp NE-SW 1932 fence

N+ 1980 Lv Turp swp

At home 12.15 = 3.45 M

PM

Lv @ 1.40 Continue East

2031.50 Hub 2128 old

key road NE-SW

At 3196.00 Eth line Cor. Ar 2-3

34-35 NE Cor. sec 3 beam

Not taken. See page 20-34

Aug 30-1911 Friday

L₁ home 8-20 Bush 12.10L₂ 1.10

6.00

= 8 H₁ 40 minutes @ 90

= 87.80

At On

2-3-34-35 Bush

44 and 45 N 128 W

US maps Red line

WP10 N 8 E 83.20

Beech 8 N 25 W 70

WP16 S 75 W 47

Aspen 12 S 39 W 32

New BTS Uij

W. Oak 6 N 26° E 39.60 FT

Red " 6 N 30 18 W 39.70 "

Poplar 12 S 76 45 E 41.20 "

W. Oak 8 S 4 15 W 32.10 "

See Page 17-34

141

144

44-28
Garrison Twp

21

Aug 30-1918

Beg @ NE cor Sec 3 - run
South. Bet. 2 & 3. Jan 8°15' E

@ 436.40 8 Hub

902 40 "

1137. 00 "

1200. enter meadow NW-SE

1268 Ditch NW-SE

1310 Lv meadow NW-SE

1714.60 Hub

1822. water edge Scott
Lake or Pike LakeBeg @ Hub. 100. on
South side Scott Lake

3 ft 2 in water run

South. bet 2 & 3

81.30 Hub 206.80 Hub

532. fence E-W

600 enter meadow NE-W

1145 Lv " Corner E-W

1160 S enter oak field SW-NE

1845.80 Hub

1845.80 So Cor to

2-3-10-11 T44 R 28

bear S 78°54' W 64.60 ft

22

T 44 R 28

Garrison-Twp

Aug 30-1918

149

149

T 44 R 28

Garrison Twp

23

Aug 31-1918

Beg @ a hub in cen of N & S
road 0.70 ft So of E & W
random line run

South

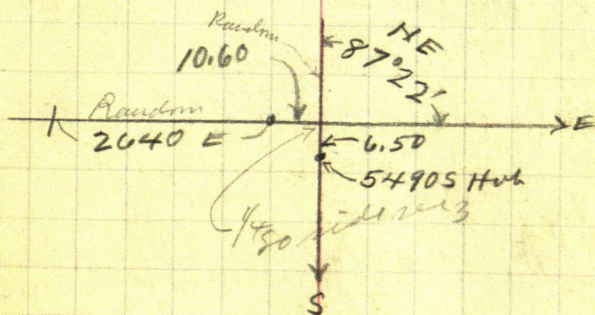
along cen of graded road
549.10 Hub

2646 S. Hub

3872.70 S "

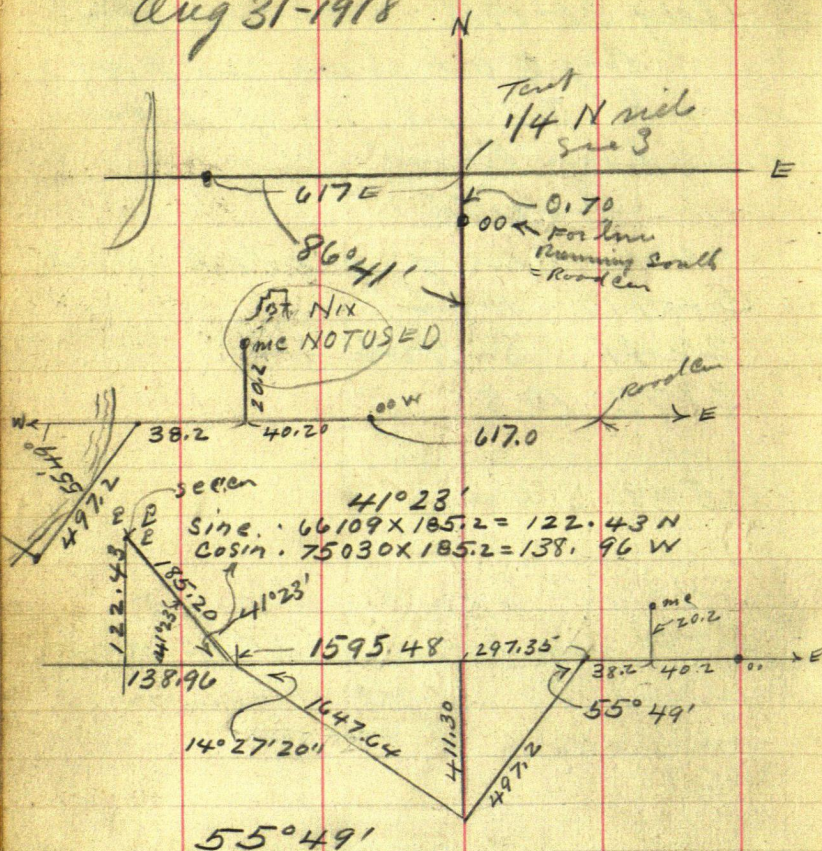
5490 S Hub

5483.50 South interest
E & W random 2650.60 East
when NE angle of random
line read $87^{\circ}22'$



144

Aug 31-1918



$\sin .82724 \times 497.2 = 411.30$ South
 $\cos .56184 \times 497.2 = 279.35$ West

$14^{\circ}27'20''$
 Sine. $24963 \times 1647.64 =$
 Cosin. $96834 \times 1647.64 = 1595.48$

26

44-28

Garrison Twp

Aug 31-1918 Conlet

Town Board met and paid us off

I came out from Brainerd @ noon
and like Harold and Harold back
home for supper

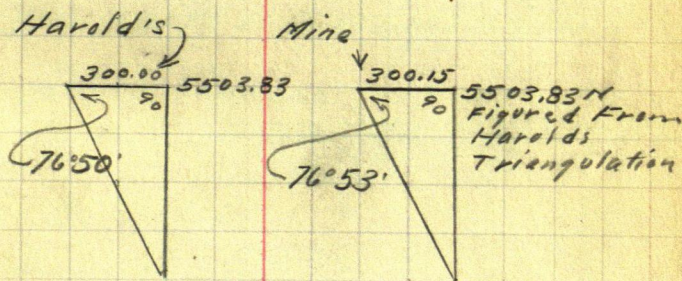
149

Sept 10-1918 Tuesday

144

I figure corrections and go out
to Earl Bordon's farm arrives
11 AM figure till noon
PM.

figure corrections till 3 PM.
then Earl & I go in boat to
NWCo Sec 3 and check
Harold's triangulation
with the following result-



Begin to rain - supper @ 6 PM.

John Rogers arrives broke
down and I take him to Beamed
40 miles @ 10¢ = \$4.00 to be
charged to Matt

I find Nellie with the
Gerald down town They go for
Gerald and bring back Bobber.

Sept 11-1918

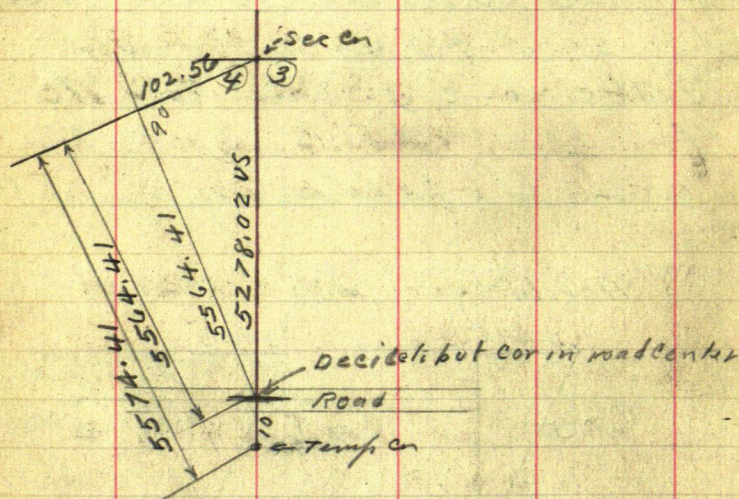
149

Figuring Corrections

See page 25.

HP 5574.41 N. TH NE Cr.

See 3 bear East 102.56



5278.02 US Vig line line =

5564.41 My Ch Vig Random

286.39 Diff Vig "

$$= \overset{0.05442}{.05426} \text{ of a foot N. for each}$$

ft N plus 10 ft

$$= .01843 \text{ of a foot E for each}$$

foot North = 1' 3"

44-28
Garrison Twp

29

Sept 11-1918 contd

144

Figuring Corrections
Between Secs 3 and 4

10. N = 0.0 N Goes East 0.0

486.20 N = 476.20 N Goes E

1320 N goes 71.62 N to 1391.62 N

Thence East 25.65 To S $\frac{1}{16}$

Stake 1401.62 N =

1391.62 + goes E 25.65

2234.20 N = 2224.20 N

and goes E

2640 N goes 143.24 N to

2783.24 N

Thence E 51.30 To $\frac{1}{4}$ Cn

Stake 2793.24 N = 2783.24

N and goes E 51.30

3194.50 N = 3184.50 N and goes
East

3724.60 N = 3714.60 N

goes E

30

44-28

Gannon Tart

149

Sept 11-1918 cont

Figuring Corrections

Between 3 and 4

3960 N goes 214.86 N TO
4174.86 N

Then E 76.95 T. N $\frac{1}{16}$

Stake 4184.86 N = 4174.86
N and goes E 76.95

Hub 4158.90 N = 4148.90 N
goes E

Hub 4221.40 N = 4211.40 N
goes E

Hub 5503.83 N = 5493.83 N
goes E

Sept 11-1918

149

Li Brumel @ 810 Hr Earl Bordon
9.10 about. John W Cure \approx Hx13.

300' Chi tope Earl R Bordon Flg-Ch
Geo Hill - Geo McCalry Axmen

@ 2700 we chain N 93.24 to
2793.24 which is 2783.24 N of Cr
set hub Turn 90° and run East
51.30 and set a 3x3x16" oak hub
for temporary $\frac{1}{4}$

$\frac{1}{4}$ Cor Bet 3-4

See Page 29

Set Transit over $\frac{1}{4}$ and
@ 8° on run

West thence Sec 4

@ 288. W cross pole fence N 70° W - S 70° E
300 Hub 321 W. cross pole fence
N to Enter Clover field of

Chas R. Wunderlich whose H
stand ablock South West

515.5 W Hub in Clover

Wunderlich comes out and
gives us permission to cut any
tree necessary. 600 W stake
900 stake. 900.70 Hub in Clover
918 Corr fence 2 wires 1 pole

Sept 11-1918 Could
West Thro See 4

on top N-S Lv field 1124.4 vt Hut
1200 slake 1296 wire fence NW-
SE 3 wires 1314 W we are in
time with a wire fence running
North from a corner set by
Lew Garrison 16 years ago
This Cor sets North 64.0 ft
where a fence runs N- also W and
also SE

1331 W. Hut @ 1400. Cen' Co Road
NW-SE 1455 fence NW-SE

1500 slake on line 1758 good
pole fence N+1. 1769 Cen

TV p road N-S. Enter low
land 1800 slake 1828 40 Hut
2100 slake on line - Low land

2140 open bog 2163.30 Hut in bog

2300 slake 2345.5 4 ft
slake on line 10' E of water of
Miller Lake NW-SE

Boggy Shore here

Cause Hut to be set on Sea
wall West side Lake and another
on top of hill further West

Then quit this line and walk
East half a mile John W Cuss

Sept 11-1918 Cont'd

Reg@44 bet 3-4 back right
West on random and run

East thro Cen Sec 3. Ver 80

37.2 fence N + S 25' S of bog 3 wires

300-E Hub 600 Stake on line 755.70 Hub

N-S wagon track 900-1200-1500-

1800 stake on line 1801.50 Hab

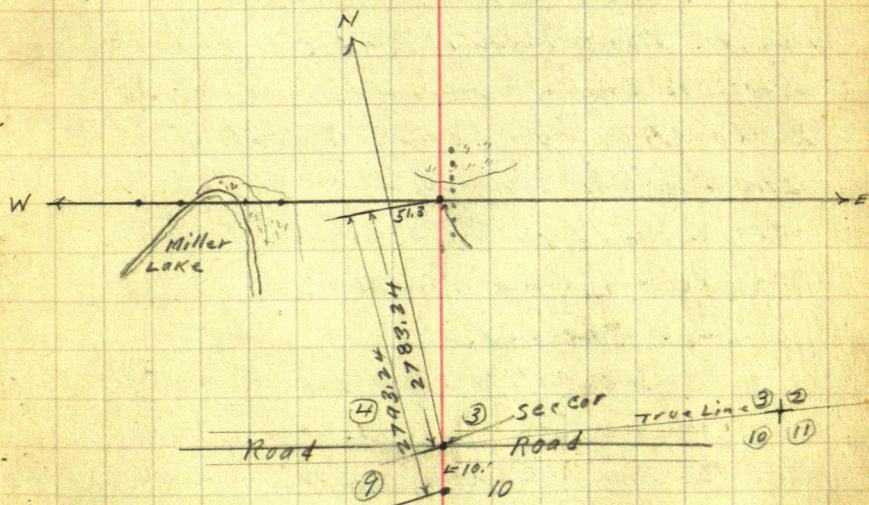
2100-2400 slabs on line

2675 Hub west track of road

2700 stake quit for night

Best Allen works in P.M.

Shower all day - off and on



34 149 45-44-28
Garrison Twp Crow Wing Co.
Minn

Sept 12-1918 Thursday

Earl R Borden - John W. Curo walk to

NE Co Sec 3 T44 R28 = Cor 2-3-34-35

Bet T44-45 R28 W

US Notes call for:

WP 10 N8E 83 LKS = 54.78 FT

Beech 8 N25W 70 " = 46.20 "

WP 14 S75W 47 " = 31.02 "

Aspen 12 S39W 32 " = 21.12 "

We find a 4x4x36" Oak stake
set last week by Harold J Curo

See page 19-20

We also find stump of old WPine BT and
old S.W. WPine - BT.

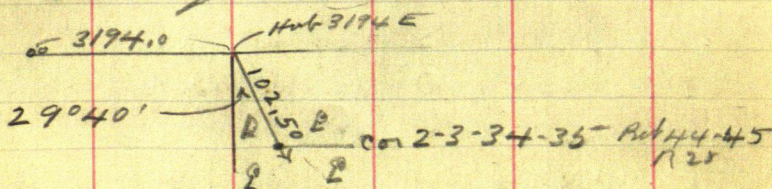
Old NE Stump bears N90°E 54.78' li prop mark
and 54.10 li apart near root

Old SW WP Stump bears S77°20' W

31.02 ft li BT mark

Harold's New B.T.S Check perfect
for count & measure @ 8°15' 1/2

See Page 20.



At 3194.0 E on S29°40'E 102.50 ft

John W. Curo

149

Time Sheet Garrison Trip 44-28

Sept 1918

9 10 11 12 13 14 15 16 17

John W Euro @ \$9.60

1

1

1

1

1

1

1

Expense

Huls Niles @ 15°

1

1

1

1

1

1

1

Earl R Borden @ \$3.

1

1

1

1

1

1

1

Geo E Hill

\$3.

1

1

1

1

1

1

1

Geo H McCalvy

\$3.

1

1

1

1

1

1

1

Bart Allen

\$3.

1

1

1

1

1

1

1

36

45-44-28

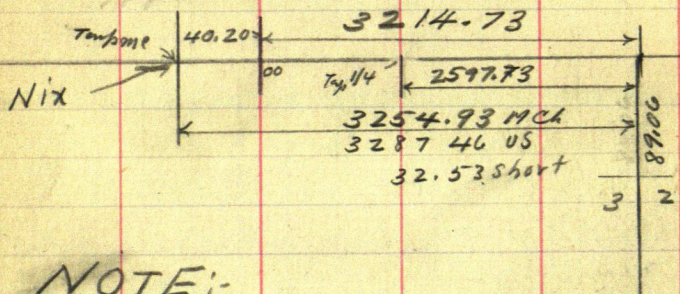
149

Sept 12-1918 Contd

At 3194. E on 2-3-34-35 T44-45 R28

bearing $S 29^{\circ} 40' E 102.5$ ft

= 20.73 E and 89.06 S

 $29^{\circ} 40'$ Sine = .49495 $\times 102.5 = 20.73$ Cosine = .86892 $\times 102.5 = 89.06$ 

NOTE:-

North side Sec 3.

made straight the entire mile

All Meander Corners

on North and West sides of

Sec 3. ignored as lost

The $\frac{1}{4}$ on North sideSec 3 really checks with

stumps of old B.T.S

J.W. Curo

Sept 12-1918

John W. Curo

149

Board Sheet with Mrs Earl Borden

Garrison Twp 44-28

Sept 1918

9	10	11	12	13	14	15	16	17
-	D	D	X	DB	-	X	DB	DB
	3	SL	X			S	L	S

John W Euro

38

44-28

144

Sept 12-1918

Figure corrections all AM
at Borden P.M.

Earl Borden & I walk to M.C.

Went of Rt 1/2 Cr Sec 3 and passed up
all temporary m.c. Cr marksfind stump of both old BTS
(Not marked) Check gavel for wood

cr @ 1/2 bet 3-34 bet T144-145

R 21. The Twp BT is N.W. instead of
S.E. Distance to the old Oak stump
N.E. may be about 3 ft. short?
will see laterMrs Borden and Ada Wunderly
go to Brainerd. Ada's CarI to Borden @ 5.30 Come to
Brainerd Home over nightJ.M. Coffield Tel. Rural 28-20 Farm
has 300 ft. SP and NP E of Cross Lake
1 mile N of John Drivers

@ 3-4-33-34 - T44-45 R 21

New BTS orig Bars 4 N 52° 10' E 25.80

@ 11° 30' W Oak 10 N 46° 26' W 46.65

alder NE BT plain Birch 75 75° 45' W 22.10

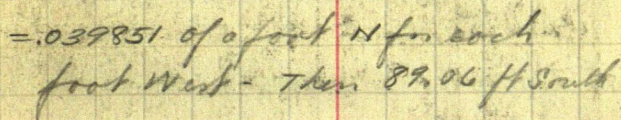
SW NW Stump Oak 75 46° 10' E 15.25

John W. Curran

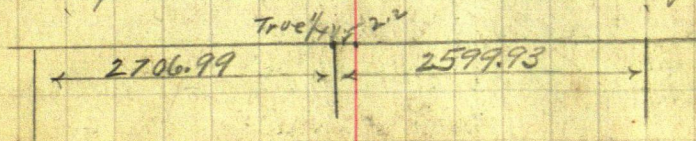
39

Sept 13-1918 Friday
Figure corrections at home
no charge

Figure Corrections at home
Charge



Note: We set the Temp. $1/4$. West
2.20 ft to True $1/4$ makes last dig



3214.73

34

2092.19

10/23

③

20 figured

1595.48 279.35

130

142730

7

卷之四

109.11

2

卷之四

卷之四

...

1875

18

三

5306.92

Correction of line
= .039851 minus 89.06
North for each foot west

149

45-44-28

Garrison Trap

41

Sept 14 1918 Saturday

Lr home @ 8 or Earl Borden's 9.5

Lr 9.10 with Earl Borden and put in the
1/4 Cor Bet 3-34

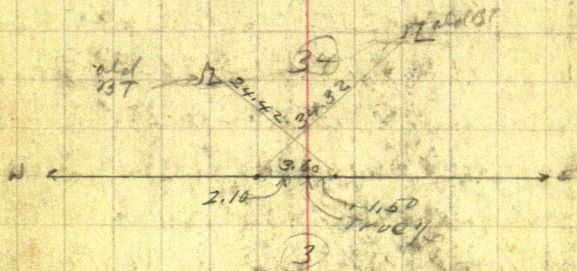
T 44-45-R 29

See Page 39.

At 2550 W Chain N 12.56 put hub on line

@ 2597.73 W Chain N 14.47

put hub in line

Sight E on line line and
draw a line in clay across
road then chain in from the
two old B.T. Stumps to a point
on our N 12.56 line

N 12.56 1/4 set by proportion so as not
to put a crook in the old line of
see 3- We done our proportioning
here along our EXW line line

Pop 10 N 53° 30' E 44.90

Birch 10 N 60° 27' W 64.14

Borden diagonals

4.40 ft west of 1/4 spike

Turned from line EXW

Line which reads

70.30' W

149 44-28 Canyon Trail

Sept 14-1918 Saturday

We take Mr. Bordon and baby to
Wonduland. Elric then go to C
2-3-10-11 - 744 828 and drive
a 2 x 20 " Tam hat tight against
West side of fence on post. set hat
for line Sec on

Then set line out over Hat.

5280 E: See Cor bear N 35° 30' E

44.40 ft Random E & W line
see to 9° 10' 00" E

Correcting Book

@ 2640 E we run N 35° 30' E 22.2 ft
set hat. for the line 1/4 Cor

1/4 Cor bet 3-10 New BTs

Pop 6 N 49° 14' E 59.25 8° 10'

Red Oak 55 47° 47' E 54.82

At 5490 S. the 1/4 Cor sets 24.8
N and 1.40 ft E The Ntr

random in Cn of run 6° 45'

At 5465.20 S the 1/4 E 1.40

$$\begin{array}{r} 5465.20 \\ 15.17 \\ \hline 5480.37 \end{array}$$

2.2

1/4

$$\begin{array}{r} 5465.20 \\ 15.17 \\ \hline 5480.37 \end{array}$$

15.17

John W. Curo

T44 R.28

43

Sept 14-1918

149

5307

2707
2706.992600
2599.935565.25
5568.562783.67
2782.77
2781.58
2780.70

2680 about

5480.37
2735.64
2744.68

2708.67

2688.51

5397.18 north figure

2653.1

2653.1

5306.2

To put in center stake 2744.68 20 on
previous survey is 15.17 further so than
stake shown. Hovels stake marked 2729515
is 2744.688 and goes West 0.40 of
foot to true center.

John W. Cress

149.

Sept 14-1918

Figuring East side Sec 3 bet

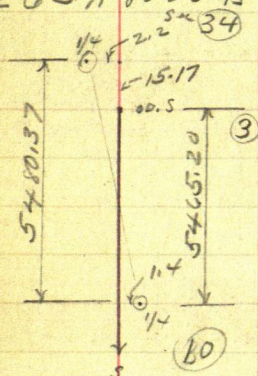
2 and 3. $5299.80 \text{ OS} = 5397.18 \text{ May 04}$
 $= 97.38 \text{ ft too long. } 5299.80 \text{ into } 97.38$

$= .018374 \text{ of a foot long in each foot U.S. of}$

$2640 \text{ US is } 48.51 \text{ Long} = 2688.51$

$2659.80 \text{ US is } 48.87'' = 2708.67$

5397.18 figured



PM

Earl Bordon and I with my Fried go
 to 1/4 Cor bet 4 and 5 T44-128

where a graded road runs E & W
 also to NO BTs

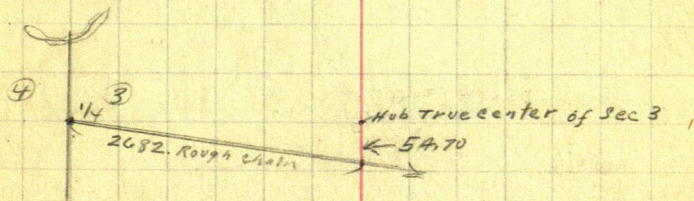
@ Cor to 4-5-8-9-44-28. the

BTs were grabbed out by the town
 board. We come back and put in
 cor of sec 3. @ 2641 S. Chain so 8851 ft
 $1:2729.51$ which added to 15.17 equals
 27446.8 . then West 0.40 of a foot

Sept 14 - 1918

149

and drives a good solid hub in East side of road for the true center of sec 3 T44 R28. We set a tall stake 2.00 ft East to guard the center hub.



At 2682. East, the true center of sec 3 lies North 54.70 feet = $1^{\circ}10'$

Correction

= .020395 of a foot N. for each foot East

Distance	Correction	True E & W Center
✓ 300 E goes North	6.12	True E & W Center
✓ 600 " " "	12.24	"
✓ 755.70 " " "	15.42	"
✓ 900 " " "	18.36	"
✓ 1200 " " "	24.48	"
✓ 1500 " " "	30.60	"
- 1800 " " "	36.72	"
✓ 1801.50 " " "	36.75	"
✓ 2100 " " "	42.84	"
✓ 2400 " " "	48.96	"
✓ 2682 " " "	54.70	To true Center

of sec 3, T44 R28

John W. Curo

Sept 15-1918 Sunday

149

Sleep all forenoon

P.M. Ediel R Borden and I correct
up and set hubs and tell stakes
at all corrections this center of
West half of sec 3 T 44 R 28 or
given on page 45.

Abel Christenson done

lives on NW 1/4 Sec 34 - T 145 R 28 was
with us no charge for any of us

Sept 16-1918 Monday

149

Hunting season opens today
on ducks

Earl R Borden Geo Hill and I drive to
National Store where I leave my car
and Hill cutting brush

Bert Allen and his Ford car takes
us to the Cor ⁴⁻⁵⁻⁸⁻⁹ 3-4-7-10 T44 R28
where US nalis call for

Red Pine 12 N 70 W 12 Lks

" " 12 N 56 E 34 " = 22.44 Feet

" " 10 S 71 E 13 "

" " 10 S 40 W 27 "

We find the stump of the NE tree
plainly showing the outlines of the blazed
face but the figures are dim or gone
and we find the point of an old stake
in cen of N to S graded road
which checks out perfect for
course and measure with the old
stump @ 3°40' or There point has
been well marked by a fence post
23 ft E or S and a line of fence
running West so I am unable
to push push my stake further
South or all the other old BTS

Sept 16-1918 Continued

are gone. I set a new Hub for the
line. Car with new BTS viz $9^{\circ}20'$
turned from looking half a mile N
along the graded road

Q in spot on old BT slp beam

N $61^{\circ}20'E$

22.55 ft

Pine stump 10 N $50^{\circ}43'W$ 31.75" " 15 S $41^{\circ}04'E$ 41.20" " 10 S $33^{\circ}45'W$ 60.17

To face of spot. Fence post west about

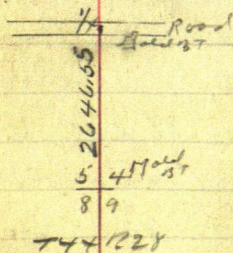
27 ft and East about 23 ft

for the line corner to be on

4-5-8-9 T44 R28

Allardins Car N $\frac{1}{2}$ mile while
Borlon and I follow with 300 ft
chain

@ 2646.55 careful chain
intersect the $\frac{1}{4}$ Cr bet 4 and 5

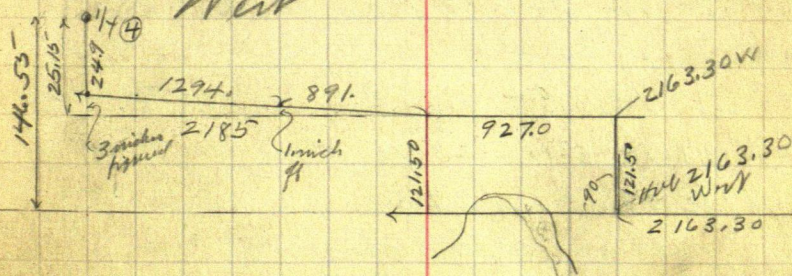


Sept 16-1918 Could

Bringing upon line from the ^{East} ~~West~~ ^{West} then can see rough ch
 @ Harbour lake back right East
 on hub 2163.30 Turn 90° and run N
 121.50 then 90° and run West to
 1/4 Cor set limps Hub 24.90 ft So
 of 1/4 Cor bet 4 and 5

Note: this line will have to
 be run West again to get the line
 random: as we only turned 90°
 degree angle on short rights etc.

at hub 2163.30 we run N
 121.50 and set hub for back shot
 and with transit on hub 121.50 N
 of Harbour lake - back right and run
 West



@ 927.0 Hub under transit then 891 ft to hub on north hill west which is 1/2 inch N of line line. Figuring the hub half a mile west would be 0.25 of a foot N of our line random and the

Sept 16-1918 Could

$\frac{1}{4}$ Cr bet 4 and 5 would be 24.90 plus 0.25
= 25.15 ft N of our second random which
added to offset 121.50 ft from our first
random would be 146.55 ft N of our
first random line if extended

Rough Chain EFW

at 52 75.30 West the $\frac{1}{4}$ Cr bet 4-5
into North 146.50 ft

At this point US notes call
for Tam 6 S 80° E 80 = 52.80 FT
space 45 67 W 40 = 26.40 "

We find the stump of the SE tree
recognized by all the others as the
true B.T. (not marked) from which I
set a hat firmly in the ground
@ 9° 20' S on line from road
running South

New B.T. viz

Tam 35 42° 5' W 28.70 FT

Pop 1 1/2 N 13° 41' E 22.00 "

Fence Post Cr S 54° 30' E 36.30 "

" " " S 54° 20' W 27.00 "

Old B.T. slip S 80° E 52.80 ft

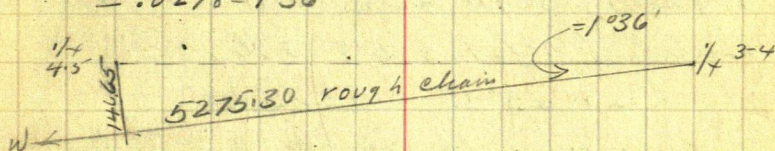
SW old B.T. corner in side ditch
and is gone

Sept 16-1918

Conedring

ETW Cur line Sec 4 T44 R28

$$= .0278 = 1^{\circ}36'$$



Point

✓ 300.0 W	gals	N	8.34
✓ 515.5	"	"	14.33
600	"	"	16.68
900	"	"	25.02
✓ 900.70	"	"	25.04
✓ 1124.40	"	"	31.26
1200	"	"	33.36
✓ 1331.			37.00
✓ 1500	"	"	41.70
1800	"	"	50.04
✓ 1828.40	"	"	50.83
2100	"	"	58.38
✓ 21633	"	"	60.14

set hub. also tall plater mark
 'True ETW Cur line - Road Cur' at all
 points checked this ✓
 then drive to Cur Sec

3-4-9-10 T44-R28 where we

52.

44-28

148

Sept 16-1918

put in the following new BTS

Bar Oak 14 N 41° 10' E 76.90 feet

Pepler 14 S 76° 46' E 110.10 "

Bar Oak str 14 S 15° 8' W 16.10.

Birch 4 N 25° 25' W 52.75 ft

Turned from the line N 10° ^{See} line
of sec. 3 - ⁴⁴44-28 @ 1 degree angleI go home from Walnut Stone to
Beaumont 18 milesHill got in $\frac{1}{3}$ day in am @ \$3 = \$1.00

Borden-Allen Cars full day

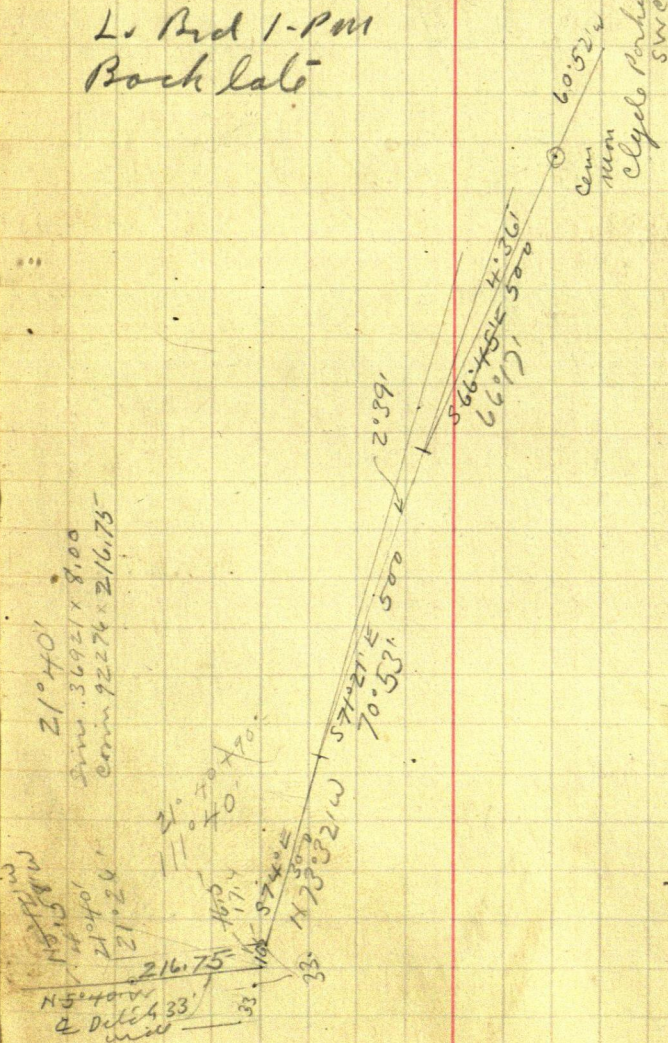
Allen drove his car 10. miles and
@ 15¢ = \$1.50 Hill worked $\frac{1}{3}$ day in
am

Checked Sept 20 - 1919

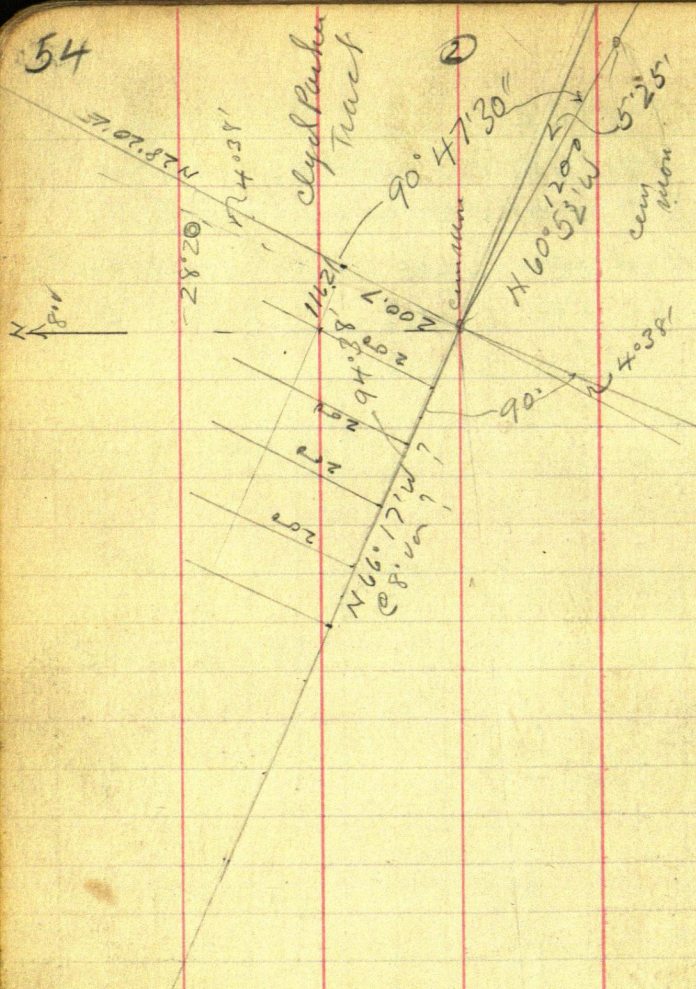
Oct 18-1922

O.W. Van Doren Lot 1 Sec 12-
135-28 Lake Edward Twp.Bob Anderson Curot Reed in my car
L. Prod 1-P.M.

Back lot



54



4038'
gins - .08078 x 200.7 = 16.21
corn - 99.673 ~ 200.7

Monday. — Oct. 23, 1922

(3)

55

Sketch of Clyde Parkers Place at Lake Edward,

In Lot 1, Sec. 12, T. 135, R. 28

(Orla Wilber Van Doren
Martha Van Doren (his wife))

By

L. Knutson.
Brainerd
Minn.

N

Perch Lake

Cement

354°

800

3397

Cement

1200 ft.

MC
Cement

Sec. 12

1565

Sec. 7

MC

Cement

Note: Lake Edward.

about 92° curve
Oct 23-1922

Figuring. Nov 1-1922

Bob and I.

Assuming Knudsen's survey of Clyde
Parker track on Lake Edward as

$$\begin{aligned} \text{Sim } 87349 \times 1200 &= 10481.19 \text{ W} \\ \text{Cor } 48684 \times 1200 &= 584.21 \text{ N} \end{aligned}$$

N 60° 52' W 1200

$$\begin{aligned} \text{Sim } 91555 \times 500 &= 457.80 \text{ W} = 1505.99 \text{ W} \\ \text{Cor } 40221 \times 500 &= 201.10 \text{ S} \quad 785.31 \text{ N} \end{aligned}$$

N 70° 53' W 500

$$\begin{aligned} \text{Sim } 94485 \times 500 &= 472.43 \text{ W} = 1978.42 \text{ W} \\ \text{Cor } 32749 \times 500 &= 163.75 \text{ S} = 949.06 \text{ W} \end{aligned}$$

N 73° 32' W 300

$$\begin{aligned} \text{Sim } 95898 \times 300 &= 287.69 \text{ W} = 2266.11 \text{ W} \\ \text{Cor } 28346 \times 300 &= 85.04 \text{ S} = 1034.10 \text{ N} \end{aligned}$$

2° 18'

$$\begin{aligned} \text{Sim } 04013 \times 200 &= 8.03 \text{ S} \\ \text{Cor } 99919 - 200 &= 200.16 \end{aligned}$$

4° 38'

$$\begin{aligned} \text{Sim } 7788 \times 200 &= 15.63 \\ \text{Cor } 99696 \times & \end{aligned}$$

1° 20'

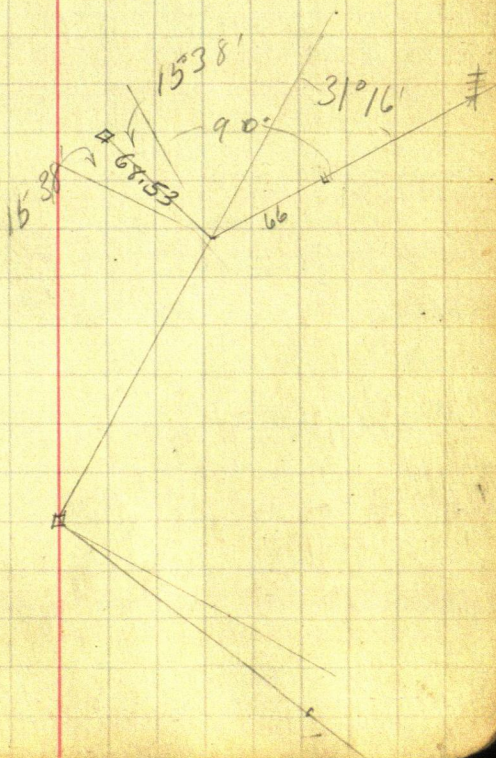
$$\begin{aligned} \text{Sim } 02327 \times & \\ \text{Cor } 99973 \times 200 & \end{aligned}$$

(5)

From CM @ SW Cor' of Clyde
Parkers land run $N 29^{\circ} 7' E$
200.70 set $2 \times 2 \times 30''$ stake 38
ft N of road and 138.90 South
of CM @ NW Cor

At NW Cor turn $31^{\circ} 16' R$ 66 ft
@ 90° to lake shore set $2 \times 2 \times 30''$ stake
sighting NE to telephone pole
across lake near so end of new
road fill over half a mile away

$15^{\circ} 38'$
Sine 26948 =
Cos 96301 =



58

①

4°37'

2°39'

July 25-1923 Tuesday
OW Vandoren Re Staking.

$$\begin{array}{r} \text{sin } 04013 \times 167 = 6.70 \\ \text{cos } 99919 \times 167 \end{array}$$

$$\begin{array}{r} \text{sin } 02327 \times 167 = 3.9 \\ \text{cos } 99973 \times 167 = \end{array}$$

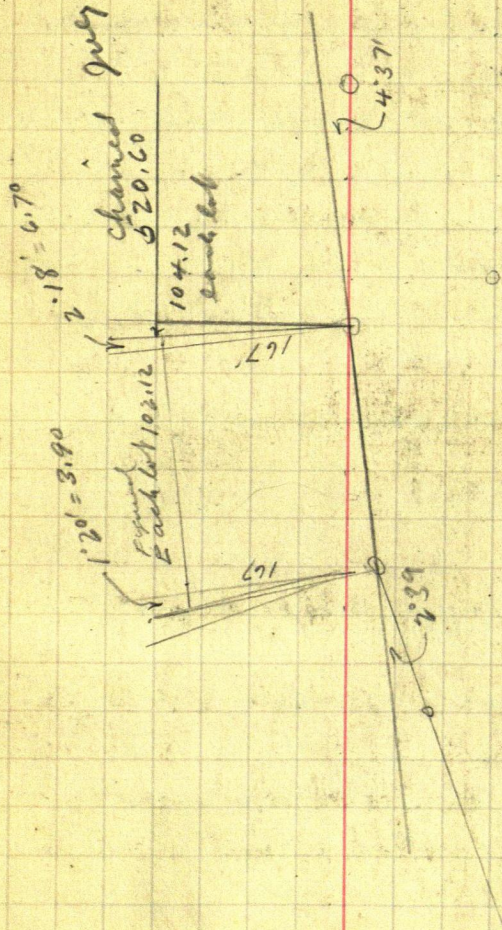
$$\begin{array}{r} 500.00 \\ 31.90 \\ \hline 6.70 \\ 510.60 \end{array}$$

$$\begin{array}{r} 2327 \\ 167 \\ \hline 16289 \\ 13962 \\ 2327 \\ \hline 1102.12 \end{array}$$

$$\begin{array}{r} 4013 \\ 167 \\ \hline 28091 \\ 24078 \\ \hline 4013 \\ \hline 670171 \end{array}$$

Mrs. Kern came last night or this morning

Reed and I in "Baby Grand"
Van Van Deren's 10 am dining with
Van. Van and son Walt
help all day Reed and I drive home
for supper



60

8

①
133-30 sec 11

61

Steckling Survey

Sept 1-1923 Saturday

I am to establish East $\frac{1}{16}$ line for
Wm Steckling Laurel Neb. Bx 64-R2-1nd S.
who owns all of sec 11-133-30 ex-
cept E $\frac{1}{2}$ SE $\frac{1}{4}$ and Gout Lot 1.

Alma Reed-Helen Gowan and I
my Baby-Grand L. Brainerd in PM
Steckling takes me to NW Cor sec 11-
work 3 hours and go back to Brainerd
Meet Pinnley.

Sunday Sept 2-1923. at Hebert
with Mary Harn and family

Sept 3-1923 Monday Labor day
up @ 6 am. Battery goes on the beam and
I cannot get out of Brainerd on line

Geo Lind 213 Farver St Brainerd
Tel 1181 Lg. Asst City Engr will work
for me @ \$5. a day and expenses

We L. Brainerd in my car 8-35 am.
Find Martin Anderson Ch Town Board
Sylvan Twp. and Steckling with his car
waiting. Both cars go to Cor of sec

2-3-10-11-7133 R30 where US notes

Call for post and

Tam	7 S	11° W	12 LKS	=	7.92 FT
"	6 S	73° E	22 "	=	14.52 "
"	6 N	53° W	9 "	=	5.94 "
"	5 N	87° E	25 "	=	16.50 "

Old stumps of NW & SW check OK for distance SE is about 0.70 too close and NE is about 0.70 too far away

We find $3\frac{1}{4}$ in pipe O.K. set by Surveyor Conklin last winter from which I set New BTS up 9' 30' u

Tam 3	1 X	73° 10'	E	20.90 FT
"	6 N	53° 37'	W	42.40 "
"	5 S	67° 54'	W	35.50 "
"	4 S	39° 20'	E	15.42 "

9' 30' u on H & B Transit 300' Ch

10' flat spot at base

From NW on 11-133-30

Ch East on old cut out line in Green

Tam Swamp @ 300 stake 525 Lath up

574 & N + a road about 12 ft u of

gate; 600 stakes on side hill 700 - set

green lath hub 700.75 Lath hub

set by Conklin on hill 900 foot of

hill at big rock 950 reverse N-S

975 foot hill 700 + 300 = 1000 stakes

1115 small meadow N-S-50 ft each

way 1250 cut cranberry bog

1300 stake in bog 100 N - 30 ft 50

1380 Lr bog $1300 + 121.50 = 1421.50$

set $3\frac{1}{2} \times 8'$ green hut on ridge 0.05 of
a foot so of Conklin's Lick 40 ft
E of marsh.

TH MC N=8. W. side Sylvan Lake
bet 2-11-133-30 US Notes say ?
NP 10 N $73^\circ E 84$ Lks = ?

Oak 554' W 53 " = ?

From Hut 1421.50 East a 2" Iron
pipe set by Conklin bears:

$S 1^\circ 44' E 77.00$ ft via slope of hill
Vertical angle reads $15^\circ 00'$

Ua reads $11^\circ 30' E$

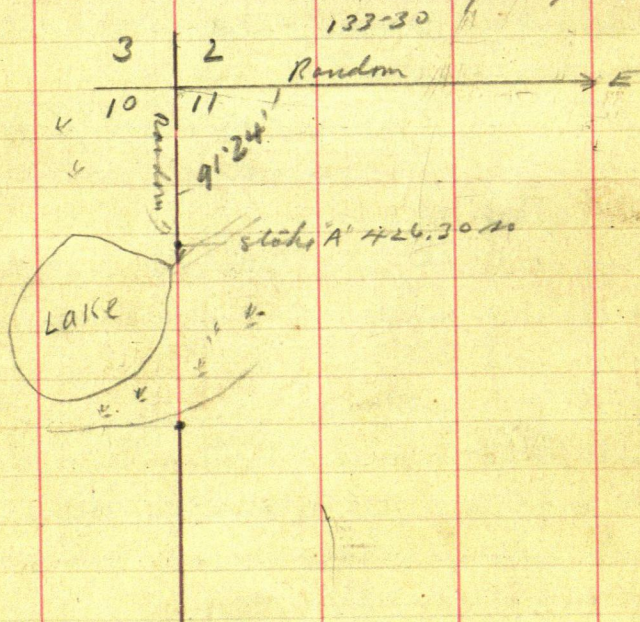
My Hut 1421.50 E is 0.10 of a foot
so of Conklin's Hut which is ruled
 $14 + 22.5$ HUB

15°
Sine .2588 $\times 77. = 19.92$ below
Cosine 96593 $\times 77. = 74.38$

so @ 1421.50 East Conklin's 2" iron pipe
set $S 1^\circ 44' E 74.38$ ft

$1^\circ 44'$
Sine = .3025 $\times 74.38 =$
Cosine = 99954 $\times 74.38 =$

Beg @ NW corner sec 11-133-30 Linn
 91°24' from East random and run
 South on random cut 11-12 59-30'
 in swamp @ 300 stake + 126.30 =
 + 26.30 Tall stake 'A' at NE corner
 of mud Lake 20 ft NW of mouth of
 ditch running NE.
 Cause hut to be on big hill about
 100 rods south from Linn flag ch.



Sept 4-1923 Tuesday

Alma-Reed and I. L. Brainerd 7-30

AM. - Stieckling and Anderson on waiting
in their Dodge for us. Anderson ex-Flg
Stieckling and I ch. perfect PB ch.

Reg @ Hut on big hill Ch H. Lower hill
@ 185 foot of hill cut meadow E-W

300-600-900 stake in meadow + 184.3

1/2 fall stake set 426.30 so. Figuring
back $426.30 + 184.30 = 610.60$ stake

910-60. 1210.60 stake in meadow 1210.60 -

114.40 = 1325 so L. meadow foot of

big hill E-W (Note: Road should go

300 feet or more west to get around pt
of hill) 1510.60 Hut on big hill E-W

ridge: then continue so down hill

$1510.60 + 170.4 = 1681$ S. enter meadow

NW-SE 1810.60 stake in meadow

2027. L. meadow E-W Road should be

150 ft west) 2110.60 stake + 89.40 =

2200. stake Leave at Pillager with
Everla PM

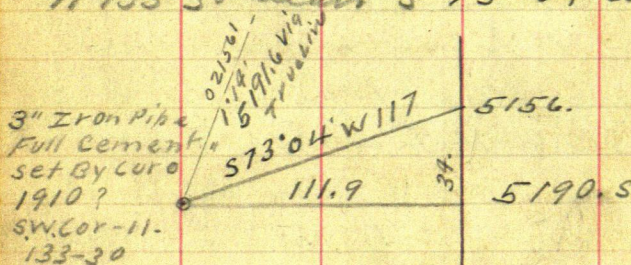
2035.30 Hut 2300 stake 2390

enter Cranberry bog 2400 stake

2700 sth 2800 L. bog NW-E

2858.60 Hut on ridge E-W

2935 touch E edge second meadow
 2990 L1 3000 stake foot of hill
 3111.30 - Two pins 3300 stake 3412.10
 Hut on big hill top 3419.70 Two pins
 3600 stake foot of big hill 3605 enter
 meadow E-W 3830 LV E-W 3900 stake
 3968 ³⁹⁶⁸ ^{iron 2 wire pins E-W} Two pins ? Hut
 4200 stake 4300 cross road NE-SW
 4500 stake 4800 stake 4860 enter field
 E-W 5100 stake 5156 Hut sedge of
 field from which I measure SW corner
 11-133-30 bears S $73^{\circ}04'$ W 116.95 ft



$$\begin{array}{rcl} \text{Sine} & 95664 \times 117 = & 111.90 \\ \text{COS } 17 & 29126 \times 117 = & 34.08 \end{array}$$

LV for home @ 5.50
^{Sine 2153}
 1° 14' Com 99977 into 5190 =

John W Curo

Sept 15-1923 Wed

Lv Brainerd alone in my Baby Grand about
7:45 on Sec 11-133-30 @ 8:20 - Steckling
& son also Martin Anderson waiting
Wm Steckling's Dodge. Flag @ bath SW
and SE Cor Sec 11. Run IM-1" balt set by
Engineer Kruger for E $\frac{1}{16}$ Beg @ SW Cor ch
East along graded road

3-6-9-12-15-18-21-24. stakes 27-15.7 =

2684.30 East find 1" iron balt set by
Kruger for $\frac{1}{4}$ Cor @ 2697.50 E an
old fence runs South 27-30-33-36
3900 stake + 126.70 = 4026.70 Iron
balt under liant Kruger E $\frac{1}{16}$

5100 + 268.50 = 5368.50 = 3" iron Cor
Mon' @ SE Cor Sec 11-133-30

4 into 5368.50 = 1342.125 - 2684.25
+ 4026.375 - 5368.500 OK

Dinner at Pillager - Anderson goes
home to dinner PM.

Steckling and I work alone
Correcting

But Sec 10-11-133-30 =

21561. W for each ft to unless $1^{\circ}14'$

$\frac{1}{4}$ Cor can be found US Natl. say

P/E @ 5 - 00115 534° E 25 = 16.50
N 12 N 17 $\frac{1}{2}$ E 92 = 60.72.

At 2595. So we set hub and line
West 55.95 and set hub Temp 1/4
From stake 2700 s. ch N 105. To 2595.5
Then 90° to random West 55.95 set 3x20
inch pine stake 10 ft W. of W edge of
meadow. New BTS Uj

16" Green hill Jp Mump N 56° 30' W
66.15 ft dead oak stp 125 62° 30' W 43.50
15" Jp Mump S 7° 30' W 10.92 From true line
Tall stake whd true sec line - Road Center
Curv 1/4 Cor. Note. US BTS. Gone 0930'

Correction's Cont'd = .021561 = W = 1/14'

300 S. goes W 6.47
426.3 S " W 9.18
1/4 1297.5 S " W 27.98 To N 1/16 Cor in boy
✓ 1510.6 S " W 32.58
✓ 2035.3 S " W 43.88
1/4 2595.0 S " W 55.95 To 1/4 Cor Bet 10-11
2858.6 S " W 61.66
3111.3 S " W 67.08
✓ 3412.1 S " W 73.57
1/4 3892.5 S " W 83.93 To S 1/16
✓ 3987.8 S " W 85.99
5190. S " W 111.90 To IM Sec Cor

Sept 5 could

(9)

T133-R30

69

From 1210.60 S chain 3.86.90 to 1297.5

Then 90° West 27.98 T. N 1/2

L. for home @ 6:20

Sept 6-1923 Thursday

L. Bud 1:00 PM at 1-40. Sticking

son helps me correct line

3987.8 ch West 85.99 set hub and tall sth

@ 3412.10 S ch W 90° - 73.57 ft set hub and tall

stake in cut on top of big hill from which point the 1/4 corner stake lines perfect

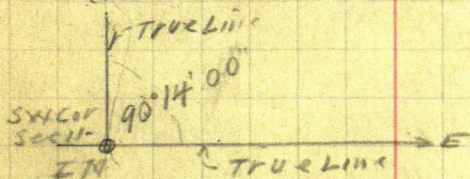
with corrected hub 3987.80 also with IM @ SW Cor Sec 11-133-30 which show

Measurement OK,

At 3412.10 corrected I set 2 stakes E & W and '33.00' T @ IM SW Cor Sec 11 I stake

NE angle of true lines W to body road

3 lines = $90^{\circ}14'00''$



Billy Shade and
my 1/4 bet 11-12-133-30 run years ago by Tom Vary
but his stake is gone - They think Kenger has his line
lost for East - we shall see.
Quit at 6:10 - Home to Mearns

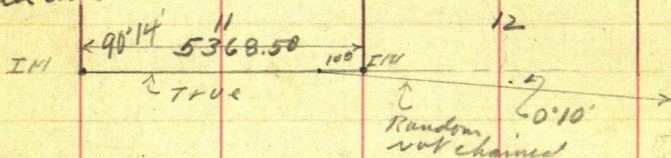
John W. Curo

Sept 7-1923 Friday 133-30

J L Brainerd @ 7-35 on sec 11 @ 8-10 find Stecker
and son waiting

Run over Hat 100 ft West of SE Cor sec 11-
133-30 - back right on IM a mile west
transit telescope - turn $0^{\circ}10'$ R on acct
of fence and continue

East random on E side of Sec 12
Dinner with Everitt



Run one mile about not chained and
set Hat in E. N. & S. graded road

feet south of IM 3" line cor

Sec 7-12-13-18-133-29-30 where we
place a red flag Then drive a mile
North to 3" IM at Cor 1-6-7-12 on

Ry Lambert R29-30 where we mark
New BTS Uij From line line south
Oak 8 N $69^{\circ}05'E$ 49.48 To flat spot 4 ft up
Oak 7 N $20^{\circ}33'W$ 116.00 To flat spot at base
2x20" Oak stake S $45^{\circ}W$ 38.25 To center of stk
Oak 6 S $27^{\circ}30'E$ 66.07 To Flat Spot at base
Var Reads $10^{\circ}50'$ Turned from line line looking S.
Cor - 25 ft S of old fence
running west John W. Curro

Time Sheet Working For Wm Steeking @ \$15.00 day and Exp
dept 1923

Sept 1923

MS

10
8
7
6
5
4
3
2
1
SON

Hours 3

John W Cero K

Oct

Martin Anderson

Winferting

His Car

Henry Steeking

Geo Lind Asst Engr @ 85-

Hours	3	7	8	9	4	9	3
Miles	0	45	40	00	30	45	35
	\$1.50	0	8	8	8	5	8
		1.50	1.50	1.50	1.50	1.50	1.50

John W Cero K

Oct

Martin Anderson

Winferting

His Car

Henry Steeking

Geo Lind Asst Engr @ 85-

Paid by Cash in cash

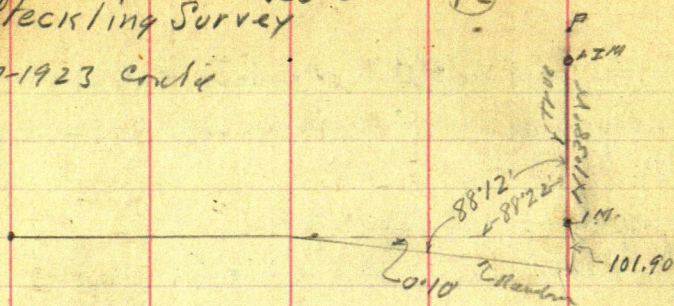
72

Steckling Survey

133-30

(12)

Sept 7-1923 cont'd



New work line unit on line in big hill about 200 ft
N of NE Cor 12- with red flag a mile so @ SE
Cor of 12- then go a mile to and intersect
our random East with an intersection of
E line of sec 12 extended NW angle of
random with E line of sec 12 made $88^{\circ}12'$

 $88^{\circ}12'$ 0.10 $88^{\circ}22'$ 1.00 $89^{\circ}60'$

OK.

E line of sec 12 run $N 1^{\circ}38' W$
using so line sec 11- on

both E & W. From PI Hat to NE Cor 12
is 101.90 ft Note: at SE Cor 12-133-30
3" ZM is tipped 3" North- we straighten it.

From ZM @ SE Cor sec 11- sight a
mile West on I.M. Verrier @ 90° turn
telescope R. and run $N 0^{\circ}56' W$ and
set Hat at Mean Course bet E line
of 12 and W line of sec 11- 133-30

Quit at 6.20 Home to Prance

Sept 8-1923 Saturday

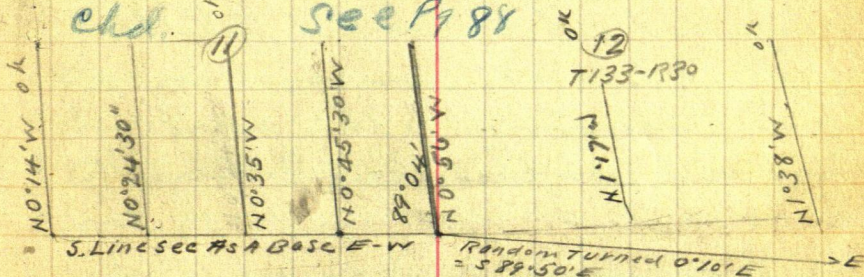
Raining: Figure corrections

0°14' Tang. $.00407 \times 1000 =$

1°38' " $.02851 \times " =$

0°56' " $.01629 \times " =$

Chd. See P 88



Note To RUN the $\frac{1}{16}$ lines Beg @ SE cor 12
each $\frac{1}{16}$ line $0^{\circ} 10' 30''$ Less to the Left
than the East line of sec 12. (except in sec 12)

Fig: E. Line sec 11 runs N $0^{\circ} 56' W$
E $\frac{1}{16}$ " " " " N $0^{\circ} 45' 30'' W$
 $\frac{1}{4}$ " " " " " N $0^{\circ} 35' 00'' W$
W $\frac{1}{16}$ " " " " " N $0^{\circ} 24' 30'' W$ To E & W
then it may cross

Note The Nth & S Lines of Sec 12-133-30 DO
NOT apply as the $\frac{1}{4}$ and MC on N side
of 12- effect its own N-S Line
Cloudy and rain all day.

Lu Red. PM on 2-50 - work till 6-15 Beg @
SE Cor run N $0^{\circ} 56' W$: 3-6-9-12-15-18-21-24-27-30-33-36-39-42-45-48-51-54-57-60-63-66-69-72-75-78-81-84-87-90-93-96-99-102-105-108-111-114-117-120-123-126-129-132-135-138-141-144-147-150-153-156-159-162-165-168-171-174-177-180-183-186-189-192-195-198-201-204-207-210-213-216-219-222-225-228-231-234-237-240-243-246-249-252-255-258-261-264-267-270-273-276-279-282-285-288-291-294-297-300-303-306-309-312-315-318-321-324-327-330-333-336-339-342-345-348-351-354-357-360-363-366-369-372-375-378-381-384-387-390-393-396-399-402-405-408-411-414-417-420-423-426-429-432-435-438-441-444-447-450-453-456-459-462-465-468-471-474-477-480-483-486-489-492-495-498-501-504-507-510-513-516-519-522-525-528-531-534-537-540-543-546-549-552-555-558-561-564-567-570-573-576-579-582-585-588-591-594-597-600-603-606-609-612-615-618-621-624-627-630-633-636-639-642-645-648-651-654-657-660-663-666-669-672-675-678-681-684-687-690-693-696-699-702-705-708-711-714-717-720-723-726-729-732-735-738-741-744-747-750-753-756-759-762-765-768-771-774-777-780-783-786-789-792-795-798-801-804-807-810-813-816-819-822-825-828-831-834-837-840-843-846-849-852-855-858-861-864-867-870-873-876-879-882-885-888-891-894-897-900-903-906-909-912-915-918-921-924-927-930-933-936-939-942-945-948-951-954-957-960-963-966-969-972-975-978-981-984-987-990-993-996-999-1002-1005-1008-1011-1014-1017-1020-1023-1026-1029-1032-1035-1038-1041-1044-1047-1050-1053-1056-1059-1062-1065-1068-1071-1074-1077-1080-1083-1086-1089-1092-1095-1098-1101-1104-1107-1110-1113-1116-1119-1122-1125-1128-1131-1134-1137-1140-1143-1146-1149-1152-1155-1158-1161-1164-1167-1170-1173-1176-1179-1182-1185-1188-1191-1194-1197-1200-1203-1206-1209-1212-1215-1218-1221-1224-1227-1230-1233-1236-1239-1242-1245-1248-1251-1254-1257-1260-1263-1266-1269-1272-1275-1278-1281-1284-1287-1290-1293-1296-1299-1302-1305-1308-1311-1314-1317-1320-1323-1326-1329-1332-1335-1338-1341-1344-1347-1350-1353-1356-1359-1362-1365-1368-1371-1374-1377-1380-1383-1386-1389-1392-1395-1398-1401-1404-1407-1410-1413-1416-1419-1422-1425-1428-1431-1434-1437-1440-1443-1446-1449-1452-1455-1458-1461-1464-1467-1470-1473-1476-1479-1482-1485-1488-1491-1494-1497-1500-1503-1506-1509-1512-1515-1518-1521-1524-1527-1530-1533-1536-1539-1542-1545-1548-1551-1554-1557-1560-1563-1566-1569-1572-1575-1578-1581-1584-1587-1590-1593-1596-1599-1602-1605-1608-1611-1614-1617-1620-1623-1626-1629-1632-1635-1638-1641-1644-1647-1650-1653-1656-1659-1662-1665-1668-1671-1674-1677-1680-1683-1686-1689-1692-1695-1698-1701-1704-1707-1710-1713-1716-1719-1722-1725-1728-1731-1734-1737-1740-1743-1746-1749-1752-1755-1758-1761-1764-1767-1770-1773-1776-1779-1782-1785-1788-1791-1794-1797-1800-1803-1806-1809-1812-1815-1818-1821-1824-1827-1830-1833-1836-1839-1842-1845-1848-1851-1854-1857-1860-1863-1866-1869-1872-1875-1878-1881-1884-1887-1890-1893-1896-1899-1902-1905-1908-1911-1914-1917-1920-1923-1926-1929-1932-1935-1938-1941-1944-1947-1950-1953-1956-1959-1962-1965-1968-1971-1974-1977-1980-1983-1986-1989-1992-1995-1998-2001-2004-2007-2010-2013-2016-2019-2022-2025-2028-2031-2034-2037-2040-2043-2046-2049-2052-2055-2058-2061-2064-2067-2070-2073-2076-2079-2082-2085-2088-2091-2094-2097-2100-2103-2106-2109-2112-2115-2118-2121-2124-2127-2130-2133-2136-2139-2142-2145-2148-2151-2154-2157-2160-2163-2166-2169-2172-2175-2178-2181-2184-2187-2190-2193-2196-2199-2202-2205-2208-2211-2214-2217-2220-2223-2226-2229-2232-2235-2238-2241-2244-2247-2250-2253-2256-2259-2262-2265-2268-2271-2274-2277-2280-2283-2286-2289-2292-2295-2298-2301-2304-2307-2310-2313-2316-2319-2322-2325-2328-2331-2334-2337-2340-2343-2346-2349-2352-2355-2358-2361-2364-2367-2370-2373-2376-2379-2382-2385-2388-2391-2394-2397-2400-2403-2406-2409-2412-2415-2418-2421-2424-2427-2430-2433-2436-2439-2442-2445-2448-2451-2454-2457-2460-2463-2466-2469-2472-2475-2478-2481-2484-2487-2490-2493-2496-2499-2502-2505-2508-2511-2514-2517-2520-2523-2526-2529-2532-2535-2538-2541-2544-2547-2550-2553-2556-2559-2562-2565-2568-2571-2574-2577-2580-2583-2586-2589-2592-2595-2598-2601-2604-2607-2610-2613-2616-2619-2622-2625-2628-2631-2634-2637-2640-2643-2646-2649-2652-2655-2658-2661-2664-2667-2670-2673-2676-2679-2682-2685-2688-2691-2694-2697-2700-2703-2706-2709-2712-2715-2718-2721-2724-2727-2730-2733-2736-2739-2742-2745-2748-2751-2754-2757-2760-2763-2766-2769-2772-2775-2778-2781-2784-2787-2790-2793-2796-2799-2802-2805-2808-2811-2814-2817-2820-2823-2826-2829-2832-2835-2838-2841-2844-2847-2850-2853-2856-2859-2862-2865-2868-2871-2874-2877-2880-2883-2886-2889-2892-2895-2898-2901-2904-2907-2910-2913-2916-2919-2922-2925-2928-2931-2934-2937-2940-2943-2946-2949-2952-2955-2958-2961-2964-2967-2970-2973-2976-2979-2982-2985-2988-2991-2994-2997-3000-3003-3006-3009-3012-3015-3018-3021-3024-3027-3030-3033-3036-3039-3042-3045-3048-3051-3054-3057-3060-3063-3066-3069-3072-3075-3078-3081-3084-3087-3090-3093-3096-3099-3102-3105-3108-3111-3114-3117-3120-3123-3126-3129-3132-3135-3138-3141-3144-3147-3150-3153-3156-3159-3162-3165-3168-3171-3174-3177-3180-3183-3186-3189-3192-3195-3198-3201-3204-3207-3210-3213-3216-3219-3222-3225-3228-3231-3234-3237-3240-3243-3246-3249-3252-3255-3258-3261-3264-3267-3270-3273-3276-3279-3282-3285-3288-3291-3294-3297-3300-3303-3306-3309-3312-3315-3318-3321-3324-3327-3330-3333-3336-3339-3342-3345-3348-3351-3354-3357-3360-3363-3366-3369-3372-3375-3378-3381-3384-3387-3390-3393-3396-3399-3402-3405-3408-3411-3414-3417-3420-3423-3426-3429-3432-3435-3438-3441-3444-3447-3450-3453-3456-3459-3462-3465-3468-3471-3474-3477-3480-3483-3486-3489-3492-3495-3498-3501-3504-3507-3510-3513-3516-3519-3522-3525-3528-3531-3534-3537-3540-3543-3546-3549-3552-3555-3558-3561-3564-3567-3570-3573-3576-3579-3582-3585-3588-3591-3594-3597-3600-3603-3606-3609-3612-3615-3618-3621-3624-3627-3630-3633-3636-3639-3642-3645-3648-3651-3654-3657-3660-3663-3666-3669-3672-3675-3678-3681-3684-3687-3690-3693-3696-3699-3702-3705-3708-3711-3714-3717-3720-3723-3726-3729-3732-3735-3738-3741-3744-3747-3750-3753-3756-3759-3762-3765-3768-3771-3774-3777-3780-3783-3786-3789-3792-3795-3798-3801-3804-3807-3810-3813-3816-3819-3822-3825-3828-3831-3834-3837-3840-3843-3846-3849-3852-3855-3858-3861-3864-3867-3870-3873-3876-3879-3882-3885-3888-3891-3894-3897-3900-3903-3906-3909-3912-3915-3918-3921-3924-3927-3930-3933-3936-3939-3942-3945-3948-3951-3954-3957-3960-3963-3966-3969-3972-3975-3978-3981-3984-3987-3990-3993-3996-4000-4003-4006-4009-4012-4015-4018-4021-4024-4027-4030-4033-4036-4039-4042-4045-4048-4051-4054-4057-4060-4063-4066-4069-4072-4075-4078-4081-4084-4087-4090-4093-4096-4099-4102-4105-4108-4111-4114-4117-4120-4123-4126-4129-4132-4135-4138-4141-4144-4147-4150-4153-4156-4159-4162-4165-4168-4171-4174-4177-4180-4183-4186-4189-4192-4195-4198-4201-4204-4207-4210-4213-4216-4219-4222-4225-4228-4231-4234-4237-4240-4243-4246-4249-4252-4255-4258-4261-4264-4267-4270-4273-4276-4279-4282-4285-4288-4291-4294-4297-4300-4303-4306-4309-4312-4315-4318-4321-4324-4327-4330-4333-4336-4339-4342-4345-4348-4351-4354-4357-4360-4363-4366-4369-4372-4375-4378-4381-4384-4387-4390-4393-4396-4399-4402-4405-4408-4411-4414-4417-4420-4423-4426-4429-4432-4435-4438-4441-4444-4447-4450-4453-4456-4459-4462-4465-4468-4471-4474-4477-4480-4483-4486-4489-4492-4495-4498-4501-4504-4507-4510-4513-4516-4519-4522-4525-4528-4531-4534-4537-4540-4543-4546-4549-4552-4555-4558-4561-4564-4567-4570-4573-4576-4579-4582-4585-4588-4591-4594-4597-4600-4603-4606-4609-4612-4615-4618-4621-4624-4627-4630-4633-4636-4639-4642-4645-4648-4651-4654-4657-4660-4663-4666-4669-4672-4675-4678-4681-4684-4687-4690-4693-4696-4699-4702-4705-4708-4711-4714-4717-4720-4723-4726-4729-4732-4735-4738-4741-4744-4747-4750-4753-4756-4759-4762-4765-4768-4771-4774-4777-4780-4783-4786-4789-4792-4795-4798-4801-4804-4807-4810-4813-4816-4819-4822-4825-4828-4831-4834-4837-4840-4843-4846-4849-4852-4855-4858-4861-4864-4867-4870-4873-4876-4879-4882-4885-4888-4891-4894-4897-4900-4903-4906-4909-4912-4915-4918-4921-4924-4927-4930-4933-4936-4939-4942-4945-4948-4951-4954-4957-4960-4963-4966-4969-4972-4975-4978-4981-4984-4987-4990-4993-4996-5000-5003-5006-5009-5012-5015-5018-5021-5024-5027-5030-5033-5036-5039-5042-5045-5048-5051-5054-5057-5060-5063-5066-5069-5072-5075-5078-5081-5084-5087-5090-5093-5096-5099-5102-5105-5108-5111-5114-5117-5120-5123-5126-5129-5132-5135-5138-5141-5144-5147-5150-5153-5156-5159-5162-5165-5168-5171-5174-5177-5180-5183-5186-5189-5192-5195-5198-5201-5204-5207-5210-5213-5216-5219-5222-5225-5228-5231-5234-5237-5240-5243-5246-5249-5252-5255-5258-5261-5264-5267-5270-5273-5276-5279-5282-5285-5288-5291-5294-5297-5300-5303-5306-5309-5312-5315-5318-5321-5324-5327-5330-5333-5336-5339-5342-5345-5348-5351-5354-5357-5360-5363-5366-5369-5372-5375-5378-5381-5384-5387-5390-5393-5396-5399-5402-5405-5408-5411-5414-5417-5420-5423-5426-5429-5432-5435-5438-5441-5444-5447-5450-5453-5456-5459-5462-5465-5468-5471-5474-5477-5480-5483-5486-5489-5492-5495-5498-5501-5504-5507-5510-5513-5516-5519-5522-5525-5528-5531-5534-5537-5540-5543-5546-5549-5552-5555-5558-5561-5564-5567-5570-5573-5576-5579-5582-5585-5588-5591-5594-5597-5600-5603-5606-5609-5612-5615-5618-5621-5624-5627-5630-5633-5636-5639-5642-5645-5648-5651-5654-5657-5660-5663-5666-5669-5672-5675-5678-5681-5684-5687-5690-5693-5696-5699-5702-5705-5708-5711-5714-5717-5720-5723-5726-5729-5732-5735-5738-5741-5744-5747-5750-5753-5756-5759-5762-5765-5768-5771-5774-5777-5780-5783-5786-5789-5792-5795-5798-5801-5804-5807-5810-5813-5816-5819-5822-5825-5828-5831-5834-5837-5840-5843-5846-5849-5852-5855-5858-5861-5864-5867-5870-5873-5876-5879-5882-5885-5888-5891-5894-5897-5900-5903-5906-5909-5912-5915-5918-5921-5924-5927-5930-5933-5936-5939-5942-5945-5948-5951-5954-5957-5960-5963-5966-5969-5972-5975-5978-5981-5984-5987-5990-5993-5996-6000-6003-6006-6009-6012-6015-6018-6021-6024-6027-6030-6033-6036-6039-6042-6045-6048-6051-6054-6057-6060-6063-6066-6069-6072-6075-6078-6081-6084-6087-6090-6093-6096-6099-6102-6105-6108-6111-6114-6117-6120-6123-6126-6129-6132-6135-6138-6141-6144-6147-6150-6153-6156-6159-6162-6165-6168-6171-6174-6177-6180-6183-6186-6189-6192-6195-6198-6201-6204-6207-6210-6213-6216-6219-6222-6225-6228-6231-6234-6237-6240-6243-6246-6249-6252-6255-6258-6261-6264-6267-6270-6273-6276-6279-6282-6285-6288-6291-6294-6297-6300-6303-6306-6309-6312-6315-6318-6321-6324-6327-6330-6333-6336-6339-6342-6345-6348-6351-6354-6357-6360-6363-6366-6369-6372-6375-6378-6381-6384-6387-6390-6393-6396-6399-6402-6405-6408-6411-6414-6417-6420-6423-6426-6429-6432-6435-6438-6441-6444-6447-6450-6453-6456-6459-6462-6465-6468-6471-6474-6477-6480-6483-6486-6489-6492-6495-6498-6501-6504-6507-6510-6513-6516-6519-6522-6525-6528-6531-6534-6537-6540-6543-6546-6549-6552-6555-6558-6561-6564-6567-6570-6573-6576-6579-6582-6585-6588-6591-6594-6597-6600-6603-6606-6609-6612-6615-6618-6621-6624-6627-6630-6633-6636-6639-6642-6645-6648-6651-6654-6657-6660-6663-6666-6669-6672-6675-6678-6681-6684-6687-6690-6693-6696-6699-6702-6705-6708-6711-6714-6717-6720-6723-6726-6729-6732-6735-6738-6741-6744-6747-6750-6753-6756-6759-6762-6765-6768-6771-6774-6777-6780-6783-6786-6789-6792-6795-6798-6801-6804-6807-6810-6813-6816-6819-6822-6825-6828-6831-6834-6837-6840-6843-6846-6849-6852-6855-6858-6861-6864-6867-6870-6873-6876-6879-6882-6885-6888-6891-6894-6897-6900-6903-6906-6909-6912-6915-6918-6921-6924-6927-6930-6933-6936-6939-6942-6945-6948-6951-6954-6957-6960

74 11-133-30

14 Wm Stickleling
Survey

Sept 10 - 1923 Monday

Raining Lt Beaman 9-9m Find Stickleling
digging potatoes. I decide not to let him
help me run the final E $\frac{1}{16}$ Sec 11-133-30
to go and get Schulte

or flagman. I explain just how I
have proceeded up to this point -

Let him look thro thescope: Carefully
turn angle re Mt. Temp E $\frac{1}{16}$ A side
Sec 11 - I measure .33/100 of a foot West
and 0.20 of a foot so and set small pin
in ~~EE~~ W road for True $\frac{1}{16}$ over which
I set transit look West Vernier @ 90°
and run N 0° 45' 30" W - Line cuts
Hinger on West end of gate passing
0.10 of a foot East of West gate post half
a mile North where I take transit
set small 1" Hub and with Schulte
still or flagman continue line
N 0° 45' 30" W to lake shore where
Schulte goes wild over the land he
never had. I go to Pillager - Lake M^cWain
to dinner - call up Stickleling who comes
for his new Battery - explain matter - see
Pillager and return home to Beaman

6-30

John W. Curo

Working For Myself ⁽¹⁵⁾
SYLVAN BEACH. 75

Sept 11-1923 Tuesday. at Red

Sept 12-1923 Wed at Red

Sept 13-1923 Thursday.

I get Geo Johnson 704-4th Ave NE
Birmingham Tel 921 W. who is to help me
I am working for myself in platting
Schulke's land @ \$300. plat.

Johnson Bridge Contractor

calls me to Newford Hotel on survey
matter. Geo and I to Red 10-AM.

Monkey Tasting Stadia near SW corner
12-133-30 and eat dinner at Pilgrage
35¢ + 35¢. P.M.

We work on Schulke's survey

Reg @ Hat 3150 N bet Secs 11-12
133-30 on "True Line". In order to cut
no trees I turn N 1°20' W and continue
line 153.50 // to Hat then N 1°50' W 468.4
468.40 To Hat 1. ft S of E x fence

1°20'

$$\begin{array}{l} \text{Sine } 0.233 \times 153.50 = 3.58 \text{ W OK} \\ \text{Cosine } 99.973 \times " = 153.5 + 3150 = 3303.5 \text{ N} \end{array}$$

1°50'

$$\begin{array}{l} \text{Sine } 0.320 \times 468.4 = 14.99 \text{ W} + 3.58 = 18.57 \text{ W OK} \\ \text{Cosine } 99.949 \times 468.4 = 468.17 + 3303.5 = 3771.67 \text{ N} \end{array}$$

Sept 14-1923 Friday

With Hennepin Bridge Co Men Wk
L H Johnson P O Box 421 upl. Phone Atlantic
0295. T. plat Paper Mill Lbs @ \$250.

Reed and I survey Gruenkegen
Bldg and Koop Bldg for Prod. State Bank. Rain

Sept 15-1923 Saturday.

Geo Johnson and I work from 7 am
till noon for Neil O'Brien on Bluff
Ave \$10. P.M.

Alma-Reed and I to Huntisville
vis Jenkins Play with C L Hill

Sept 16-1923 Sunday

Chicken season opens - all go hunting
3 chicken for me and 3 for Hill
Play with Hill

Sept 17-1923 Monday

Rain all day Hunt till noon Lunch
out drive to Maumet home @ 8 PM.

Sept 18 - 1923 Tuesday

All forenoon in Brainerd @ 25²⁵ for Betty
P.M.

Joe Johnson and I L. Bed in my car @
1-15 P.M. Schulte will not accept
E $\frac{1}{16}$ line sec 11-133-34 or I have it in

Johnson and I go to my Hut 3303.5
N then to Hut 3771.67N Back right on
Hut 3303.5 turn 1'50" R at Hut Transit
telescope run HH

Hut 468.40 = 3771.67 N from which strike

Krogers section Hut is 1.00 ft N and 2.20 W

Find line run 0'20" S of W or S 89'40" W about

Hut 3771.67N 18.57

N 150° W 468.40

358

3303.5 N.

N 150° W

1'20"

3258 N.

r section assumed N

at Hub 468.40 focus $S 1^{\circ} 50' E$ on K_{10}
 153.5. Turn $1^{\circ} 50' R$ to random. Then turn
 90° more and set back shot about 300'
 West. Then run East 18.57 ft and set
 Hub. $R @ 18.57$ being Hub 3771.67
 which is on True line (unless we
 find old US BTS on Lake) we continue
 North on true line? (being really
 $N 0^{\circ} 56' W$ - see page 73) $+ 13.93 = 3785.60$
 Hub $+ 227.4 = 4013$. N. Hub on sea
 wall. From which turn $M C$ - bear
 West (90°) 3.30 ft

$M C$ No 9 bet 12-13-133-30 rapid

Sylvan Lake US notes call for

$N P 22 N 30^{\circ} E 6$ Lks - 3.96

$B P 85 68^{\circ} W 25$ Lks - 16.50 ft

We find slip of old US BT from which we
 set $1 \times 6"$ stake buried from line in 0.10 .

Quit at 6-P.M. See Fleckling: Home to
 Brainerd $\frac{1}{2}$ day.

Temporary Correction =

. 00082233 of offset West for each ft North.

3771.67 N goes West 3.10

3785.60 N " " 3.11

4013.00 N " " 3.30

Changed See Pg 88

Sept 19-1923 Wed.

Geo Johnson and I L. @ 8.9 mi in mylar
T & MC. Back sight on Corrected Ht 3.11
but find 2 small ash trees on line

π over random Ht 4013 Back sight

S $0^{\circ}56'E$ on random and lake points

USMC. N $2^{\circ}9'$ bear West 3.30 ft P 187

IM-N $88^{\circ}15'W$ 18.9 (Kruger's MC.?)

N Gal. Port in N-S-Fence N $87^{\circ}55'W$ 81. T. &

IM in pile of stone under N-S-Fence N $84^{\circ}E$ 81.5

IM N $84^{\circ}50'E$ 181.5

Chained from my Temp. MC. but taken from
Temp Ht 4013.

Slidid From Ht 4013. run

N $72^{\circ}30'E$ 2.25 - 30 ft. to top seawall - 14 ft. water

N $62^{\circ}15'E$ 3.40 - 24 " " " " - 9 " "

N $62^{\circ}50'E$ 4.20 - 27 " " " " - 14 " "

N $62^{\circ}50'E$ 4.20 Ht

Take elevation of lake and set line of
pins around edge of solid point 3. ft
above water. West end of marsh 1. ft
above lake lies East about 150 ft

Quit at 6 P.M. Home to Brainerd

Dinner with Everett at Pelaza 25 x 25 x 500

John W. Cune

Sept 20-1923 Thursday

Johnson and I start at 9 a.m. Stop at
Stadlbam Garage 50' and 16° for top of
L. Bed 10-20 at 11 a.m.

From Hub 4.20 back sight 562° 50' W

Take lip of narrow 6 ft sea wall

S 87° 30' E 93 ft Top 6' sea wall

N 88° E E 1.10 To string ditch 3 ft above L. B.

N 81° E 1.20 Top 6' sea wall

N 63° E 155 " 10' " "

Dinner with Evesta PM

Taking 3 ft elevation prism set

S 85° 30' E 1.42 = 20 ft from mark

S 78° 30' E 1.55 = 20 " " "

S 74° E 2.10 = 25 " " "

South about 70 ft to mark 1.5 above Lake

π @ 4.20 Run N 56° 25' E 2.77 Hub

set row of stakes around v. end of
swamp 3 ft above lake then with

π @ 2.77 back sight 556° 25' W and

like contour stakes vj

S 41° 30' W 1.30 = 10' E of top 20' ^(4" to mark) sea wall

S 48° 30' W 60 ft 5' to mark 15 ft Top 30' S. wall

S 75° E 23 ft 5' to mark

N 77° E 1.25 ft 5' to mark

N 88° 30' E 1.75 ft 5' to mark

S 81° 20' E 2.27 - ft 5 ft to marsh

π @ 2.77 Top of sea wall

S 65° W 60 ft 15 ft to foot - 30 to water

N 15° W 12 ft T. of wall 12 to foot 24 to water

N 48° E 70 ft 15 ft to foot - 30 to water

N 47° 23' E 1.5 to Tall alk 15 ft to foot 30 to water

From 2.77 run N 29° 54' E 4.00 to Hub in sand

π @ 4.00 Back sight S 29° 54' W and take Tall stks

S 5° 15' W 1.25 ft 20 ft from foot 40 from water

S 70° E 40 ft T. stks 15 ft to foot 35 to water 50 to top of big Hill

N 35° 10' E 1.33 alk 12 ft from foot 35 to water - 50 to top of big Hill

From 4.00 Run N 15° 52' E 2.56 Hub in Sand Beach

" " " N 13° 33' E 4.40 Hub on Sand beach

" " " N 12° 31' E 6.34 to Hub 2.6 ft W of M.C.

" " " N 12° 44' E 6.35 to IM Temp. M.C.

π @ 2.56 Back sight S 15° 52' W Take Tall Stakes

S 34° 15' E 65 ft 10 ft to foot 75 to top 50 to water

N 49° 20' E 75 ft 10 ft to foot 50 to top 50 to water

Hub 4.40 in 16 pcs - 48 ft T. to top 50 ft to water

Sea Wall - Lower Shore

π @ Hub 6.34 Back sight S 12° 31' W on Hub 4.00 + Run

East (Should be Parallel with So Line of Sec 12?)

Lv @ 6-p.m.

Sept 21-1923 Friday

Geo. Johnson - Helen Bair - Alma
Ruff and I don't go to work @ 10 AM.
but go to the Pillager fair instead
\$1.25 dinner \$2.50 Fair Home @ 6 PM.

Sept 22-1923 Sat. Mary Hannah & Mrs.
Sherwin low 50. Guy Todd dies
early this morning.

Sept 23-1923 To Jenkins

Sept 24-1923 Monday T. P. Rapids to
Guy Todd funeral -

Sept 24-25-26-27-28 - At Hamberling's
Resort Jenkins Home 1. Bed.

Sept 29-1923 Sat. Bain All day - In Bed.

Sept 30-1923 Sunday - Last Day for
CHICKENS

Helen - Alma - Bed & I go to Sylvan Lake
at 12-25 PM. I go to MCN-10. ME mile. I go

but see 1-12 FIBS 130 where 15 N. 130

NP 24 N 60 E 24 = 15.84 FT

125 29 E 37 = 24.42

Shoot Chicksen S. P. due Helen

Oct 1-1923 Monday

Alma - Geo Johnson go with me
My Car goes bad and I return
to Brainerd Geo and I survey
Model Laundry Bldgs in
A.M. P.M.

Johnson and his Ford takes
me and Alma to Sylvan
Lake Lv for home @ 6-P.M.

Vali: In A.M. - Bob
Campbell helps me map
up Laundry Bldgs

Oct 2-1923 Tuesday

I finish tracing for
Brainerd Natl Bank

Geo Johnson and his Ford
takes me to Viroqua where I
meet Wesley Dwight and
their Buick we work on
survey of Tiltsworth land
in Sec 24-135-29 See
other book Home @ 6-10

\$11. T. Stodlbauer Garage
for repairs John W Curo

See Big Book, N. 2 P. 82

84

24

Oct 3-1923 Wed.

Lv @ 9-9m with Geo Johnson and my car
Take lunch. Beg @ Hub 329.4 E of MC.
N° 10-133-30 turn 90° and run South 140 Hub
S 8° W 300 slake Cook lunch

PM.

Went MC N° 10- by flat chain from
face of old US-BTS. and set small
Hub after which BTS stand as follows
24" NP slump N 43° 30' E 15.84 ft
NP 12 S 29° E 24.42 ft Green line standing
@ 7° 30' Var (Note: My random is run
on 8°) IM Set by St Paul Surveyor
sets 1.00 South and 0.20 West

Note: I will leave the street here
an extra foot (34) wide and will
chain the 33 ft from his iron

See Page 81. T @ Media Hub 6.34
back sight S 12° 31' W and run

East @ 2.40 ft IM sets N 0.20 of a foot

@ 2.60 my line MC Hub sets N 1.20 ft

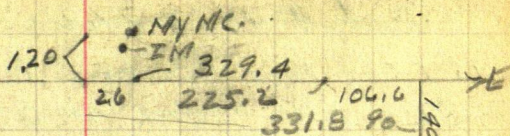
@ 225.2 feet Hub on hill left + 106.6

= 331.8 Hub set 229.20 E of True MC.

T over 229.20 run South 140. Hub

T @ 140. run S 8° W 300 slake 386.5 Hub

T @ 386.5 run S 26° 22' W @ 192.4 Hub + 244



Oct 4-1923 Thursday

I take Geo Johnson to Hubert
See Big Book No 2.

Oct 5-6-7-8-

Oct 9-1923 Tuesday

Alma and I alone go to Sylvan Lake

At noon eat our lunch P.M.

USNaler: Recd from At Paul

"Copy of Gout Field Naler of true line bet
Decr 11-12-133-30 North Bet 11-12-V 11'30'
40.00 $\frac{1}{2}$ Post

Oak 85 37° W 91 LKS

BP in 145 78 E 264 =

4800 Julia Mark NE-NW

5450 Lu " SE-SW

6026 Lake Set M.C. = 3977.16 ⁰¹⁵

NP 22 N 80° E 6 = 3.96

BP 85 68 W 25 = 16.50

East line line bet 2-11 V 11'45'

1300 Lu Swamp

2150 Lake Act M.C.

WP 10 N 73 E 84

Oak 55 x W 53

Surveyed 1870

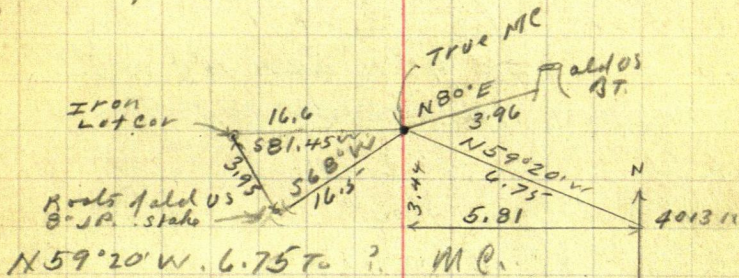
(See also Page 78 This Book)

Pullager Lake

Oct 9-1923 cont'd

Town Hb 222.2 over 4.20 placidia does not
quite check - 15 T. 20 off 45 for 40?

We find the slump of US BT. plainly marked at MC N^o 9. To side Sylvan Lake but Secs 11-12-133-30 from which we set a small hub for the True M.C. Turned from line line S. X over True M.C. rim S 68° W 25 Lks - 16.50 ft set stake & of old rock of 8" of US BT.



Oct 17-1923 Recd ch \$125

0.05' Correction .0014467 W

4016.44 N goes W 5.81

3785.60 N " "

3771. 67 N

3250, N " " 4, 70

3200	N	4.63
------	---	------

3150	IN	456
------	----	-----

See Pg 73-77.

Oct 18-1923

I pick up Bill Leado at Sulvan
10-30 am. We set 3' contour stakes
Dinner at Pülager with Everla 25° & 25°
PM

Figuring Corrections.

Changed: See Page 78.

Ht 4013. N. MC N° Sets

N 59° 20' W. 6.75 Ft

$$\sin R = 86015 \times 6.75 = 5.81 \text{ W}$$

$$\cos R = 5100 \times 6.75 = 3.44 \text{ N}$$

$$4013. + 3.44 = 4016.44 \text{ N MC W } 5.81$$

$$4016.44 \text{ into } 5.81 = .0014467 = 0.5'$$

Put flag @ SW corner 11-133-30. Not

π @ E 1/4 Sect 11-14 - Back right West corner
North 0° 49' 15" W 16 ft on Green's
sign board half a mile North where I
drop plumb-bob and set Hat when I set
liamit and find that my line hits a
6" oak tree near lake so I set my hat
0.35 of a foot West so as to miss
the 6" oak tree 80 rods North and
continue line to lake and drive
2" pipe 3 ft long 1/2 foot from edge of steep
green sea wall. Supper and over
night with Geo Ramsey at Sulvan Mo
Quit @ 6 am.

John W. Carr

0.49'15"

Difference in
angle is 0.11'45"

See Pg 73

N 0° 14' W

N 0° 25' 45"

N 0° 37' 30"

N 0° 49' 15"

N 0° 51' 00"

N 0° 51' 00"

N 0° 51' 00"

5191.6 H

3893.7

2595.8

N 1297.9

N 0° 4' 51' 19" 6 VIA TRUE LINE

1297.9 1297.9 1297.9 1297.9

90° 14'

2613.36

1300.68

2630.93

1315.48

2648.50

1324.25

4016.44 My chain = 3977.1601

3999.10

2666.07

1333.04

91° 01'

5368.50 My ch =

2666.07

2595.80

5261.87

2630.93

2700.00

2648.50

51.50

Oct 19-1923

Bill Hade gets Earl Cunningham 33
 1/2 work in his place - I drive to Dad's
 and back to work. W. find 115.0k
 and set 2x48" Cen + Iron pipe oblong
 cap 3 1/2 x 3 1/2 full length in ground
 to edge of Sylvan Lake no mound
 Well re-inforced with big stone well
 anchored with stone. Saline Clay
 Both Lake driven with Ramsey
 P.M.

Corrections

E. line 11 - 3977.16 US = 4016.44 My Ch
 = 39.28 Long in 3977.16 = .009876 North
 for each foot north

1320 N	gates N	13.04 T.	1333.04 N
2640 N	"	N 26.07 T.	2666.07 N
3960 N	"	N 39.10 T.	3999.10 N
3977.16	"	N 39.28 T.	4016.44 N

Figures till 3 P.M.

Reg @ E 1/4 Bk 11-14-133-30 ch
 North on true E 1/4 line Sec 11
 300-600-900-1200 + 124.25^{IM} = 1324.25
 1/16 Cor Center SE 1/4 Sec 11 = 2x30" pipe
 1500-1800-2100-2400-2700-51.5
 = 2648.50 = 1/16 Center of E 1/2 Sec 11 = 2x30" pipe

Oct 19 contd

2799 E of 7" Oak lining gut - Port Area
 E at 3.90 ft 2812 Hut under for NW-SE
 3000 Hut Home to Beaumont for supper

Oct 20 - 1923 Sat

Cald. Sunshine - NW wind I pick up
 Earl C. and we re-chain stadia along
 SE side Sylvan Lake See Pg 81

Beg @ Hut 420.

277	Stadia =	275.2	Chained
256.	"	254.7	"
440	"	435.8	"
635	"	631.5	"

Check chainage on back end of lots

OK as per Page 85

Stake out shore line of lots hi up
 on sea wall on SE Co Sylvan Lake

Beg @ pt on my random 20 ft E of
 N.C. N = 10-135-30 Chain Couch set
 stakes well up on sea wall

33.0	stake for stadia line
84.1	" Bet Lots 1-2
135.2	" " 2-3
186.3	" " 3-4 crook here
237.4	" " 4-5
288.5	" " 5-6 crook
51.1	" " 6-7
102.2	" " 7-8
153.3	" " 8-9 CROOK HERE
204.4	" " 9-10
255.5	" " 10-11 CROOK

Oct 20-1923 Sat Continued

51.1	Stake	Between	Lots	11-12	
102.2	"	"	"	12-13	
153.3	"	"	"	13-14	crook
204.4	"	"	"	14-15	
255.5	"	"	"	15-16	crook here
51.1	"	"	"	16-17	
102.2	"	"	"	17-18	crook
153.3	"	"	"	18.	+ short Boulevard

E 1/16 line Sec 11-133-30 continues north
 3300 Hub on line line 3600 Hub
 3845.70 N 2x30" Pipe on ridge = edge of
 flat - 3 ft slope to sea wall 3900 Stake
 13928.30 N. I.M.-M.C. Edge of bank

Cunningham and I take dinner with
 Mrs Geo Ramsey Sr. Out @ 6 PM
 I pay Mrs Ramsey \$2. in full for our
 board. Home to Bramm for supper

Oct 27-1923 Saturday

PM. At 1. PM rain stops. Reed and I LV Brainerd - Pick up Earl C. and we drive to Chas Marshall's place at Geo Ramsey's old house - then to see line bet 11-12-133-30 and cut out True line

Hub 3200 HD correct West 4.63 back right to on Sec cor and run second Random North but 11-12. At 3199.4 Hub 3200 stake 3288.80 Hub on hill 35-38-stake 3840.10 Hub: $3800. + 216.05 = 4016.05$ set Hub

0.37 of a foot west of line M.C. ($4\frac{1}{2}$ inches)

Correction = .000921 E

3200 H. goes E	0.29
3288.3" " "	0.30
3840.10" " "	0.35 v
4016.05" " "	0.37 v

Rain and sleet @ 5-PM. Nat. I E (Irvin)

Robinson Tel 30 F 310 Can get Earl.

Note: I get contract \$500. from Red State Bank to plot 20 acres on Hill St

Mal Clark mails me \$50 in full for Tils worth. I send \$23 to Odis Macdonald Samaritan dues. Work 4 hrs PM. Quarantine today Reed Helen & I take Antitox in Dr Jamison. John W Curo

Oct 28 - 1923 Sunday

Reed and I Lu Beamed 9:30 - @ 10 am
pick up Earl Cunningham - I go see
Mr Green who says he has already
found SMS on Lds. Earl eats lunch
with me. P.M. Wgs 15 MC on E side
of Lydon Lake and stork picket line
Earl Va 4'15' bet Sec 1-12-133-30
for Char Marshall no charge -

We correct line line bet 11-12-133-30
pts mtd "V" pg 93.

At MC N-9 Between 11-12-133-30

Center of 10 inch oak tree on line 4.70 so.
to E head of tree. N also; 2 bent over 10 d Nails
in root on So side of tree is 5.50 south
a 2x2x10' pine butt 10 d nail in E is on
line line 7.00 so and another 11.50 so

@ 3767.90 N Hub on line N-S sec line

37 72 60 E 192x30 Pile
37 72.40 " " " " " " " "

on E & W fence line NE of SW Cor. L

@ 3773.50 N. d cut up and down groove in So
end of Cement foundation for Co. Garage

5.10 E of SW Cor. and 13.0 W of SE Cor.

Foundation 18.10 x 18.10 At 3800. N Hub
on line line

Oct 28 - Cont'd

35

85

64
36
100

95

Town Hub 7. ft so of MC Back right
S 1° 01' E. IM @ NEEN Swanson lot
N 70° W 84. ft another IM N 75° W 17.15
L @ 5-30 Home at 6-

Sam and Mary Ham at our home

Oct 29 - 1923 Monday

Reed and I to Red @ 10-9 am. Pickup
Earl at 10-30. Town Hub 11.50 so
of MC-BS-S 1° 01' E on line section

	N	E	35.6
IM.	N 79° 35'	E	84.9
"	N 82° 10'	E	134.5
"	N 83° 20'	E	184.70

From Hub 11.50 so of m.c. BS-S 1° 01' E
and run N 87° 23' W 262. Hub on hill

TC 262 BS-S 87° 23' E or N 80° 26' W 170. Hub

TC 170 BS-S 80° 26' E Chain S 85° 51' E 50.25 Hub

0.25 E of MC Hairford Run

N 85° 51' W 50.3 Hub 100.70 Hub 150.75

201.0. Hub Last hub on the bank 20 ft from
foot of hill - 35 ft. water for 9' E

Go back East 1/2 Hub 11.50 so of MC
then E 1/2 IM @ 184.70 BS-S 83° 20' W run
N 59° 25' 30" E 50.10 + 50.10 + 50.10 + 50.10 + 50.10
+ 50.10 + 50.10 = 350.70 Hub

Oct 29-1923 continued

From I.M. run N 59° 25' E Rake in
slake @ 50.10 slake 0.20 S of line. 5 ft
N of sea wall. @ 100.20 slake 1.60

N of line - 3 ft 20 of sea wall

150.30 slake 2.50 N of line and 18 ft
20 of sea wall.

@ 200.40 slake 2.50 N of line and
20 ft 20 of sea wall

@ 250.50 slake 2.6 N of line
and 16.20 of sea wall

300.60 and 350.70 slake on sea
wall Quit 5-35

Oct 30-1923 Tuesday

Beamed to Jenkins 146-30 at 7-30
to my car. Dwight Wesley - Birch
and I go to Brevik P.O.

Size up Fractional NW-SW 30
142-28. Dinner eat our lunch
with John Paper - Maggie and Mrs
Paper. Back to Jenkins for supper
and home to Beamed 10-PM.

State reports No Diphtheria in
Helen. Read or I

Oct 31-1923 Wed

John Davis visits us Reed & I
in Bed all day on map

Nov 1-1923 Thursday

Reed and I L. Bed 10-9 AM.

Pickup Cunningham at his place @ 10-30
get Crow Bar and shovel of Geo Ramsey Sr
at Lake 11-AM. Check plot

Distance from Ford Aisle IM at NE
Corner of McNaair's land -- East
along lake shore to $\frac{3}{4}$ " pipe IM @ NE Cor
"Lot H" is 163.44 ft in a straight line.
 $\frac{1}{2}$ = 81.72 to be divided in 2 Lots

Eat our lunch @ 1-PM.



We set a 2x48" I.M. Cement Filled
4" Oval Round Cap- $\frac{3}{4}$ x9" anchor
Rod. in stone full length in
ground flush with top of sea
wall at So edge of cement
slip top of slip

BTS Vis

Nov 1 - cont'd. Sylvan Plat 11-12-133-30

At SW Cor of McNair's 300' feet 2x4 Hub and tack - Tack is 0.35 of a foot East and 0.20 of a foot South of the true center of a new 6 inch (0.50 ft) fence post run from N and East so that the South side of the post sets 0.05 (1/2 inch about) stick over South into the street

Total length of the 300 ft. Carefully chained by me is 300.07 feet P. B. B. Ch.

The SE Cor of McNair's is a 2x4 stake and tack Tack is 0.35 of a foot West of the true center of a new 6 inch (0.50) fence post so that half of the post sets South in the street. Fence runs W & N.

Begin @ SE Cor McNair's land chain East 162.00 ft to a point 0.06 (3/4 inch) East of the center of a new 6 1/2 inch fence post set in cement set in cement

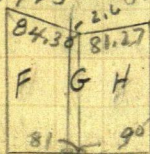
2x30 inch pipe driven in bank 2.60 ft E of MCN-9. marker set line bet the two 81 foot lots and sets 12.8' ft South ^{about} out of a straight line bet the SE Cor and NW Cor of each 81 foot lot

The SE Cor of Lot is 3.45 E of the line
Quint at 5-30 Horn lifted.

Nov 2-1923. Friday

Reed and I pick up E.C. at 10-45
 run over 2x30" pipe on line N-S-sec line at
 back end of lots 3.50 (3.49) W. of SE Cor
 Lot "F" BS-51°01'E The top end of lots on
 fence line run S 88°54' W and N 88°54' E
 E line of Lot "F" runs 90° to base

84.3 - 81.27



N. end Lot F is 84.30 and
 N. end Lot H is 81.27 via
 I.M.S

Eat our lunch P.M.
 @ SE Cor Lot K-BS.

S 88°54' W on back end of
 Lots and run N 78°43' E. 115 ft Hub
 on side hill. T@ Hub 115 BS-578°43' W
 and run N 59° E 100. FT T@ Hub 100. BS
 S 59° W and run N 42° 03' E 110. FT T. Hub 0.10
 above the 3 foot contour line. Quit at 5-10
 go see small lake L@ 5-30 Home @ 6-00

50.81
 101.62
 115.243
 203.245
 226.405
 330.486
 335.561
 406.488
 406.729
 405.10
 405.891
 405.72
 405.53

102.77 42.53
100 59.25
101.78

59.25 (40)
42.53
101.77

53.15
318.90 3

244.7
73.2
317.9

Nov 3-1923 Saturday

Reed and Spickup E.C. @ 9-45 am.

Reg @ NE Cor Lat K. IM. Re Chan. NE
along lake shore 53.15 + 53.15 + 53.15
+ 53.15 + 53.15 + 53.15 = 318.90 Hub on stant
Corner on Lake shore. T @ 318.90 BS. - 59°25' W
and run S 42°53'E (SW angle reads
102°18') Run S 42°53'E

90° L and run N E 66.00 set stake, then
Eat our lunch P.M.

Char Marshall and

acquit us and we go to MC N:10 (1 ft

N of Corner and run Random
East 4° W @ 244.70 Hub on hill + 73.2
= 317.9 Hub + 82.10 = 400 E. stake 500.00
525 ent N. end meadow 600 alk L. meadow

7-8 + 74.3 = 874.3 Hub 900 alk 10-11
1188.4 Hub 12 alk 1300-1340-1440-1500.
1536.80 Hub from which IM @ SE Cor

49°56' L 190.15 N 40°04' E 190.15

Ramsey's 1/4 bear N 45° W 151.70

L @ 5-30 - Home 6-20

49°52' L

(41)

317.9

821

100.0

2 x x

101

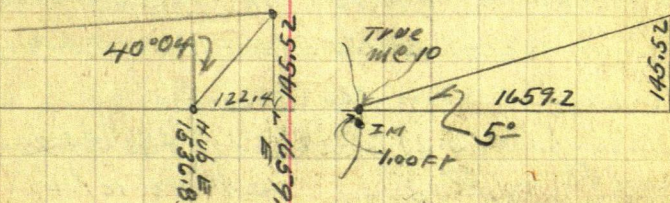
900.0
25.7
874.3

NOV 4-1923 Sunday

Correction

40°04'

Sine 64368 x 190.15 = 122,40 E OK
Cos 76530 x 190.15 = 145,52 N



1659.2 into 145.52 = .08766 = 5°00'20" Tangent
5°

Sine 8766 x 1659.2
Cos 99618 into 16592 =

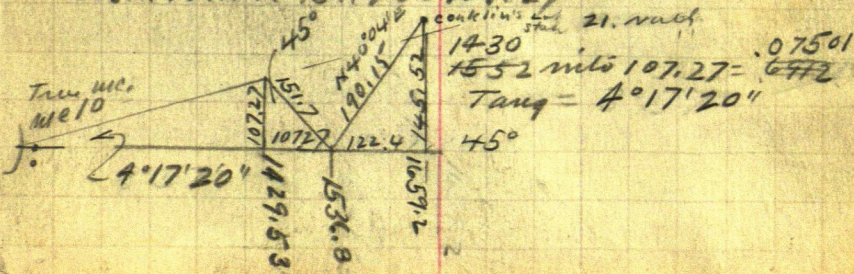
To Correct Via this Random

244.7 E would go N.
317.9 " " " N
1100.4 " " " N
1429.53 " " " N
1536.8 " " " N
1659.2 " " " N 145.52
874.3

To Correct To Ramsey's 1/4 Cor IM

At 1536.8 E 1/4 bears N 45° W 151.70

Sine 70711 x 151.70 = 107.27
Cos 70711 x 151.70 = 107.27



Nov 4-1923 Cont'd

Correcting To Ramsey's $\frac{1}{4}$ Cor = .07501

total

244.7 E goes N 18.37 To Sec Line + 3.11 = 21.48 Line
 317.9 " " N 23.85 " " " + 4.03 = 27.88 "
 188.4 " " " 89.10 " " " + 15.04 = 104.14 "
 1429.53 " " N 107.27 " $\frac{1}{4}$ " + 18.08 = 125.35 "
 874.30 " " N

Note: If the Sec Line is straight
 here is the rest of the correction

1536.8 E goes N 15.29 To Sec Line + 19.44 = 134.73 To Sec Line ?
 124.52 " " " 21.88 " " " + 145.52 " ?
 1659.2 " " N 17.75 " " " + 19.88 = 137.63 " ?

Note: Mr Conklin C.E. has set a
 stake for Lot Corner 229.67 Feet East and
 18.08 ? North of I.M. set by Geo Ramsey Sr.
 and Surveyor Ralph 30 years ago
 according to Ramsey for the

$\frac{1}{4}$ Cor Bet 1-12-133-30 where
 US Notes call for Post and H.V. 01

B. Oak 45 53° E 25 = 16.50 FT
 B Oak 4 N 26° E 19 = 12.54 "

and the US Chain from $\frac{1}{4}$ to lake is given
 as 2222 Links = 1466.52 Feet which is
 37. ft short my chain while Conklin's stake
 is 192.7 longer than US call for
 valid; Perhaps Conklin did not set this
 for a $\frac{1}{4}$ Corner ? we will see later Case

John W Curo

NV 5-1923 Monday

Reed and I pick up EC. 9-15 am 9-30

T @ IM SW Cor Lot A' BS. $572^{\circ}46' E$ and run
N $1^{\circ}10' W$ along W side Lot A' @ 217.10 abt Hub
@ 252.9 IM in pile of stone on lake shore

From SW Cor McNairs 300' run N $72^{\circ}46' W$

^{203.25}

$363.25 (= 0.10 \text{ short})$ To IM then S $76^{\circ}50' W$

($90^{\circ} + 12^{\circ}$ To W Line Lot A)

- ① $51.12 + 10$; ② $51.12 + 10$; ③ $51.12 + 10$; ④ $51.12 + 10$
⑤ $51.12 + 10 = 256.10$ Hub

Note: 102.44 is 2 ft W and 6' N of NE corner

204.88 is 3' W and 10' N of NW Cor of barn

which is 33 ft wide. Tower 256.10 continues

- ⑥ S $76^{\circ}50' W$ $51.22 = 307.32$; $102.44 = 358.54$ ⑦
⑧ $153.66 = 409.76$ $204.88 = 460.98$ ⑨
⑩ $256.10 = 512.20$ From $512.20 + 51.22 = 563.42$ ⑪
⑫ $102.44 = 614.64$ $153.66 = 665.86$ ⑬
⑭ $204.88 = 717.08$ $256.10 = 768.30$ ⑮

At intersection $1/16$ line
to of mc. angle reads

At 256.10 House

NE Cor N $66^{\circ}25' W$ 132.00

SE Cor N $76^{\circ}35' W$ 117.50

SW Cor N $82^{\circ}42' W$ 148.60

Closest mid. of out to N $88^{\circ} W$ 196.8

104 Nov 5-1923 Contd

(44)

From 256.10 small Bldg

NE cor N $34^{\circ} 43' W$ 179.50

SE cor N $37^{\circ} 10' W$ 158.50

SW cor N $42^{\circ} 20' W$ 164.40

Partly check over v. line see
12-and quit @ 6-PM. Home to Bed

Nov 6-1923 Go to Jenkins Reed & S.

" 7

" 8

" 9

" 10

" 11

9°35' ^{sun} cor 98604 sub 50 = $50.71 + 10 = 50.81$

Nov 14-1923 Wed.

$$N 1^{\circ} 10' W \quad 579.15' = 50.71 + 0.10 = 50.81$$

$$3676.60 N + 251.5 = 3928.10 \text{ M}^{\circ} E \frac{1}{10}$$

$$\frac{251.5}{3928.1}$$

Reg @ Hub on w. side Lat A' line 90°
and run W 50.10 - 70. to 300.60 line 90°
and run 18 ft. all stakes set 10 ft. s. of
sea wall

$$\text{Sim } 01774 \times 3772 = 66.91528 W$$

$$1^{\circ} 01' \text{ Cor } 99984 \times 3772 = 3771.39048 N$$

$$88^{\circ} 54' \text{ Sim } 99982 \times 384.5 = 384.43079 W$$

$$\text{Cor } 01920 \times 384.5 = 7.38240 S$$

$$72^{\circ} 46' \text{ Sim } 95511 \times 263.25 = 251.4327 W$$

$$\text{Cor } 29626 \times 263.25 = 77.99 N$$

$$76^{\circ} 50' \text{ Sim } 97371 \times 720.68 = 7011.73 W$$

$$\text{Cor } 22778 \times 720.68 = 164.16 S$$

$$0^{\circ} 49' 15'' \text{ Sim } 14325 \times 3676.6 = 52167 W + 1342.12$$

$$\text{Cor } 99990 \times 3676.6 = 3676.23 N$$

$$0^{\circ} 49' \text{ Sim } 01425 \times 3676.6 = 52.39$$

John & Orr Reed and I work in PM.

Nov 15-1923 Thursday

My Car - Harry T. John & Orr Reed and I
use Burrows @ 110 then drive to Sylvan Lake
on 10-50 - Ch line and call lunch - PM.

Turn $\frac{1}{16}$ M. sea wall N 56° E 140.

N 46° E 215 + 215 From $\frac{1}{16}$ M. R. N 35° 56' E
3.75 station π @ 375.

Nov 15-1923 contd

(106)

(46)

Bay @ Hub - - - on W-side near NW Cor

Let A turn 90° and run W. by 50.10 - 100.20
150.30 - 200.40 - 250.50 - Stake 10 ft to of top of
sea wall 300.60 Stake Turn 90° at N. 18 ft
set let stake 10 ft from sea wall. 350.7 stake Turn
90° and run N. 64. set pt for I.M. 74 stake
NW Cor of lot which runs here and runs N 45°
E 15' water
Extreme W edge of stone ridge is line. 70 ft
N and 10 ft W then turn NW
400.8 stake Turn 90° and run N 202.5 stake on sea wall
6 ft from brink. NW Cor of the set west 2 ft about
450.90 stake Turn 90° and run N 237.50 Turn S 814
W side out to. Turn on line S
at 500 + 1.00 Turn 90° and run 236.80 to stake on sea
wall Transit telescope let corner 0.5 ft
@ 10 ft S sea wall 10 ft W. @ 20 S - 20 W
50 S - 22 W @ 100 S - 10 ft W - 120 S - 10 W
150 S - 12 W 200 S - 27 W
@ 175 S of NW Cor set Hub and run NW 45° 10 ft
in 20 ft stake on sea wall
at 5.50 + 1.10 run N 18 ft then S 334.6
@ 600 + 1.20 on sand beach turn 90° S 44.6 stake on wall
@ 650 + 1.30 on sand Turn 90° S 85.8 ft stake on wall
from which we bear SV 59.70 ft
From Transit I.M. MC set S 24° R
12018 Home at dark

Nov 16-1923 Friday All day in Panama

Nov 17-1923 Sat - Sunshine. I lake

Reed and John Leair to Sylvan

set our bench. David McVain 300 ft
and set stakes. Cham N then @ of 300 ft

201.4 Hub 1. 255 N. Hub on brink. 270.50

3x24" oak hut on side hill. 287.10 - set

2x30" pipe in stone pit 5 ft from edge

Sea wall 25 from wall. P.M. set stakes
Home to Bed.

Nov 18-1923 Sunday, Cargas broke. Dinner home.
My car broke. Geo Ramsey. Taken down
and S. to Sylvan. S.C. with Ramsey.

Sylvan Lake Schulke Plat

(47)

107

Nov 19-1923 Monday

Ramsey and his car, father, Laura and I
to work @ 8 am - 1. PM. 5 PM. we walk
home to dinner. B-D-S-L Davis and I
board with Ramsey. warm day.
Schulke Plat.

Nov 20-1923 Tuesday

Ramsey drives Davis and I to work. Run NW Cor
street BS-559'25'30" N and run N 31°37'E 182.2
ft to NW Cor Lot 25 E edge of Harbor. N 39°27'E 172.6
ft to SE Cor Lot N-256'6" long 26 ft long and E side
of Harbor - Run N 45°45'E 399.10 ft to Hub N. Cor
Lots 17-18 20' from sand 30' from water

Address: Burris Pilkington Co
Des Moines Iowa - Atlas Bldg. Lakeshore
Salesmen at Brainerd Nov 15 1923 with Todd.

Nov 21-1923 Wed. Still board with Ramsey
Davis and I on Schulke Plat

Nov 22-1923 Thursday

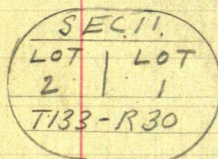
Big warm snow storm. Davis and I
finish survey of Schulke Plat
Yes Ramsey Jr and car comes for survey
tools. Supper with Mrs Ramsey to who I
send her car and yes Jr to bed with
us.

Nov 23-1923 Friday

J L Davis and I start around
Brainerd all day, and to in evening
in my car to work for Garrison Trust

Note: Schulke Plat: From original stn
140. we straighten street to center N 85° E
2 via street to 145.5 to PZ one line and
146 to road beyond oak. From original
E of road street it is now 13.1 to oak to W.
side of present street All @ N end of Plat.

Schulke Plat.



1/16 Cor on N. end of E
 1/16 line of sec 11-133-30
 set on so shore of Sylvan
 Lake

Using 1/16 line or meridian @ $S 0^{\circ} 49' E$
 BTS viz T. I.M. $2 \times 48'' - 3 \frac{1}{4} \times 43 \frac{1}{2}''$ oval
 cap
 Notch in 10" Oak $S 56^{\circ} 20' E 7.55$ ft
 11 " " $S 15^{\circ} 40' W 7.12$ "

Correcting

N. Line NW 1/4 Sec 12-133-30

See Page 101.

$$146.52 + 1320 = 1466.52 \text{ US} = 1429.52$$

My chain = 36.99, short via random

$$= .025223 \text{ W for each ft E}$$

$$146.52 E \text{ per W } 3.76 \text{ to } 142.82 E$$

$$1320 + 33.29 = 1286.71 \text{ via random}$$

$$4^{\circ} 17' 20'' \text{ sin } .07479 \text{ cos } .99720 \text{ into } 142.82 = 143.22$$

Via line line

Figuring Land In sec 12 Platted

$$375 \times 495 = 175,627$$

$$341 \times 481 = 164,021$$

$$251 \times 350 = 87,850$$

$$160 \times 350 = 56,000$$

$$325 \times 680 = 221,000$$

$$43500 \quad 704,498 \quad (16.2 \text{ acres in sec 12})$$

$$224 \quad 190 \times 536 = 101,840$$

$$156 \quad 300 \times 78 = 23,400$$

$$2380 \quad 43500 \quad 125,240 \quad (2.9 \text{ acres in NENW})$$

$$2150 \quad 2.90 \quad 13.307 = 16.2$$

$$78$$

Figuring Land In Lot 1 sec 11-13-30

$$300 \quad 320 \times 380 = 121.600$$

$$290$$

$$\underline{340} \quad 315 \times 250 = 78.750$$

$$\underline{340}$$

$$640 \quad 315 \times 300 = 94.500$$

$$\underline{630}$$

$$460 \times 100 = 46.000 = \text{Lots 49 and 50}$$

$$580 \times 50 = 29.000 = \text{Lot 51}$$

$$600 \times 50 + 150 \times 30 = 34.500 = \text{Lot 52}$$

$$350 \times 202 = 70.700 = \text{Lot 53 7.56}$$

$$\underline{425.050} \quad \text{Plus 124 am}$$

$$420$$

$$\underline{290}$$

$$2710$$

$$\underline{355}$$

$$43560) 425.050 (9.7 \text{ Acres total}$$

$$\underline{392.040}$$

$$330100$$

1923 Time Sheet Sylvan Beach

Nov	1	2	3	4	5	14	15	17	18	19	20	21	22	23
JWCuro	1	1	1	-	1	1/2	1	1	1/2	1	1	1	1	-
Car	1	1	1	-	1	1	1	1	-	-	-	-	-	-
Reed	1	1	1	-	1	1/2	1	1	-	-	-	-	-	-
Alma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Earl Cunningham	1	1	1	-	1	-	-	-	-	-	-	-	-	-
John Davis						1/2	1	1	1/2 PM	1	1	1	1	-
Geo Ramsey						-	-	-	1/2	7	7	-	7	-
His car						-	-	-	1/2 PM	7	7	-	7	-
Char Johnson Stakes						-	-	-	-	-	-	-	-	-
Bob Campbell Plat						-	-	-	-	-	-	-	-	-
Harry Todd						-	1	-	-	-	-	-	-	-

44 + 4 1/2 = 8 1/2
825 30

(51)

111