

202

Husbard Co.

Form

35

FIELD BOOK

360

N^o 2

Workin Cass Co

26.5
17.1

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Ponto Lake Twp

139-29

Twp Road Survey

Feb 18-1918

I telephone E.B. Horst
Walker Minn "Acting Co Surveyor"
that Ponto Lake Twp want
a road survey

Feb 19th 1918

I get a letter from Horst
and Blank plat - requesting
that I make the survey

Feb 21-1918.

I go to Walker on P.M.
train - buy a Jewett plat
from Horst @ 25¢ Copy Mean-
der Numbers and back to
Pine River on midday lt
train RR fare 65¢ and 65¢
= \$1.30 Supper at Walker
50¢ walk home to the
farm @ 3-o'clock.

John W. Curd

Road Surveys

③

139-29

Ponto Lake Twp 3

Cross Co. Minn

March 4-1918

Harald and I finish up
some work in Twp. South and
walk to Frank Gillitley's
place and tell him to have
the town board ready to
assist us in survey and
arrange to board with him.

Pet^r Cruckow wrote me
on 1918 to make
the survey and board with
Gillitley.

I notified Cruckow I would
bring a man with me.

March 5th 1918

Ponto Lake Twp Board meet
and later I am told (by Gillitley)
that they refuse to help and
that I am to go on alone with
the survey.

John W. Cross

4

F

139-29

Ponto Lake

March 6-1918

Harold - Alma - Reed
and I bundle blankets
and tools into my Ford car
drive to John Sutton's farm
Get my transit - chain etc
and drive to Gillelly's
who says he cannot help
on survey or board me and
that Mike Smith may do so

We drive to Mike Smith's place
leave Harold and back to
the farm via Pine River
15 mile drive

John W Cune

(5)

139-29

5

Pond Lake Twp

Road Survey

March 7th 1918

The road to be surveyed
 Begins @ NE Cor Sec 25 Thence
 1 $\frac{1}{2}$ miles West: $\frac{1}{2}$ South
 $\frac{1}{2}$ West: $\frac{1}{2}$ South to NE Cor
 34- Thence $\frac{1}{4}$ mile South
 Thence West on N $\frac{1}{16}$ on mile
 Thence South $\frac{3}{4}$ mile to
 SE Cor sec 33- all in 139-29

Harold J. Curo & ch.

Double Center Hubs - Plumb.

Bob chain 200' steel tape

Gulley transit

Snow in AM.

Heavy wind in PM

No work

Harold J. Curo

March 8-1918

Harold J. Curo & Albert Smith and
mules driven me to Smiths Hog
Camp in Sec 25-139-29 and we
walk about 1000 feet N.W. to

I.M. @ Cr to 23-24-25-26-139-29 Run

East but 24-25 $07^{\circ}30'$

@ 55 ft E enter small pug hole 150 W
(culvert side in cen)

@ 250 (about) cross wagon trail
NW and SE @ 274.90 Hub

550 E. enter Sam Swamp 1255 LV

1549.10 E. Hub 1765 enter swp

2532 LV same

At 2623.50 E US nalis @

$\frac{1}{4}$ but 24-25-139-29 Cells for
L to V @ 1.

BP 12 N $1\frac{1}{2}^{\circ}$ E 36 LXS

BP 9 S 20 W 48 "

We do not find them

@ 2820.20 Hub. 3216 Hub

3557 enter bog 3643 LV

3896 Ent bog with few up turned
rocks @ 4610 LV 4809.60 Hub

5260 Hub from which the I.M.
at NE Cr. of sec 25-139-29

Harold J. Curo

Sheet Pont. Loxie Twp 139-29

March 1918

	6	7	8	9	SUN 10	11	12	13	14	15	16	SUN 17	18	19	20	21	22	23	SUN 24	25	26	27
John W. Curo \bar{K}	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1
Halo	8 3.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83.	
Expense	RR 65	0	0	74 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63.
Harold Curo \bar{K}	1	0	1	$\frac{1}{2}$ AM	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mike Smith	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Team	0	0	8 2.50	0	0	114 114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Albert V. Smith	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
John W. Johnson	0	0	1	0	0	1	0	1	1	0	1	0	1	1	1	1	0	0	0	0	0	0
Albert W. Johnson	0	0	1	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0
Ralph Borchardt	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clarence Freestone	0	0	0	0	0	0	0	0	1	0	1	0	1	1	1	1	0	0	0	1	1	1
Herman Stillman																						
Mont Gatten																						
Frank Gilletty																						

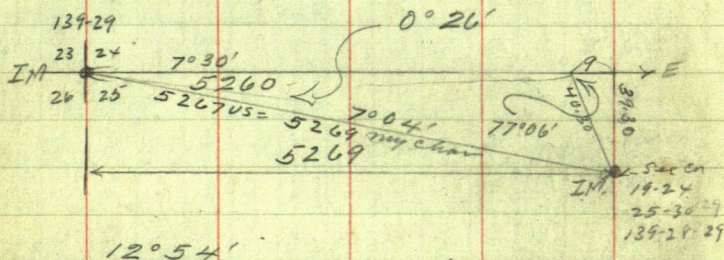
as viewers.

8 Mar 8-1918 139-29- Ponto Lake Test

bears R $77^{\circ}06'$ - 40.30 feet dist

Albert Smith Fly + Ch. fairly

rough chain No plates set with Smith's
double can Hubs JW Johnson and
AW Johnson and Ralph Borchardt
(Hall) all men. Smith sends
lunch for Harold. Back to Smiths
for our night



$$\begin{array}{lcl} \text{Dist} & 22325 \times 40.30 & = 9.00 \text{ ft } E \\ \text{Cm} & 97476 \times 40.30 & = 39.30 \text{ S} \end{array}$$

At 5269 E. the can to Piers

19-24-25-30 bet T 139-28-29

bears South 39.30 feet

off $0^{\circ}26'$

Harold J. Curo

Board Sheet Ponto Lake Twp

March 1918

	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
					SUN														SUN			

Boarding with Mrs Mike Smith

John W Euro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harold J. Euro																						
(Mrs Euro and Reed)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Boarding with Mrs J. W. Johnson

John W Euro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harold J. Euro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Herman Siltman																						
Wm. A. A. A.																						
Frank Siltman																						

March 9th 1918

Saturday. Storm crew lay off

I figure correction $\frac{1}{2}$ day in
A.M. Correcting = ^{not until up notes} 766

Bet 24-25-139-29

✓ Hub 5260 E gas S 12° 54' E 40.30

5200 E gas	S 12° 54' E	39.83
5000 E "	S " " E	38.30
✓ 4809.60 E "	S " " E	36.82
4800 E "	S " " E	36.75
✓ 4600 E "	S " " E	35.24
4400 E "	S " " E	33.71
4200 E "	S " " E	32.18
4000 E "	S " " E	30.65

✓ 3945.00 E gas S 12° 54' E

30.23 ft to E 1/16 bet 24-25-139-29

3800 E gas	S 12° 54' E	29.12
3600 " "	" " " "	27.51
3400 " "	" " " "	26.04
✓ 3216 " "	" " " "	24.63
3200		24.61
3000		22.98
✓ 2820.20	S 12° 54' E	21.16

✓ 2630 E. gas S 12° 54' E 20.15

✓ To 1/4 On bet 24-25-139-29

2400 E gas	S 12° 54' E	18.38
2200		16.85
✓ 2000	"	15.32
✓ 1549.10	"	11.87

1315 E gas S 12° 54' E 9.97 ft

to N 1/16 bet 24-25-139-29

800 E gas	S 12° 54' E	6.13
274.90 "	"	2.11

Harold J. Curro

Laid up Sunday

March 11-1918 Monday

Harold J Curo Transit & chains

Albert Johnson ch & flag - &

JW " &

Beg @ I m. Cor to 23-24-25-26- Run

West Bet 23-26-139-29 \angle 8'10'@ 150 W. old road NW $\frac{1}{4}$ sec SE

338.10 W Hub: 665.70 W. Hub

1629.60 W " 1860 W. int cranberry

bog @ 2325. enter N. edge of lake

@ 2456 L₁ lake - enter same bog

At 2631.75 W (US notes) @

 $\frac{1}{4}$ Cor Bet 23-26-139-29

Call for "L 1: V @ 2"

Iron Wood 7" N 26° W 18 LKS =

Spruce 18" S 3° W 29 " =

All appear to be gone

At 2825 W L₁ same bog - enter the

East "Twin Lake" near N. side

Quit for night and ride home
with Smith's boy team. Curo also rode
out this morning with same team and
brought lunch from Smith's.

Curo still staying with Mike Smith.
Did not work Sunday. Yesterday

Harold J. Curo

March 12-1918

Tuesday. Same crew Continue

West bet 23-26-139-29 $\sqrt{8010}$

@ 4200 W L. lake; Enlin cranberry
bog; 4400 L bog at foot of hill
4573.10 W Hub 4602 road

NW $\frac{1}{4}$ SE @ 5000 Hub

At 5263.50 West look for
Cr to 22-23-26-27-139-29

US notes call for:-

Aspen 12 N 61° E 32. Lks = 21.12 ftBirch 10 N $38\frac{1}{2}^{\circ}$ W 22 " = 14.52

WP 20 S 33 W 40. = 26.40

WBirch 10 S 68° E 59 = 38.94

We cannot find them.

J.W. Johnson quit at noon to go to
election. Curo road out with
Mike Smith's boy team (no charge)
lunch dinner with Johnson - Smith
Came for Curo in evening \$6.25
We set stakes with least every
200 feet.

Harold J. Curo

139-29
Ponto Lake Tulp Road (13)

March 13-1918

Wednesday. Same crew

Mike Smith and learn lakes
Harold Curo to I.M. On to Lees

26-27-³⁴⁻³⁵~~33-34~~-139-29

and with JW Johnson and Son. River

North Bet 26-27-139-29 ^{from 9'22"}

@ 31. ft N- So bank of

Creek. @ 56. N. L v some. Flow E.

@ 200 L v open creek bottom. 695 ^{cut back} _{into}

@ 800 N. Hub

Harold Curo goes home with

JW Johnson for dinner

Mike Smith drives back home

John W Curo leaves Pine River
in his car and drives to Mike
Smiths too late to catch the crew
and walks across Lake Ada
to search for Meander Corners
and rides back with Mike
Smith for dinner

P.M.

JW Curo rides East with
Smiths boy learns and meets
the crew on the work

We leave Johnson and Son cutting
John W Curo.

14 Mon 13-1918 Contd 139-29 Porto Koh Tub

line north. while Cues and Cues
look for Car to See 22-23-26-27-

139-29. No find Men and ride
home with Smiths Hay team

Smith & Mules haul Cues's
car out of snow drift to his
house. ball stay with Smith
Smith & team \$1.25 No charge for
rides with his hay team

John W Cues

139-29
Ponto Lake Trap woods
Con Co Minnesota

15

March 14-1918 Thursday

John W Curo - Compro

Herald J Curo Transit

JW Johnson x

AW " Ch + flg + ax

Clarence Freestone Aman

Meride out with Smiths

boy teams Crew Cut line v 9.22

North bet 26-27-139-29

Curord Curo run compare line

South bet 34-35-139-29

v 8.15' E

@ 2640 ft South Paced by JW C.
to 1/4 Cor bet 34-35-139-29

US Maps boy 'P to E @ 1.'

NP12 N 43 1/2 E 11 LKS = 7.26 FT

NP10 N 81 W 14 " = 9.24 "

As I have previously saw
this corner we find the stump of
barked B.T.S. from which we
set the line 1/4 Cor by flat Ch
from foot of B.T. marks after which
the old stump stand almost
a. k. for course The NE stump
is plainly marked we chop the
John W Curo

Mar 14 - 1910 ^{cont} Prati Lake Twp Roads
figures out of the stump

We walk 2 miles SW to
house of Minnie Raska who owns
40 acres SW of SE Sec 33-139-29

Harry Raska is married and
lives with his mother (Minnie Raska)

Harry takes us East to the
SW Cor of Sec 34-139-29

being Cor to Secs

33-34-3rd & 4 Between Twp's

138-139- R. 29 where US

notes call for (Q 139-29)

NP12 N 40° E 132 LKS =

NP14 N 73° W 126 " =

NP14S 70½° W 66 " =

We find the old B.T. Stumps
which poke out well for distance
but not very well for course being
a few degrees off.

We also find a big 4x4 post
well scribed and set deep and
well previously established.
By John W. Curo when surveying
the Judicial road South
and later set by A W Moulton
when surveying a county
John W. Curo

139-29
Pinto Lake Twp. Road 17

March 14-1918 contd

road West. Corner being set by
proportion. We start a line North
on 8°15' Var E and set a line of
pickets so that the crew will
lose no time in starting when we
come back. We then walk back

and start the crew cutting a
picket line South bet 33°13' &
139-29. Harold and I then

eat a big lunch but from Mrs
Smith's (Eat very late) We then
walk North and again search for
On to 22-23-26-27-139-29

Harold walks back so and
runs North bet 26-27-139-29

I flag. From Hub 800 N. Harold
at transit sets a point North of the
lake (long shot) then Harold and
young Johnson chain up setting
all stakes and hubs with transit

North bet 26-27-139-29 '9-22'

@ 900 N. culm open marsh N.E. & S.W.

950 N. Culm at side. 1000 N. L.

open marsh 1870. 60 N. Hub

@

crossed main

John W. Cress

(18)

139-29

Ponle Lake Trap Roads

Mar 14-1918 contd

road NE and SW: at 2640 N.

the 1/4 Cor bet 26-27 US notes map

"P to E @ 2"

Aspen 20 N 76°W 392 Lks-

" 10 N 88 E 113 " =

No find am -

at 2748 N enter from bog

3050 enter ice on lake

at 4400 ice enter from -
very bog. @ 4400 quit for

night in bog.

Johnson & I carry transit

home - I and Harold or met

by Mike Smith and team

get home late figure correction ^{note}

till late at night then I go home

in my Ford. Tear off line to
car 40 rods from home.

\$1.25 for Smiths team no charge
for riding with my team

John W. Carr

March 15-1918

Friday. Harold Curo sides
port way with Smiths boy leaves
(no charge) Takes his lunch
from Mike Smiths

Gets A W Johnson and corrects
the line bet 24-25-139-29

as given on Page 10. This Book.

At NE Co of Sec 25-139-29

Start a picket line South @ $754'$
Var E to accomodate Johnson

We set all points as given on
Page 10. Checked thus "V"

and set all $\frac{1}{16}$ and $\frac{1}{4}$ corner

No BTS @ $\frac{1}{16}$ Cor

At $\frac{1}{4}$ bet 24 and 25 New BTS
viz JP85 $42^{\circ}20'W$ 86.90 Ft

JP121 $44^{\circ}40'W$ 90.60 "

Read from the middle of the transit
with no variation figured or turned
off. True course @ 8° Var East
would be as follows

JP85 W 86.90 Ft

JP121 W 90.60

We corrected west as far
as the west $\frac{1}{16}$ corner and at all

Harold J. Curo

March 15-1918 could

$\frac{1}{16}$ corner and the $\frac{1}{4}$ Cor. I start a
picket line South @ $7^{\circ}54'$ var.

Walk home to Mike Smith's

at 8:00 PM.

Only Harold Caro and Albert
Johnson work
no team hire.

Harold J. Caro

139-29
Pond Lake Turp Roads (21)

March 16-1918

Saturday: H. J. Curo π T Ch.
Johnson & Son - & Freestone

We do not stop to correct the
balance of the line bet 24 and
25 but walk South to Cor
of 26-27-34-35-139-29,
South bet 34 and 35 ✓

00. I.M. @ 430 Cor of old road
NE and SW 650.80 S Hub

I find they have cut a crooked
line and call the crew back to
straighten some of it -

@ 1207.40 Hub. @ 1934.20 S Hub
2348.80 Hub 2650.5 Ch $\frac{1}{4}$
Cor sets West 6940 feet

I do not have time to make
new BTS, but Quit for night
Smith meets me with his team
\$1.25.

Sunday Mar 17-1918 laid up at
Smiths.

Harold J. Curo

March 18-1918

Monday, Anne crew

Slide as far as Twin lakes with
 Smith's boy learn no change.
 then walk South to $\frac{1}{4}$ c.

At $\frac{1}{4}$ Cor bet 34-35

139-29. mark new BTS viz

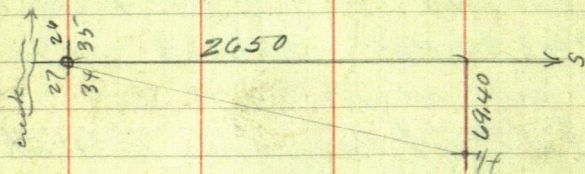
JP6 N $54^{\circ}28'W$ 49.05 ftJP10 N $32^{\circ}20'E$ 50.00 ft

Turned from needle N 2 or 0.0.

@ 8° for these tiers stand viz

JP6 N W 49.05 Feet

JP10 N E 50.00 "



We walk North to Stake

1200 S. and chain South 125. ft

to 1325 South then West

34.70 feet and set the North

 $\frac{1}{16}$ Bet 34 and 35-139-29

from which we run

West on $8^{\circ}15'$ foron North $\frac{1}{16}$ line of Sec 34.

Harold J. Crow

139-29

Ponto Lake Trap Roads 23

Mar 18-1918 Contd

@ 77. set Hub @ 747. W. end of
road NE and SW @ 871.80 W Hub

Cut further and Quit for night

Set stakes with transit every

200 ft Broke my lunch from

Smiths Mike Smith met me

with his team at Freestones

\$1.25.

Still with Smith

Harold J. Cress

139-29 Pontic Lake Trap

March 19-1918

Tuesday: Same crew
Smith drives me out in the
morning and I take my lunch

West on N¹/₁₆ Sec 34

1325.70 W Hub 1800 W Hub
2252 W enter lake. Born Lake
at 3740. L^o some - enter marsh
Willow brush

3975 L^o marsh 4050 W

Freestone's fence runs NE¹/₄ & SW¹/₄
wire fence

@ 4300 road N and S

4360.40 Hub in Freestone's
field. 4805 W Cen of road N & S
5115 edge of field
5280 Hub

We then walk 3 1/4 mil
South and at cor to

33-34-3rd & 4th Bet Trap 138-29138-29th & 139-29 setnew BTS dig N¹/₄ Sec

JP12 N 30°10'E 140.40 FT

JP6 N 71°45'W 90.40 "

JP6 S 72°52'W 120.45 "

JP12 S 75°31'E 111.85 "

Harold J. Curo

139-29

Pond Lake Twp

25

Mar 19-1918 cont'd

lained from the needle and @ 8° Va.
these lines stand viz

J P 12 N	E	140.40	FT
" 6 N	W	90.40	"
" 6 S	W	120.45	"
" 12 S	E	111.85	"

North Bet 33-34.

139-29 Vor 8'15'E

@ 282. N old road NW + SE

375.20 N. Hub 382. N old Road

E & W; about 580 N enter open
meadow (Cut hay) 877 N cut
point of hi land in meadow

Comes in from the East

@ 1065 L^v point cut meadow

Quit for night

I meet Mike Smith and leave
at Freestones and he takes me
home \$2.50 for Mike

Harold J. Curo

March 20-1918

Wed Anne Crew, Maggie
Smith and team takes me to
Freestone's Continue

North bet 33-34-139-29° 80'10"E

@ 1743.50 Hub all level ground
mostly meadow

2200 N enter dry land in
Scatter poplar trees - a few Pine
and brush.

2515 N enter
cranberry bog with small dry
timber trees 2488.90 Hub

2640, US notes, call for
1/4 bet 33-34-139-29, "0-10@1"

Tam 4-S 33° W 12. Lks -

" 4 S 72 E 11 " =

gone - Continue North.

@ 2780 L & bog. 3286.20 Hub.

3410 Cen of road NE & SW

4811.50 Hub. All staker

up to 4500 North set with line
every 200 feet. @ 5000-5200.

+5280 set staker and Quit

for night. Maggie Smith

meets me with line \$250 for Smith

Harold J. Ciro

March 21-1918

Thursday. Only Harold Curo
and Albert Johnson working.
as I laid off the bal of crew
till Monday.

Maggie Smith takes me
Johnson's house. We finish
correcting the last $\frac{1}{4}$ mile bet
Sec 24 and 25 - 139 29
as given on Page 10. This work
Then walk a mile West
and continue our line.

North Bet 26 and 27 - 139 29

Reg @ stake 4400 N.

@ 4555 N Smith boy road
E + W in bog 208 ft West
of lake 4625 LN crossberry
bog enter sheep hill

4802.80 Hub 4906.20 Hub
on hill top @ 52

Cross our E and West transit
line at 5 West

@ 5280 N set stake on line

Quit for night. Ride to Smith with
JW Johnson who came to Smith for
butter \$1.25 for Smith

Harold J. Curo

March 22-1918

Friday. Harold Curo and
Albert Johnson

Maggie Smith drives me to my
work Run

West bet 22-27-139-29

Cut picket line all AM
PM

@ 5525 W. cut N edge of swp

@ 5625 LV swp 5962 cut of
hog road NW & SE @ 6060.30 Hub
6200 stake and finish the day
cutting brush.

Maggie meets me with her team

John W Curo - wife and baby
arrive at Mike Smiths with his
Ford and we fix up and
unleash up mules till late

\$2.50 for Smiths team

Pontio Lake Twp Board
met and decided to view our
road survey Sunday @ 10-AM.

Harold J. Curo

March 23-1918

Saturday: Maggie Smith with Mike Smith's team on usual tracks Harold Cucco to work. Harold sets 3 pickets running West and tells Albert Johnson to cut a picket line West bet 22 and 27. Then sets more pickets N and S and tells him to cut line North bet 22-23
139-29.

Then Harold comes back with Maggie and he and I write up notes all day till late at night \$1.25 for Smith

I got a letter from Roy A Norton Town Clerk Maple Grove Twp asking me to make a survey and to write V. J. Nestheim Beamed Mill R # 3, Cromling Co Norton's address is Beamed Mill R # 3.

John W Cucco

139-29

Ponto Lake Trap Woods

March 24-1918

Sunday

Harald and I with Mike Smiths
driving team. Lx about 8 and
drive to John W. Johnsons place
where we wait for the town board
we look up lines and figure wood
angles etc.

Herman Silthman & team with
Mont Martin and Frank Hillittly

All members of the town board
look over a part of the wood survey
and arrive at Johnsons about noon.
all take dinner with Johnson.

P.M.

At the N. line of NE 1/4 of 26 corner a lake
and the 1/4 cor falls in a big soft bog
we try to find the best way around.
The North side of the lake and bog
would be the best. and as the
N. 1/4 corner Boss Lake we try to find
the best way around. All get home
late. I take Isabelle Smith back
to her school - Maggie-Russ goes along

John W. Curo

March 25-1918 Monday

John W. Johnson and son arrives early at Mike Smiths place. Johnson calls me out and boils all up about the town board and thinks they are trying to beat him out of his road - I tell the poor fool that the town board are trying their best to get him a road and that the best thing he can do is to keep still or he will get no road at all.

He says he will go to Pine River Walker & St Paul and spend his farm to force them to build his road - I tell him he cant force them to do a damn thing.

Gartlin arrives @ 8 o'clock with his horse - Johnson leans into him. Johnson says he refuses to work any more on the survey - he and his son. Gartlin and I drive to Freestones place on N 1/4 of NW 1/4 Sec 34-139-29 to our horse and look up the way for a road around Bass Lake.

Gartlin helps me put in a Sec Cn post at the corner to section.

John

32 March 25-1918
cont'd

139-29 Ponty Lake Woods

27-28-33-34 - 139-29 where U.S.

notes call for:

NP24	N	50°E	42	LKS =	27.72	FT
NP24	N	37W	9	" =	5.94	"
NP24	S	79W	47	" =	31.02	"
NP28	S	5E	22	" =	14.52	"

We find an old stake-set about 3 years ago and we find the stump of all the bearing trees except the NE trees which stood in a plowed field and which has been taken out - the roots still lie near.

The NW-SW & SE stumps stand well for course and distance except that the distance bet the NW and SE stumps is 0.30 of a foot short which distance I proportion and set a 2x2x20 inch birch stake set in a pile of rock for the true corner to be seen.

27-28-33-34 - 139-29

after which the old BT stump stand as follows @ 8° d E

NP Stump	24°N 42°W	5.94 - .08 =	5.86	Feet
NP	24°S 78°W	31.02	FT	
NP	28°S 5°E	14.52 - 22 =	14.30	"

We mark new BT S viz 8°

Jack Pine 10°N 55°30'W 47.80 Feet
John W. Cunn

March 25-1918
cont'd

139-29 Porto Lake Tract
Roads

33

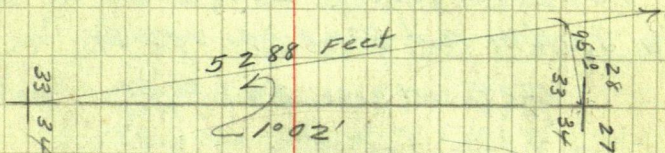
Pine Stump 16" S 71° 30' W 40.10 Feet

Pine Stump 30' N 38° E 91.05 "

Pine Stump 16" S 83° E 9.20 "

@ 8° on set with a Survey Compass
old stake bears S 20° E 1.

From the true corner I run
West on 8° on and @ 95.10 ft
intersect transit line from the
south @ 5288 Feet North



$$\text{Correction} = .01798 = 1.002'$$

$$1.002' =$$

$$\text{Sine} = .01803$$

$$\text{Cosine} = .99984$$

To Correct Bet 33 & 34 -

5288 N goes E 95.10 Feet

4811.50 N	"	E	86.61
4600	"	"	82.71
4400	"	"	79.11
4200	"	"	75.52
4000	"	"	71.92

3966 N goes E 71.32 Feet to

N 1/4 Bet 33 & 34 - 139-29

3800	N goes E	68.32
3600	" " E	64.73
3400	" " "	61.13
3286.20	" " "	59.15
3000	" " "	53.94

34

139-29

May 25-1918
contd

Correling Bet 33-34-139-29

✓ 2800 N goes E 50.34 Feet

✓ 2644 N goes E 47.55 Feet

✓ 1/6 the 1/4 Cor Bet 33rd 34-139-29

2488.90 N goes E 44.80

✓ 2200 " " 39.56

2000 " " 35.96

1800 " " 32.35

✓ 1743.60 " " 31.38

1600 " " 28.77

✓ 1400 " " 25.17

1322. N. goes E 23.78 Ft 1/6

the South 1/6 Bet 33rd 34-139-29

1200 N goes E 21.58

✓ 1000 " " 17.98

800 " " 14.38

✓ 600 " " 10.97

✓ 400 " " 7.19

375.20 " " 6.75

✓ 200 " " 3.60

Herald Cuss rides East with
Johnson & Son and waits for
Freestone. and they continue
North Bet 22-23-139-29

Reg @ 5280 N. (stake on line)

@ 5225 N. cut swp E & W

@ 5640 " L & " "

5845.80 N Hab

6281.40 N "

6763 N "

John W. Cuss

Mar 25-1918 Contd

at 6773. Cen of wagon road E & W

@ 6784.50 Hut

@ 6800 N stake and quit this
line for the presentStakes set every 100. feet N
of 5280 N. But Not lined
with the Transit North of 5280Note: the line from the Temp
Cen of 22-23-24-27-139-29West- is cut out to Lake Hdr
but Not chained or run.Gittelly and Gartin look up
the Johnson road lineI ride home with Gartin -
Harold walksHarold - Alvin - Reed & I with
Smith - we cook our lunch out

John W. Cress

139-29 ponto Lake Twp

March 26-1918

Tuesday. Harold & I go in
Ford to Freeston place - Herman
Siltman walks via East side of
Lake Ada - picks up transit Ch. fly
and bring them to Freeston
We figure correction and eat our
lunch

All walk West and put in the
North $\frac{1}{16}$ Cor Bet 33-34-139-29

At 4000 N. ch South 34. $\frac{1}{16}$

3966.00 N. Then East $7\frac{1}{2}$ 32

and set $2 \times 2 \times 30$ " birch stakes for the
line N $\frac{1}{16}$ Bet 33-34-139-29

run in with compass from random @ 8'
New BTS.

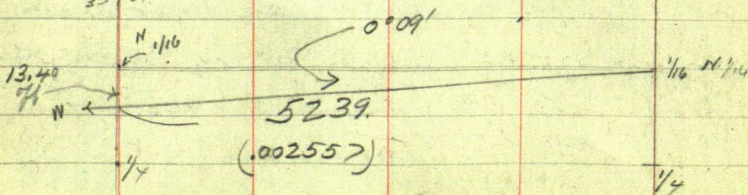
Pap 65 $84^{\circ}30'$ W 56.00 Ft 80' comp

Pap 65 9° E 49.80 " comp

Ht 5239. W This $\frac{1}{16}$ bears

North 13.40 ft

27 26
34 35



Mar 26-1918
cont'd

139-29

Ponto Lake Twp. Roads 37

Correcting

N¹/₁₆ line E ad W Sec 34-139-29
(254)

5239.00	W	90°	N	13.40
5000	"	"	"	12.80
4800	"	"	"	12.33
4600	"	"	"	11.78
4400	"	"	"	11.26
4360.40	"	"	"	11.06
4200	"	"	"	10.75
4000	"	"	"	10.24
3800	"	"	"	8.73
2200	"	"	"	5.63
2000	"	"	"	5.12
1800	"	"	"	4.60
1600	"	"	"	4.10
1400	"	"	"	3.58
1325.70	"	"	"	3.40
1200	"	"	"	3.07
1000	"	"	"	2.50
871.80	"	"	"	2.23
800	"	"	"	2.04
600	"	"	"	1.54
400	"	"	"	1.02
200	"	"	"	0.51
77	"	"	"	0.20

For random
line see pages
22-23-24 this
book

Siltman goes East to view the
project for a road line around the
South side of Bass Lake and finds
that the mark would force us
too far South. He helps me correct
the line as figured and we drive
hubs on the corrected line at points
checked off thus: "v" and set a
few tall stakes marked "True 1/16
line - Set by Cues" John W Cues

38 May 26-1918

139-29

Port Lake Twp Road

Silliman then goes home at 4 pm
as he will have to be at the Board
meeting at the Lake Harriet School
house @ 5³⁰ pm. I finish correct-
ing with the flag pole as a measure

Harold Cuss^d & Freestone correct
the South $\frac{3}{4}$ mile bet sec
33 and 34 - 139-29 at all
points marked thus "v" as given
on pages 33 and 34 This book
and put in the $\frac{1}{4}$ Cor bet 33-34
being a $2 \times 2 \times 36$ " in tan bog with
no B.T.S.

An old stake sets South about
 $2\frac{1}{2}$ feet. They make no new B.T.S
and the old ones are gone.

We go to Freestone's in my Ford
and on at School house at
SE Cor Sec 32-139-29 @ 5 PM

Freestone comes with us

Frank Gilletty arrives @ 5.15 P.M.
school clock which is 5 minutes
slow with my line

John W Cuss

March 26-1918 Contd

Pontio Lake Twp. Board

Herman Siltman 3 years Chairman

Frank Gilletly 2 "

Mont Garlin 1 "

Adolph Ulig Clerk $\frac{1}{2}$ mile E. of PontioJake T. Treas. $1\frac{1}{4}$ miles W. of Pontio

First State Bank of Bachman has funds

\$600-(about) P & O fund 1918

Town Board meet and allow all bills
order the money suspended for the
present and pay off the crew

139-29

Ponts Lake Twp
Crow Wing Co Minn

Mar 27-1918

Wednesday

We all get breakfast with Smith
and pull out with Ford for Pontoria
to get our checks cashed and as the
car is working poor change my mind
and turn back to Pine River

Stop at Lewis Wallon Town Clerk.
Barclay Twp to get my Town Warrants
but find the board cut my bill
\$19.50 They allowed Harold's

bill from \$17.50 to \$

and mine from \$ To \$

Total \$ instead of \$

Clerk gives me a check for
\$ in full for Harold & I

Barclay

May 28-1918 Thursday.

All day at home on the farm
Herald - Harold - Reed - Alma & I

May 29-1918

Friday. All still on the farm

Alma - Reed & I go to Jenkins
Supper with Mathis & Wes and back
home. Ilo is at Jenkins - goes to sleep

May 30-1918

Saturday. I put the car in F. E. Iverson's
garage at Pine River Minn

Got it out @ 9 P.M. Tip Satten-
burg \$1. Bill \$20.75

May 31-1918

Sunday - All day on farm
Wesley & Mathis failed to come for
Easter dinner

John W. Carr

Cass Co Work

Oct 11-1922 Wed

We are to survey a road
 Beg @ SW Cor Sec 16-134-29
 Thence N $\frac{1}{2}$ mile and East on E
 Working for Town Board

Henry White Town Clerk
 Roy Anderson and I copy US
 notes all AM in office

US Notes also New Notes

MC 49: oak 8 S 89 $\frac{1}{2}$ E 54 = 35.64
 " 10 S 14 W 35 = 23.10

MC 50: NP 12 S 3 $\frac{1}{4}$ W 30 = 19.80 FT US

MC 34: BP 12 S 61 $\frac{3}{4}$ W 24 = 15.84
 " 15 N 7 $\frac{1}{2}$ W 39 = 25.74

MC 35: NP 20 S 44 $\frac{1}{2}$ E 38 = 25.08

only one

52° cross

very close

9-10-15-16 - US Notes

BP 8 N 51° E 65 =

" 12 N 56 W 218 =

" 10 S 67 W 53 =

" 12 S 29 E 49 =

same

US

9-10-15-16 - New BTS. See Book

BP 12 S 45° 42' W 38.10 FT

" 12 N 57° 41' W 34.80 "

" 10 N 37° 45' E 48.30 "

Scrub oak 4 S 27° 47' E 15.40

Marked by Glass 9° 30' Vm

12 Smith

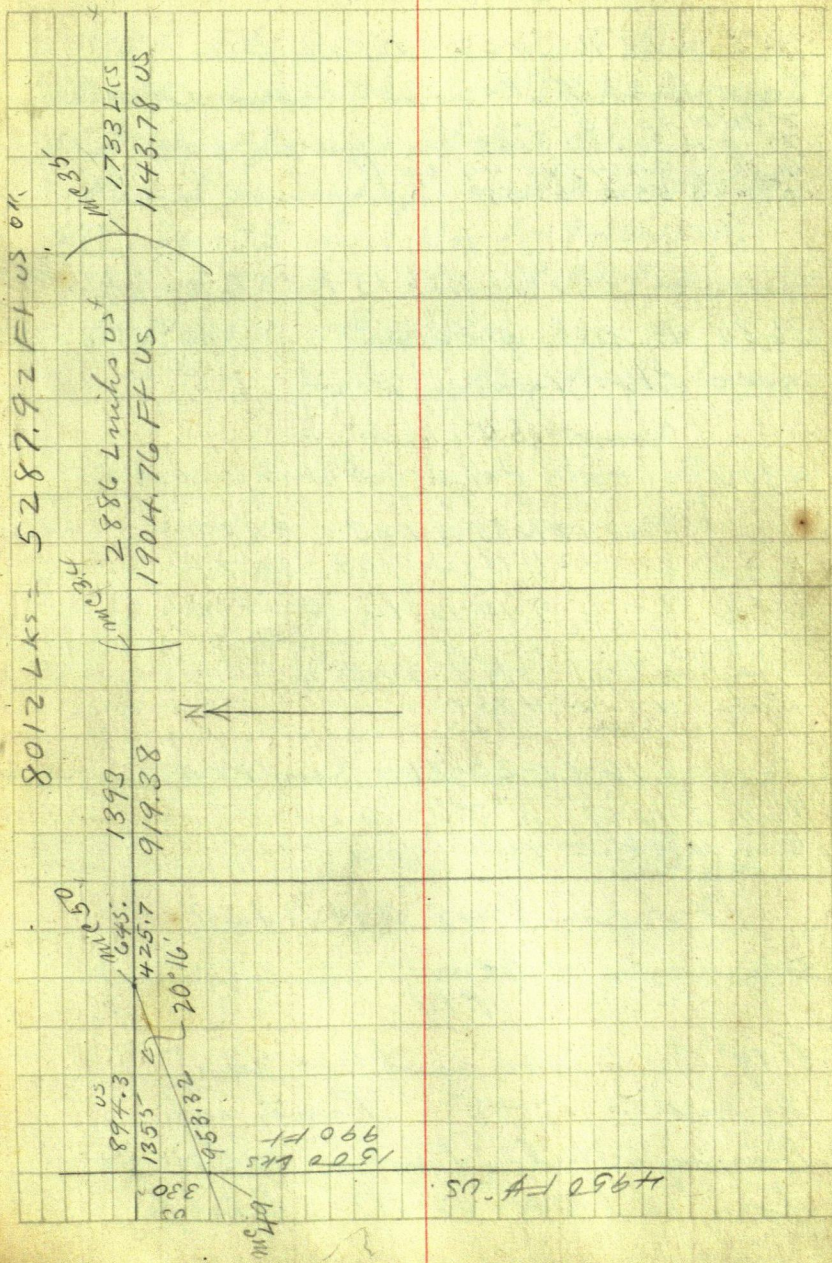
New

15-16-21-22-134-29 US

NP 16 N 9° E 52 LKS

BP 8 N 69 $\frac{1}{2}$ W 19 =" 8 S 21 $\frac{1}{2}$ W 39 =" 8 S 41 $\frac{1}{2}$ E 28 =

US Notes Over



134-29 US Nalis

15-16-21-22 New Notes

See Book 'A' Page 386 Record 179

7" JPN 35°E 52.25 F.

7" " N 36.30°W 63.0

4" " S 24°45'W 44.34 $\frac{1}{2}$ 9°30'

5" " S 55°E 68.55

US Nalis North Bet 15-16° True Line - 11°45'E

3630 E. end of Pond

4000 Pt for $\frac{1}{4}$ Cor in Pond

Offset 150 Lks E

4306 = over Pond set bet for wit $\frac{1}{4}$

Pace 12 N 55°E 143 = 94.38

" 12 N 18 $\frac{1}{2}$ °W 124 = 80.74

8000 Cor 15 9-10-15-16 - (See Page 42)

 $\frac{1}{4}$ bet 16-21 - K to W @ 4.BP 12 S 4 $\frac{1}{2}$ °W 478 =

" 8 N 21°W 303 =

16-17-20-21 - Cor Port

 $\frac{1}{4}$ bet 16-17 R.T. @ 4Oak 10 N 86°E 94 = gone
only one

Work from 8-45 AM to 12-10 PM

Dinner at home.

PM

Roy Anderson and his car

to Red @ 1-45. Pick up

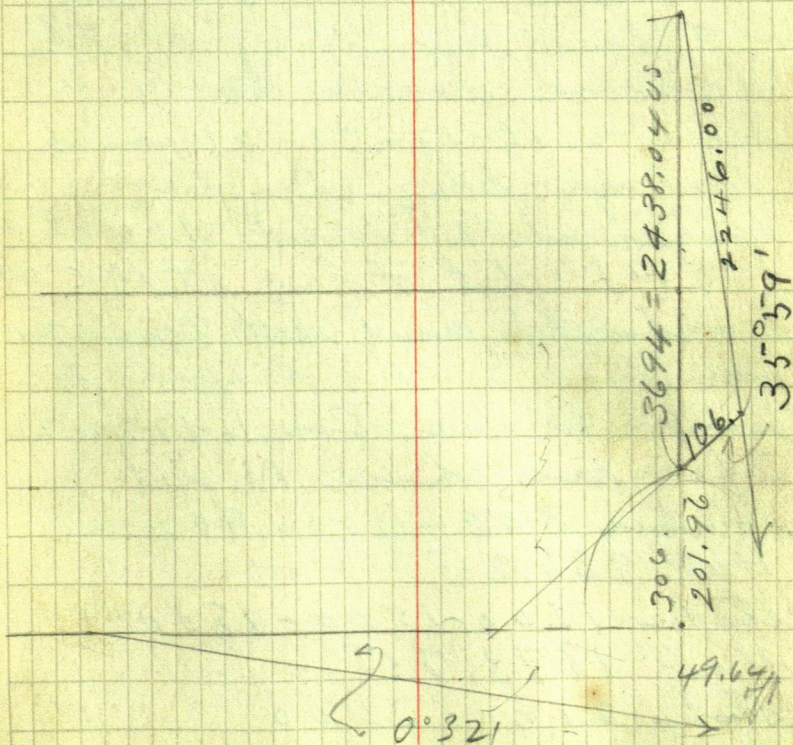
Henry White. Put in MCN: 50

from old SW-US-BT. Slump

@ 9:30' V then run rough line SW
along shore chain 953.32 rough ch.
old N-S fence about O.K.

Find iron pipe and old BTS @
MC. 34-35 and Co to 9-10-15-16
about O.K. ? Back to Beaumont
6 P.M. Calder.

Roy. E. Anderson.



134-29

Oct. 12. 1922 Thur.

Roy Anderson and car
leave Red 8 A.M. and pick
up Henry White and go
to M.C. 50. Set transit at
9° 30' Var. and run west
at 20° 16' and chain 953.32
and set hub. Get Mike
Situla at 11 o'clock to cut
out line running south.
We drive down to

Sec. Cor. 16-17-20-21 and
put up flag. Go to
dinner with White 12:15
1:00 P.M. Set Flag at M.C. 49
Go south and set transit
on line and set Hub. Go
south to Sec. Cor. 16-17-20-21.
Then re chain N. set
Stakes 300-600-900

Hub 980.25

Stake 1200-1500-1800

Hub 1873.75

Stake 2100-2400

Hub 2419.20

Stake 2640.-2700-3000

Stake 3300

Hmb 3311.50

Stake 3600 - 3900 - 4200

4500 - 4800 - 4969

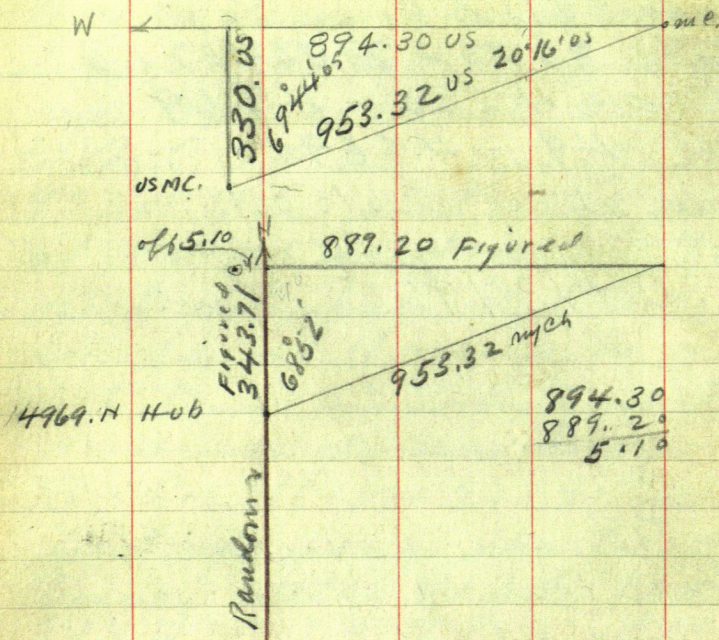
M.C. 49 - 4969

Arrive at Bed at 6.15 P.M.

Oct 13 1922 Friday

Roy Anderson and car meet
Curo at Court House 8:30 A.M.
Curo goes home and has
smash up with Chevrolet
with man from north.
Leave town 11:00 A.M. have
dinner at White and then
White and I go to ~~by~~ lat 15-16.
I go back to M.C. 49 and set
up and take angles. $68^{\circ}52'$
Arrive at Court House 3:40 P.M.
Curo and I work in office
to 6:00 P.M.

Roy E. Anderson.



North on random bet 16-17-134-29
 At 4969 N. set Hub on so bank of
 Gull Lake from which MC N° 49
 bears $N 68^{\circ} 52' E$ 953.32 ft.

Figures on 343.71 N and 889.20 E
 So at 5312.71 N. MC. would set
 889.20 East. At US water call
 this 894.30 E our random line
 is 5.10 ft for East at ft in
 lake. $5312.71 \text{ mli } 5.10 = .0009599$

134-29 Cass Co

49

Correcting Bet 16-17 = 96° W

Hut 980.25 N	gues W	0.94	✓
" 1873.75 "	" W	1.80	✓
2 2419.20 "	" W	2.32	✓
2638.70 "	" W	2.53	✓
3311.50 "	" W	3.18	✓
4498. "	" W	4.32	✓
4969. "	" W	4.65	✓
4982.71 "	" W	4.75	True M.C.
4969 + 13.71 = 4982.71 N - True M.C.			
4982.71 mag eq = 4950 Ft US on			

32.71 Ft long = .006608 long

N^{1/16} 3960 + 26.27 = 3986.27 W 3.8 = ^{1/16}

1/4 At 2640 N run N 17.45 to
2657.45 N then West 2.55 T.

Temp 1/4 Cor

Oct 14 1922 Sat.

Leave Bid. 8:15 A.M. on

my Ford. Pick up RENO

BAKININ at 9:30 and correct

LINE BET 16-17 Have dinner at

12:00. 12:30 Go to 1/4 BET 16-17

and set 1/4. Back right to sec. Cor.

and turn 90° Angle and run

east. Run to lake and

come back.

(cont.) Oct. 14, 1922 Sat.

Start at $\frac{1}{4}$ bet 16-17 and
chain east.

Set stakes 300-600-900

Hub 1074.70

Stake 1200-1500-1800-

Hub 1968.80

Stake 2100-2400-2700

Hub 2847.75

Stake 3000-3300-3600-

Hub 3880.50

Stake 3900-4200-~~4500~~

Hub 4333.75

Hub 4481.75

Arrive at Red. 6:30 P.M.

Roy Anderson.

Oct 16-1922 Monday;

Anderson and his car with Curo
L. Red 2-P.M. drive to $\frac{1}{4}$ Cor bet
15-16-134-29 Find NE BT standing
green and plainly marked -
NW line down and decayed

set 2x24" oak hub by flat
chain from face of line after
which both stand perfect @ 8:30' V

Time Sheet

October - 1922

	11	12	13	14	^{SUN} 15	16	17	
Roy Anderson.	8 Hrs	9	6	9	0	4 1/2	4 1/2	= 41. Hrs
Car	20 miles	20	20	20	0	20	20	120 miles
Expense	-	-	-	-	0	-	-	-
John W. Curo	4 Hrs	-	2	-	0	4 1/2	-	10.5 Hrs
Car	-	-	-	-	0	-	-	-
Henry White	4 Hrs	8	1	-	0	-	-	13. Hrs
Mike Setula	-	5	-	-	0	-	-	5
Reno Bakinin	-	4	-	7	0	-	2	13
MATT				4	0	-	-	4
HAY				4	0	-	-	4
SAN FRED				4	0	-	-	4
ARO								
Art Bakinin				-	6	-	2	2

52 Oct 16-1922 cont'd (11)

Fairview Turp Can Co 134-29

Wit-1/2 Cor bet 15-16 - bearing 306 L hr
= 201.96 Feet

New B.T.S

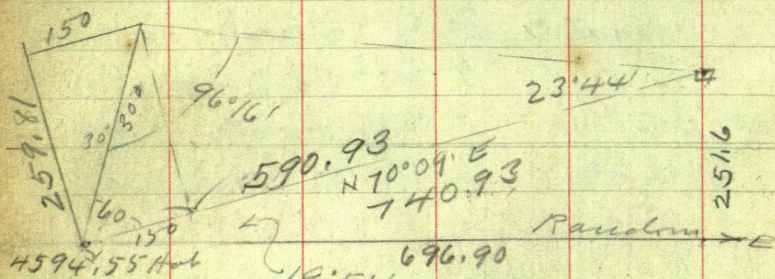
Old US 12' AP N 55° E 94.38 8'30"

New 10' AP S 51° 04' E 267.15

From Hub 44 81.75 E w/ chain E 112.80 to 4594.55

From which Wit Cor bears

N 70° 09' E Dist. See below, 774.93



$$\begin{aligned} 30^\circ 00' \text{ Sin } 500.00 &= 150.00 \\ \text{Cor } 86.03 &= 259.81 \end{aligned}$$

$$\begin{aligned} 23^\circ 44' \text{ Tang } 43966 \times 591. &= 259.84 \\ \text{cot } 2.27447 \times 259.81 &= 590.93 \text{ OK BS.} \end{aligned}$$

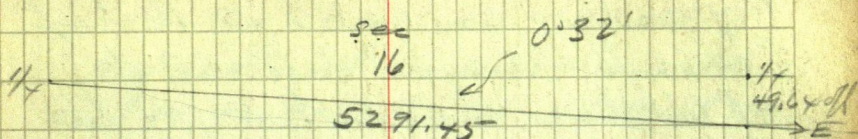
$$590.93 + 150 = 740.93 \text{ To Wit Cor}$$

$$\begin{aligned} 19^\circ 51' \text{ Sin } 33956 \times 740.93 &= 251.60 \\ \text{Corin } 94058 \times 740.93 &= 696.90 \end{aligned}$$

$$4594.55 + 696.9 = 5291.45 \text{ E. ft}$$

$$251.6 - 201.96 = 49.64$$

$$\text{At } 5291.45 \text{ E } 1/2 \text{ Sels N. } 49.64 \text{ ft}$$



$$5291.45 \text{ mlt } 49.64 = .009381 = N.$$

Correcting

E + W & Acc 16-134-29

Hub 1074.7	E	gaus N	10.08 ✓
" 1968.8	E	" N	18.47 ✓
" 2847.75	E	" N	26.70 ✓
" 3880.50	"	" N	36.40
" 4333.75	"	" N	40.65
" 4481.75	"	" N	42.05
" 4594.55	"	" N	43.11
" 5291.45	"	" N	49.64 T. 1/4 in lake

O.K.

Cross-Babcock and Anderson
figure these corrections in
office. Quit at 6-50 P.M.
Snowed today

54

Road Survey Cont'd

(13)

Oct 17-1922 Tues

Roy and his car L. @ 9-30 Pickup
 Reno Bakerin and Bro act
 at Whilis Correct E-W &
 Per 16-134-29 at points
 marked "V" and set hubs
 and tail stakes niked
 "True 1/2 Line"

set 2x36" border tubes at
 MC N^o 49 and 50 also
 N^o 16 and 1/2 bet 16-17
 BTS @ MC N^o 50:

Oak 6"S 22° 07' W 50.20
 " 12' N 89° 15' E 79.10 (ver 9)

BTS @ MC 49:

Oak 12"S 33° 20' E 58.50 (ver 9)
 " 5 S 55° 48' W 117.80

BTS @ 1/4 Cr

8" Elm S 50° 20' E 42.00 (ver 9)
 10" T. l. Pale N 6° E 136.40

Back at 2-PM.

56

(2)

134-29

at 2331.77 So Wit $\frac{1}{4}$ bear
Wit 62.28

Correction

$$2331.77 \text{ into } 62.28 = .02671$$

= 1'32" Tang

1'32"

Line .02676

$$\text{Corin. } 999.64 \text{ into } 2331.77 = 2332.6$$

2331.77

.83

Correcting N/S.

$$2438.04 \text{ OS} = 2332.60 \text{ my } 24$$

2332.60

$$105.44 \text{ short in } 2438.04$$

$$2438.04 \text{ into } 105.44 = \text{Nix}$$

on the line line. Let's use the
Random for correction

Vy 2438.04

V 2331.77

106.27

$$2438.04 \text{ into } 106.27 = .04360 \text{ short}$$

$$1320 \times .0436 = 57.55 \text{ short}$$

$$1320.00 - 57.55 = 1272.45$$

Via random.

1272.45 S goes W (.02671)

W 33.98 ft to line N $\frac{1}{16}$ Corner

Arrive 5:30 P.M.

Dec 5-1922

(37)

134-29

Roy Anderson and crew
leave Bid 9:00 Arrive White
at 9:30 A.M.

Henry White and I cut and chain
N-E-W $\frac{1}{16}$ Random line 300-
600-900-1200-1320-1500-1800-2083.3
2100-Lake 2400-2700-3000-3300-3600
Leave Lake 3900-4200-4500-4800-
5100-5280.

We set $\frac{1}{16}$ corner SEE Page 56-(2)
Set Transit in Hat 5280, E
which $\frac{1}{16}$ Corner bears N $2^{\circ}36'E$
171.60 ft.

Go to Henry Whites for dinner
at 2:00 P.M.

3:00 P.M. go back to 2083.30 E
and correct.

5280 into 171.60 = .0325

2083.30 E goes N $2^{\circ}36'E$ 67.21

1320.00 E " N $2^{\circ}36'E$ 42.90

Arrive Bid. 5:00 P.M.

Morrison Co Work

Working for Watkin Pugh who
owns $W\frac{1}{2} NE\frac{1}{4}$ and $NE NE\frac{1}{4}$

Morgan Pugh his brother owns

$SW NE\frac{1}{4} = 40$. We are to locate

$\frac{1}{4}$ Cor on N side Sec 5-

131-30 - so as to establish

N & S L. sec 5-131-30 between Pugh

and Harry W. Peterson who

owns 3. forties in a string N & S.

being $E\frac{1}{2} NW\frac{1}{4}$ and $NE SW$.

Sec 5-131-30

Care Called for Aug 28 1923

A. H. Vernon First Natl Bk Bldg

Little Falls attorney for Peterson

DN. Cameron Rooms 4 & 5

First Natl Bank Bldg Little Falls

attorney for Pugh also Co attorney

Nels Peterson former Co Surveyor
has made a rough survey for
Harry Peterson and has set
Pugh's north corner about
100 ft for East

August 6-1923 Monday

Alma-Reed and I take Harry Agner and baby Todd in my car drive to Pugh's farm via Pillager Home via Ft R'pley - no charge

Aug 15-1923 Wed

Alma Reed and I with "Baby Grande" L. Red @ noon - drive to Pugh farm via Ft R'pley P.M.

Lv Reed to play - Alma and I take Mr and Mrs Pugh drive East to NE Cor T 131-30 Talk with Henry Siegmund and back home

Aug 16-1923 Thursday

I had my car take Wat Pugh and his two sons John and David and drive to NE Cor T 131-30 where there is supposed to be a large stone house and back for dinner - P.M. I go get Levi White who shows me stumps of S&W no find corner. John W. Reed

60 Pugh Sry ③ Clough Twp
131-30

Aug 17-1923 Friday

Light rain last night. Wat Pugh
with his team and two sons takes
his plow and goes to work for
Clough Twp 131-30 1st scrape
and plow up stone mon @ NE
Cor - Reed goes along

They take lunch. Lloyde goes

John Pugh and I go to NE Cor

Sec 5-131-30 where US Notes call for

Pine	6N 30E 10'	6.60
Pine	6S 40E 08'	
Pine	4S 30W 13'	
Pine	6N 40W 10'	6.60

We find what may be the NE stump from
which I set a 2" Hub which in a few
ft. N of E E road. Then drive Temp
1/4 N 2. at apt in E E road road
33 ft. and in line with NE Cor of fence
running to start a pocket line
West along road & then

P.M.

Alma and I drive to NE Cor of Twp
131-30 where Pugh and team have just
recovered the 8" stone which is in E
wheel track of N E road and N of N wheel
track of road running west. Henry
Dingman goes with Alma and I

to see Tom Kraus chairman Clough Twp.
 N=131-30, Kraus says go ahead and monument
 Dingmans corner @ about \$12 for 4 T.M.S.

\$3.32 each. Home via Ft Ripley. To Pugh
 where we take supper then with "Wat" and
 John Pugh drive home to Beaverdam

Aug 18-1923 Sat

Pugh & son help me and Reed
 survey at Nissawa - Lunch out

Aug 19-1923 Sunday

Pugh and son John, Alma Reed and I
 take lunch go to Hubert - survey - eat our
 lunch with Rev Lowery go to Jenkins see
 Hugh Pugh and back to Beaverdam

Aug 20-1923 Monday

All day in Beaverdam fixing car
 Buy Reising Pistol & R.D. King \$28.
 Wm finally gets Helen Stover

Aug 21-1923 Tuesday Alma - Reed and
 I go home with Walter Pugh and son John
 on 10-30 - am.

P.M.

We get L Lokka and we dig for
 1/4 on N side sec 5-131-30

Aug 21 - 1923 continued.

Pugh & sons cut line from NW cor 5-
half a mile west. P.M.

Wathin Pugh and I want good
witnesses to $\frac{1}{4}$ Cor on N side of 5
131-30 before breaking the sod to any
great extent so drive to sec 24
131-R31 and ask Andrew K. Johnson
to come as a witness with Mr. Lohka
but he refuses to come also Mr. Henry Peters

August 22-1923 Wed.

We get Louis Lohka as a witness
to dig for $\frac{1}{4}$ Cor N. side 5-131-30
Other witnesses are Mr. Pugh and
his sons. Mr. Curo and Reid. also
Wathin Pugh- Louis Lohka and John
W. Curo and as the sod has not been
broken we dig.

We first find an old old stake 3 inches
thick 16" long set 6" below sod surface.

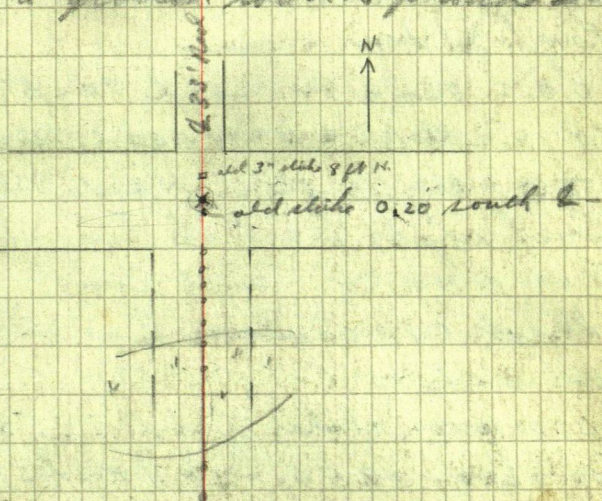
Then we find over 2 ft trench South
8 feet where we find a sharp point
stone about 15" long 12" wide 2" to
5" thick and an old 2" stake 2 inches
to 4 in rock. Note the stone is

Aug 22 - cont'd ⑥

Pugh

63

1/4 N. side 5-131-30 continued
in line with an old line of fence posts
running south also in E of a surveyed
contour running south also
in E of a graded road 18 ft wide & w



Pugh and sons and I cut line
West 80 rods and Quit for mile.

After supper Alma and I take
Mr and Mrs Pugh and drive 4 miles
West to get John E. Krantz to help
John E Krantz owns all of sec 35
132-31 - Cushing P.O. RFD #1. Box 48
Lives E of sec 35. He comes home
with us and sleeps in Pugh's barn
Mrs Peterson & Harry give me permission
to cut line West

August 23-1923 Thursday

JWC with H & B Transit Double Center-
hub. JWC and JEK. Chain perfect
300' ch steel tape and Plum-bob
Melvin J. Mitchell as.

Pugh and Lons as men

O.O. = Temp $1/4$ N. side Sec 5 = @ Stone

O. = Stake \angle E & W Road = Temp NE Co.

π @ O.O. = $1/4$ stone N side Sec 5.

Back sight East on line with 'O.'

Hub @ NE Co. and run

West on random line bet 5-82

Var reads 10°

300-600- stakes not on line 859.40 Hub

900-1200- 1254. = IP of Road S & W

1263 \angle road 1284.85 Hub 1320 stake

1500. 1567.10 Hub (Standing) 1758.30

1800. 1821.50 Cross 2. wire fence

20 ft so of rounding NW corner

2100. 2310. Hub 2400. 2400 + 166.15

= 2566.15 West Hub @ 2400 + 152.65

= 2552.65 West Hub

π @ 2552.65 West Old stake set by Peterson

beam N $1^\circ 33'$ W 84.25 ft to Peterson's stake

My new 2x36" stake set from old pine

beam N $0^\circ 48'$ W 84.50 ft

Working For Nattin Pugh Rausdall Altman

August 1923

John W Curo 2/15.

Car @ 85.

Watkin Pugh

Team

David Pugh

John Pugh

Lloyd Pugh

John E Krantz

Melvin J. Mitchell

Pugh

65-

⑧

Aug 23-1923 Cont'd

At NW Cor. Sec 5 = Cor. 1-

5-6-31-32 T 131-132 NR 31 US Notes

Pine 24" N 30° E .05 LKS = 3.30 FT

Oak 6 S 20° W .07 " = 4.62 "

Birch 6 S 30° E .15 " 9.90 "

Aspen 8 N 45° W .27 " 17.82 "

We find a shell of a 36" Pine stake which Co Surveyor Nelson Peterson has evidently used as the old US BT. but his new stake sets 1.20 ft too far SW.

Assuming this line as the US BT I set a new 2x36" oak stake from which BTS Vij

Pop 6 N about 40° E 10. FT

Oak 8 N " 45° W 28.10 "

Pop 5 S " 45° W 30. "

NP 12 " South 21.10 "

Old stake set by Peterson S 45° W 1.20

old small stake S 45° W 1.00 FT @ NW cor

At Hut 2552.65 var of random records 12° var E A line of spots lead South from this corner

Harry Peterson comes along just as we quit

131-30

10

Pugh

67

Board Sheet

Aug 1923	15	16	17	-	21	22	23	24	25	SUN 26	27	28	29
----------	----	----	----	---	----	----	----	----	----	--------	----	----	----

With Mrs

J. W. C.

D	DB	DB			D	DB	DB	DB	D	DB	DB		
---	----	----	--	--	---	----	----	----	---	----	----	--	--

SL	SL	S			SL	SL	SL	S	SL	SL	S		
----	----	---	--	--	----	----	----	---	----	----	---	--	--

Alma

D	DB	DB			D	DB	DB	DB	D	DB	DB		
---	----	----	--	--	---	----	----	----	---	----	----	--	--

SL	SL	S			SL	SL	SL	S	SL	SL	S		
----	----	---	--	--	----	----	----	---	----	----	---	--	--

Reed

D	DB	DB			D	DB	DB	DB	D	DB	DB		
---	----	----	--	--	---	----	----	----	---	----	----	--	--

SL	SL	S			SL	SL	SL	S	SL	SL	S		3
----	----	---	--	--	----	----	----	---	----	----	---	--	---

John E Krantz

					D	DB	DB			DB	DB		
--	--	--	--	--	---	----	----	--	--	----	----	--	--

					SL	SL	S		SL	SL	S		
--	--	--	--	--	----	----	---	--	----	----	---	--	--

Aug 24-1923 Friday

Big @ $\frac{1}{4}$ stone N side 5-131-30

back right West on random run

East along line @ road

@ 55.30 Hub 83.50 E I M 2"

set by Peterson sets 1.70 N.

300-600-900-1200-1320-1478.9 Hub

1500-1500-1800-2100-2400

2628.20 interest Hub 0. = Temp

NE on sec 5.

Ht 2628.20 E on Creek

Right so as to follow graded road line and continue

East along E road

2726.20 E old stake set by Peterson

sets $\frac{1}{2}$ ft N of wheel track

from which view spot on N.

side of 10" pine stump bears about so 15.70 ft

3000-3300-3600- stake not on line

3792.80 E Hub 3900-4200

4500-4800-5100 stake not on line

5107.70 Hub 30 ft west of top of

hill 5100 + 180 = 5280 stake 5400

5700. Alma Reed & I go to Paul - Mrs Krantz takes him home.

John W. Cress

Aug 25-1923 Saturday

Alma Reed and I & Helen
Dowin still keeping house alone
and L. B. at 11-30 - dinner at
Pillager - At Pugh farm 2 PM
PM.

Cross to Krantz & cross ch.

Mitchell - Pugh and sons &

Continue East on N. side Sec

5757 E. a road NW-SE 5779.

Hut - 6000 - 6300 - sth 6390 culmination
N - and SE - 6500 L. - Run 400' SE and
150' N. 6600 stake set Hut and quit
for rain Home @ 3-30.

Aug 26-1923 Sunday

Same crew Continue bet

East 6791.60 Hut, 6855 end of open
meadow, N-S- 45° N - 30° N 6900 sth

6925 L. mark 7200 stake 7319.60

Hut 7500-7800 not on line Van reads 9'30'

7800. + 221.40 = 8021.40 Hut from which
old stake in pile of stone bears N 5°30' W

6.10 ft

At this point being corner to sec

3-4-33-34 T 131-132 N R 30 W US N. 1/2 Sec

70

Hold us
at?

(13)

0° 48'

$$\sin .01396 \times 84.5 = 1.18$$

$$\cos in .99990 \times 84.5 = 84.50$$

$$2555.21 = 0.33085$$

Sec 32
132-30

1° 53' 30"

stone

1/4

0°

Sec 5
131-30

1° 53' 30"

sin .33085

$$\cos in .99946 \times 2553.83 = 2555.21$$

= 1.38 Long rig True Line

port and
Oak

8 S 12° W .09 = 5.94 Ft
" 8 N 60° W .10 = 6.60 "
" 8 N 22° E .31 = 20.46 "
Buck 8 S 25° E .15 = 9.90 "

We find stumps of all 3. oaks which
check perfect for distance

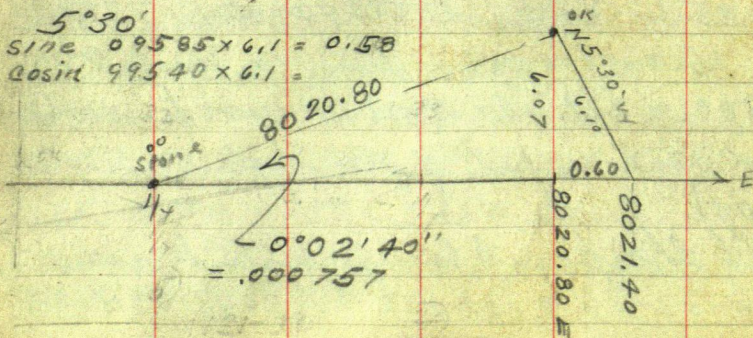
New BTS

OAK 3 N 40° 50' E 44.05 44.05
POB 4 N 30° 35' W 70.00 34.45
OAK 5 S 89° 04' W 34.40 70.60
" 10 S 23° 21' E 56.77 56.77

5° 30'

$$\sin .09585 \times 6.1 = 0.58$$

$$\cos in .99540 \times 6.1 =$$



31	32	T/32 R30 33	34	35	36
6	5	4	3	2	1
T/31-R30					



$$2555.21 + 8020.80 = 10.576.01 \text{ my ch}$$

$$\underline{10.560 \text{ US}}$$

$$16.4 \text{ Long}$$

16. ft long in Two (2) miles = 2. ft in
each "40" - 1320 US = 1322 my chain

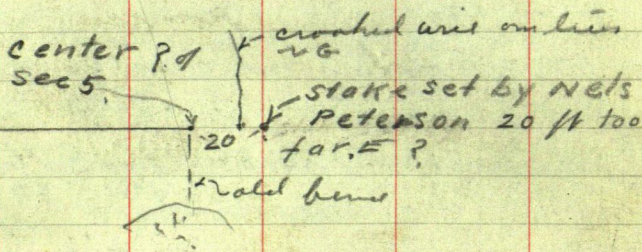
over

Aug 27-1923 Monday

Wathin Pugh and I call on Harry Peterson and his mother and explain the survey. They set light.

Krantz-Pugh and I walk to $\frac{1}{4}$ on S. side of Sec 5-131-30 but find no corner which Pugh claims is in a small lake. I have no US notes.

We try to find up N 15 & 15-20.



We fail to get any definite N 15 line
PM.

US Notes:

NE Cor 4. = 3-4-33-34-131-132-30

See Page 70

$\frac{1}{4}$ N. Side Sec 4 US Notes Say
Aspen 10540 E 17 LKs
Birch 6N30 E 12 "

NE Cor 5 = 4-5-32-33-131-132-30

See Page 60.

John W. Curo

US Notes Cont'd

 $\frac{1}{4}$ N side Sec 5 US Notes sayAspen 6 S 30° W 10 LKs = 6.60 Ft
Birch 6 N 10 E 15 " = 9.90

NW Cor 5 = 5-6-31-32-131-132-30

See Page 66. US Notes

Correcting

 $\frac{1}{4}$ N. Side Sec 5-131-30Q. 00. = 2555.21 (Via True Line) East of NW Cor
from which we chain along true random
East 88.79 To 2644. EBTS viz Turned from random East
set 20 x 1 1/2" pipe in mound of stone

4" Birch N 29° 44' E 33.18 //

5" Poplar N 37° 02' W 29.05

The NE Birch in a clump of 6" Birches
bears S 30° 05' W 42.46 Ft

6" Paps S 65° 14' E 85.56'

Var 19° 30' Turned from true line East
N end 76. wire fence is 29.50 SNels Peterson's 2" Iron Pipe bears
N 73° 10' W 5.70 Ft or about S 30° W - 1.70 NHt Stone @ $\frac{1}{4}$ N side of fence is 28.40 S
and 37.60 N to fence stubby west $\frac{37.60}{36.00}$ Mr Lokka comes along just in time to
help us set this corner and to cover up the
stone @.Krantz, Pugh and I then drive half a
mile East 1:00 near NE Cor Sec 5
marked 2628.20 E from which we chain

74

(17)

131-30

Clough Trip

East. Back sight West on random line
 being true line and $\frac{1}{2}$ road and from
 Hub 2628.20 continue East $2553.83 + 138$
 $2628.20 = 5183.41 E + 104.59 = 5288.00 E$
 at which point we set a 2x9 inch cherry
 stake with a 5 inch rock on top from which

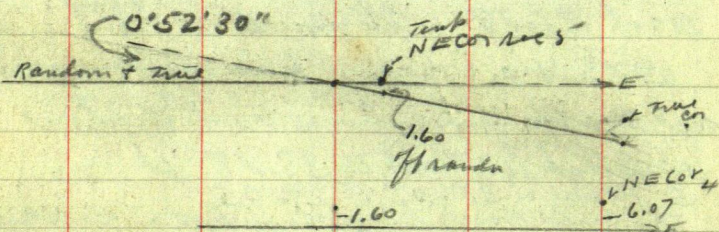
BTSU
 3" Pin N 28° 45' E 42.65

NP 11" N 49° 40' W 61.35

PO 3" S 57° 12' W 43.20

10" Pine Stub 7" HI S 41° 20' E 119.95

Peterson's stake sets 6.50 W 11.00 South
 Peterson's BT stump S 21° W 17.80 all turned
 from true line looking West



See "Dad" Olson about the LOKKA
 corner set by Andy Finn Out @ 5:50 PM

Lv Pugh farm about 7-PM
 go to farm of A.W. Olson
 R #13 Ft Ripley T.L.
 call Central @ Ft Ripley

"Dad" Olson knows a lot
 about 1/4 cor No 1 of 5
 131-30 and will go as a
 witness as Pranner via
 Pillager about 9-PM.

John W. Reed

(18)

Morrison Co. Work
131-30

75

Aug 28-1923 Tuesday

Alma and I Lv Brainerd 11-30

AM. Dinner with Wesley

Sunny Alf Olson host-

Supper with Wesley

Call up D H Cameron ^{75¢} p-l

Little Falls Co Attorney who
says I am to get Hugh Pugh
3 miles E of Jenkins - Alma
Reed and I get him out of
bed and take him to Brainerd
Ar Bed 10-50

Aug 29-1923 Wed ? I & Kirk Smith
make map AM

Alma - Reed & I take Hugh Pugh
via Pillager - pick up Dead Olson - Lv
Reed @ Pugh. Pick up "Wat" (who forgot
trial) at Randall drive to Little Falls
Trial postponed we return home to
Brainerd via Randall & Pillager
^{81 T. Hugh before Jenkins}

Sept --- 1924

Alma Reed & I. Jenkins to Little Falls
via Bed Second trial postponed

76

(19)

Morrison Co
Clough Twp 181-30
Walkin Pugh

Continued Pg 120.

The Thorpe Survey Hubert Lake
Station to end Clark Lake

Sec 18 T135-R28

August

1923 Thursday

Harry Todd Secs. Mal. Clark and
lakes contract - 10 stake out Anna D
Thorp Lake in Sec 18-135-28

@ \$200.

I buy 30x3 1/2 cord line for Harry \$10.95 -

Aug

1923 Friday

Harry Reed and I in my car drive
to Hubert Station. Frog around all
day and eat our lunch

P.M.

1/4 Cor W. side 18-135-29 we find
1 1/4 x 48" Iron pipe driven in E. edge
of E. wheel track - N-S road set by Wm.

H. Hallett 20 years ago. Hallett's

BTS viz 10" JP S. about 85° W 8.70 FT

12" JP S " 45° E 14.90 "

We spot new BTS viz

9" JP N. about 20° E 16.75 ft. flat spot at base

SW Cor Sec 18-135-28 = Corner To Sec
 13-18-19-24-135-28-29 We find
 1 1/2" Iron Pipe and mark new BTS by
 8" JPN about 30° E 27.15 ft
 7" JPN S. about 30° W 34.25 ft
 12" JPN S. " 45° E 40.90 ft
 Note: Iron set 0.60 of a foot
 North-Westerly out of line with NE
 and SW BTS.

Flag @ SW Cor and Flag @ 1/4 W. sec 18
 work transit on line and set Hub in &
 M & Z Ry.

Aug 18-1923 Sat

Watkin Pugh and son John of Randall
 Minn. help Reed and I monkey around
 Sec 18-135-29.

Aug 19-1923 Sunday. Pugh & son
 with Alma Reed and I eat lunch with
 Rev Lowery at Hubert. Preliminary
 survey of Lowery lot. Go to Jenkins
 Hugh Pugh and back to Randall

John W. Coors

Sept 2nd 1923 Sunday

Alma - Reed - Helen Lewis - Jim Hann
and I meet Mary Hann and kids eat
lunch at Hubert

Reg @ CM SE Cor Sec 18-135-29

Jim and I chain West along road
300-600 culm marsh 600-650 20

900-jm 1038 cross road N-S-1200

1320 Hub - 1500 slake

PM

Reed and I finish chaining

1548.40 W - CM + I Ry. @ 1500 +

188.3 = 1688.30 Hub @ 1688.30 + 261.00

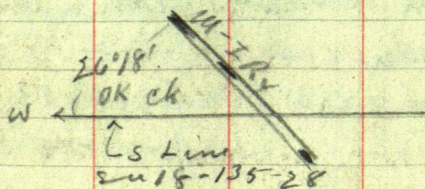
= 1949.30 W set 2x12 green J P Hub on
E. shore Lake Hubert BTS Vj

6" Elm S 64° E 15.35 ft

3" Elm N 49° 20' W 35.15 Ft. Turned
from line line looking East

NW angle Sec Line with back

26° 18' OK. Check with old survey



Continued on Page 106

①

$$\begin{array}{r} 1320 \\ 10725 \\ \hline 249.5 \end{array}$$

81

Titsworth-Clark-Thorp

Oct 2-1923. Tuesday

#1 \$125.^{\$150} I am to survey and get true location of a piece of land which old man Thorp^{one} described as follows:

Branford Nhin Aug 24-1923

Recd of W.B. Titsworth \$50. Part pt on strip of land in Lot 4. sec 24 T135R29 Uij

From a pt on W. Shore Hubert Lk. at a Cem Mon. 1072.5 Ft N of S. Line of Lot 4 Thence W. Parallel with S. Line Lot 4. -- 264 ft ^{To} Cem Mon Thence N. Parallel with shore of Hubert Lake 495 Ft to Cem Mon for the place of beginning

Thence Northerly Parallel with shore of Hubert Lake 700 ft

Thence East on a line Parallel with S. Line Lot 3. To shore Hubert Lake

Thence Southerly on shore 15 ft intersected by a line drawn East from pt of beg and parallel with S line Lot 4. (Said line so drawn being the north line of the

own

82 Oct 2-

(2)

premises deeded to D.R.

Blasped Recorded Book 67
Deeds Page 71.) Thence West
on said last described line
to place of beginning: -- Mineral
Rights reserved -- subject to overflow
by US etc. -- \$2000. in 30 days
for warranty deed. -- If owner
refuse to sell 700 ft it is
agreed that purchaser shall
have the southerly 400 ft
@ \$1200. -- Attorney for Thomas
A. Thorpe.

Geo Johnson and his Ford takes
me to Vienna where I meet Wesley
Dwight and their Bunch. At 10:40 a.m.
Drove to Hubert eat lunch brot by me.
PM

Find SW and NE cor Sec 24.

Dwight & Wesley go back to Jenkins
Geo & I home to Diamond at 6:10

Oct 3- 1923. Dwight and his Bunch
works alone with Geo Newman
Johnson & I at Pilager

John W. Curo

③

Tilsworth

	Time Sheet							SUN						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14 15
Oct 1923.														
John W Curo	1	-	1	1	1	1	1	1	1	1	1	1	1	1
Car	-	-	1	1	1	1	1	1	1	1	1	1	1	1
DB Curo 83.	1	1	1	1	1	1	1	1	1	1	1	1	1	0
WA Curo 83.	1	-	-	-	-	-	1		-	-	-	-	-	0
Car 83.	32	32	32	32	32	32	32		32	32	32	32	32	0
Geo Johnson	1	-	1	1	1	1	0		-	-	-	-	-	0
Car	32	-	-	-	-	-	0		-	-	-	-	-	0
Geo Newman	-	1	1	1	1	1	1		-	-	-	-	-	0
Preston Newman									-	-	-	-	-	0
Alma Curo														
Reed														
Recd from Mal Clark														
\$100 and \$50 = \$150. in full.														

824 Ad to full
D. 18-23
83. Ch Ad to full
D. 18-23

4

82

Oct 2-

②

premises deeded to D.R.

Blasphied Recorded Book 67
Deeds Page 71.) Thence West
on said last described line
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have the southerly 400 ft
@ \$1200. -- Attorney for Anna
A Thorpe.

Geo Johnson and his Ford takes
me to Nisswa where I meet Wesley
Dwight and their Bunch. at 10:40 a.m.
Drive to Hubert eat lunch brot by me.
PM

Find SW and NE cor Sec 24.

Dwight & Wesley go back to Jenkins
Geo & I home to Nisswa at 6:10

Oct 3-1923. Dwight and his Bunch
work alone with Geo Newman
Johnson & I at Pillager

John W Cress

③

Tilsworth

Time Sheet

Oct 1923.

John W Curo

Car

DB Curo 83.

W A Curo 83.

Car 83.

Geo Johnson

Car

Geo Newman

Preston Newman

Alma Curo

Reed

Recd from Mal Clark

\$100 and \$50 = \$150. in

full.

SUN
14 15SUN
7

8 9

10 11

12 13

14 15

At Sylvan No work

Rain in am. Dwight and Newman came
and went back

4

\$24 Ad in full

D. 18-23

\$3. CA Ad in full

D. 18-23

Oct 4. 1923 Thursday

Tilsworth Survey.

Tilsworth is to pay me \$50 Anna

Thorp 75 Total \$125. To be paid by attorney

Clark. Johnson & I in my car

Lo Brainerd 7-50 with my car and Geo Johnson

Dwight and his Busch brings Geo Johnson from Jenkins

From Red flag @ iron pipe @

Corner 1-13-14-23-24-135-30 run

West on old cut-out line bet 14-23

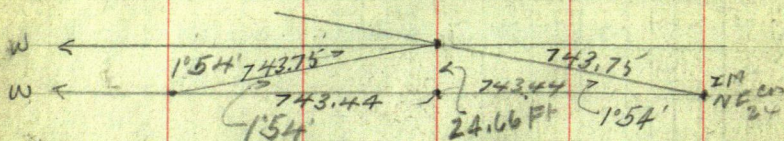
at about 100 rods bet House

and run angle From O.O. run

1°54' R 743.75 Then 1°54' + 1°54' L

743.75 set Hub then 1°54' R. and

Continue West bal of mile set Hub on West side small lake



$$1°54' \text{ sine} = .03316 \times 743.75 = 24.66$$

corr

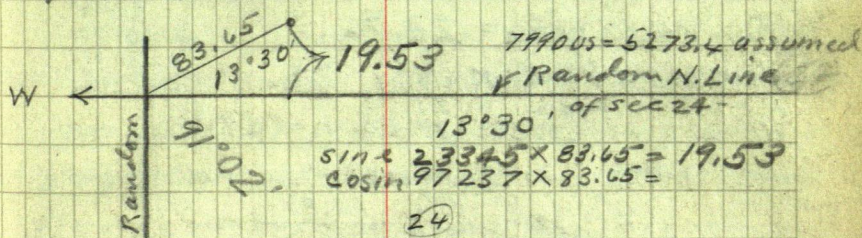
99945

L & 5-30 PM

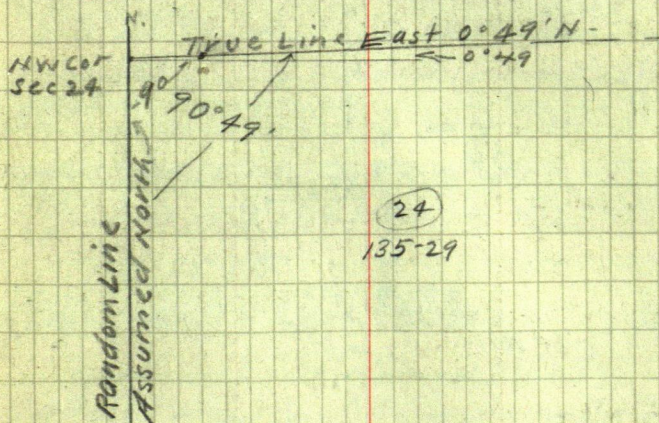
John W. Curo

Oct 5-1923 Friday

I and Baby. Grand with Alma Lake
Geo Johnson to Hubert Lake - meet
Dwight Curo-Burich and Geo Newman
Intersect West and N-Random
boundary lines of sec 24. - 135-29
using Knutsons old transit line off
at bathhouse on West side, 24



$$5273.4 \text{ into } 19.53 = .003706 = 0^\circ 13' \text{ Tang}$$



We find a 2x2 stake set for the line corner

OS Xaler call for: 13-14-23-24-135-29

Tam 4 N 77° 1/2 E 70 = 46.20 US =

" 4 N 48° 3/4 W 61 = 40.26 US = 39.50 mych

" 3 S 38° 1/2 W 52 = 34.32 US = 32.90

" 6 S 42 E 65 = 42.90 US = 42.40

We find all but NE line - all well marked - dead

Dist bet SE & NW is - See above

North U 10° 38' Bet 23-24

1344 = (887.04 Ft) MC.

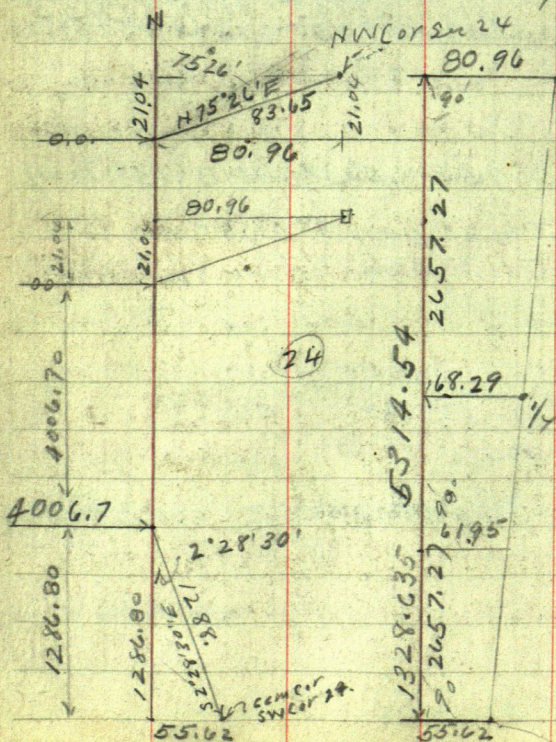
Tam 3 N 70° W 36 = 23.76

40.00 Act 1/4 Cor

NP 20 N 61° E 32 = 21.12 Ft

NP 20 S 49° W 50 = 33.00 " gone

2194
40 06.70
1 286.80
5314.54



$$75^{\circ}26' = 14^{\circ}34'$$

$$\sin 75^{\circ}26' \times 25151 \times 88.65 = 21.04 \text{ N}$$

$$\cos 75^{\circ}26' \times 96786 \times 88.65 = 80.96 \text{ E}$$

Put in 1x24 inch stake at intersection of
random line @ NW Cor Sec 24-135-29
Marked o.o. from which we chain

South on old random line

300-stake 358.5 stake on line = Hub

433. old Hub 600-900-stake

1142 Corn road E-W - Main Road (old grade)

1200-1500-stake 1559.80 Hub 1769.70 North Hub

1800 stake - 2100-2400 - 2415 Corn Road E-W

2450 about same road E-W - 2700 - 3000

3300-3600-3900 stake 4006.705 Hub in

big bog from which Corn Mont Iron rd

@ SW Cor Sec 24-135-29 bears

$S 2^{\circ}28'30'' \text{ E } 1288 \text{ Feet}$ chained by
Dwight and I with Snow Shovel and
skier across soft bog by

$$300 + 110 - 267 = 677 \text{ stake}$$

$$+ 300 = 977 + 311 = 1288 \text{ To Corn}$$

$$2^{\circ}28'30''$$

$$\sin 2^{\circ}28'30'' \times 1288 = 55.62 \text{ E}$$

$$\cos 2^{\circ}28'30'' \times 1288 = 1286.80 \text{ S}$$

From SW Cor 24 Fours N $2^{\circ}28'30'' \text{ W}$ + Run

N $86^{\circ}59' \text{ E}$ on row L @ 610 Am.

88

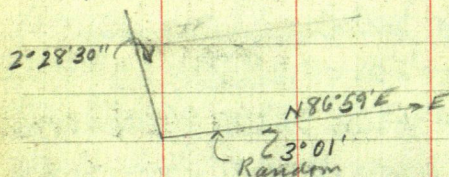
Titsworth Survey 24-135-29

Oct 6-1923 Sunday

Alma-Reed-Geo Johnson and Baby Brande
 Lu Brainerd 8-10 Dwight cars - Quick with
 Geo Newman meet us at Hubert Lake

Cut out random line on the side 24.

From CM @ SW Cor Sec 24 Feas N 2° 28' 30" W
 Spring let NE and run N 86° 59' E on random



From SW Cor 24-135-29 using
 West Random as N & run
 N 86° 59' E and then
 East on random

500 about Lu mark

603.80 Hub on Hill + 120.40 =

724.20 plat. + 300 = 1024.20

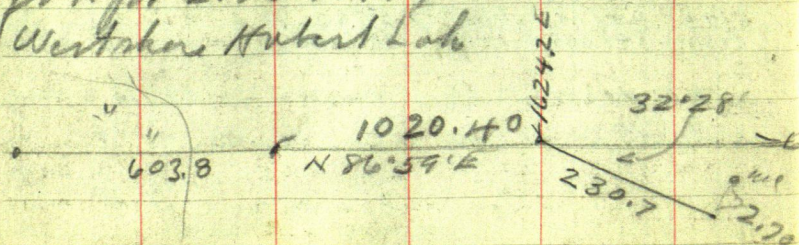
+ 300 = 1324.20 + 300 = 1624.20

Hub 190. From Hub 1624.20 E

then 32° 28' R. and run 230.70

W left 2.70 T. R of CM MC.

Westshore Hubert Lake



$$230.70 \text{ into } 2.70 = .001169 =$$

$$0^{\circ}40' - - 32^{\circ}28' \text{ Less } 0^{\circ}40' =$$

$$31^{\circ}48'$$

$$\text{Sum } 52696 \times 230.70 =$$

$$121.73$$

$$\text{Cor } 84989 \times 230.70 = 196.32 - .32 = 196.00$$

$$E 1624.20 \rightarrow$$

$$196.00$$

$$31^{\circ}48'$$

$$230.70$$

$$121.73$$

$$1624.20$$

$$196.00$$

$$1820.20$$

$$1820.20$$

At 1820.20 East MC CM runs S 121.73

Random 1820.20 N 86.59' E

$$1824.29$$

$$3^{\circ}50'$$

$$121.73$$

$$1820.2 \text{ into } 121.73 = .06698 = 3^{\circ}49'30''$$

$$89^{\circ}60'$$

$$3^{\circ}50'$$

$$86^{\circ}59'$$

$$2^{\circ}01'$$

$$3^{\circ}01'$$

$$49'$$

Figuring

	Degress	Minutes
	86.	59.
Add	3.	50
	89.	1 09
	1	60
	90°	49'

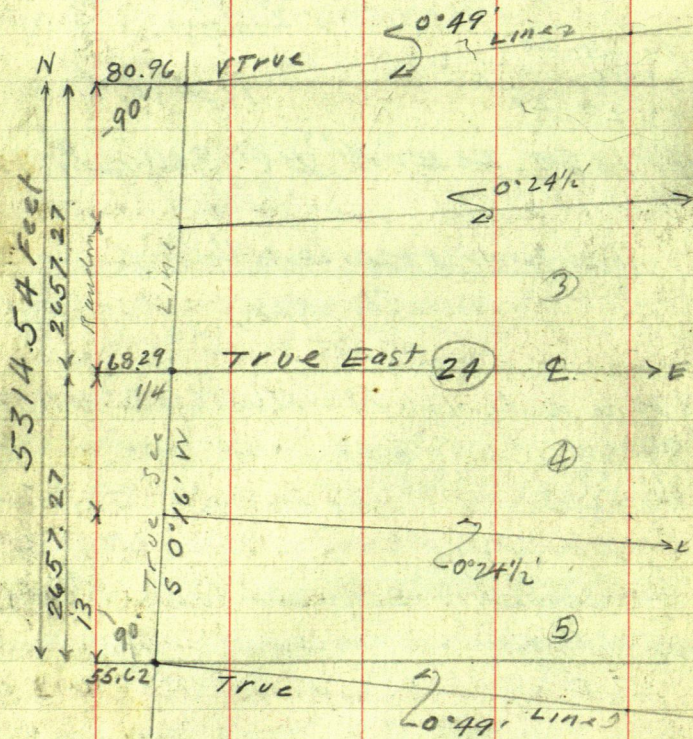
So that the So line of sec 24 runs
 $0^{\circ}49'$ to the Right of an East line drawn
 from our Random West line of sec 24 and
 the North line runs $0^{\circ}49'$ to the Left of an
 east line drawn from the same Random
 West line of sec 24. which is very
 Remarkable Put in 1/4 cor and east line
 E @ 90° L at G. P.M.

John W. Cress

90 ⑪ Tittsworth Survey 24-135-29

Oct 7-1923 Sunday

Alma-Reed and I met
 Wesley-Matthe-Swright-Mary-
 Swright Junior and Geo Newmat at
 1/4 Cor on W. side Sec 24-135-29



$$\begin{array}{r} 80.96 \\ 55.62 \\ \hline 25.34 = .004767 = 0.16' \end{array}$$

Topset in $\frac{1}{4}$ Cor bet 23-24-135-29
 Nali: as Hah 27005' is really 2721.04
 we chain north 62.77 T. ft 2657.27 S
 where we set Liannit Turn 90° to east
 and run East 68.29 ft and set 2x20
 Hat for TRUE $\frac{1}{4}$ Cor bet 23-24
 8" JPS about 80° W 5.78 ft
 8" " 1x " 20° E 15.18 ft

Long flat spots both marked with
 Blue Chalk giving distance

East on line & see 2x
 213.30 peg in & 8" JPS 15' west
 of heart. 300 stake enter low land
 350 swamp N-S 600 stake, 800 L
 900 Hub 1050 Low land ^{1175 L} 1200 stake
 Hub 1500-1670.90 nail in heart
 6" green JPS stump 1800-2100 stake
 Hub: 2237.45 Nail in N edge
 10" JPS stump 2355 Crossman
 road N-S- 2400 Hub: 2409.50
 nail & of 6" JPS stump cut Low
 2597.90 Hub on brink
 5" JPN 15° 45' W 4.78 FT
 7" " S 25° 45' W 12.85'
 2618.20 N edge of spot N side 10" JPS
 on brink 2638.50 Hub on res and mile
 7 stam

92

(12)

24-135-29 Tiltsworth Survey

Oct 8-1923 Monday

Rainy - Talk with Mal Clark - Tiltsworth was up yesterday but we did not see him.

Alma and I drove to Beauriville about

10-00.

We miss Dwight some place near Vinwa as tracks show that he has been here and gone back to Perkins.

Alma and I Beg @ NE cor 24 cut line South almost to Lake Hubert but hit buildings then come back and from IM @ NE cor Sec 24 Chain

West along random 300-Block

420 (about) cross main road NESW

600- 838.20 Hub (may not be on line)

900- sth 1190 cut SE cor Cranberry bog

1200 sth in bog 30 ft N of shore 1321. west

old 1/4 stake set by Hallett sets about

3 ft N Bog runs 15 ft to 1400 to bog

SW cor. 1500 stake 1774.90 Hub 1800

1825 old road N-S 2100 sth - 2400 Hub

2648 (about) SE cor put off fence also walk

about 3 ft 2699 Hub angle pt. 2700

stake

Eat out lunch 3 P.M.

 $2699 + 743.44 + 743.44 = 4185.88$ 710 Hub $+ 294.62 = 4480.5 = 2$ Pins. $4185.88 + 300$ $= 4485.88$ stake $+ 14.12 = 4500$ stk 4600Stk 4600 cut bog. $4600 + 275 = 4875$ stk

E. Edge of water. Pick up nose - new house

of Pine River Home lot. Alma & I ch.

John W. Carr

Tilsworth (B) 24-135-29

93

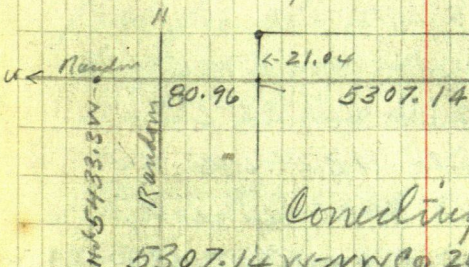
Oct 9-1923 Tuesday.

Mt Sylvan Sec Big Book N: 4.

Oct 10-1923 Wed

Alma and I meet Swright and
Penton Newman at NW Cor sec 24

Bez @ stake 4875 W chain 223.10
= 5098.10 stake on West shore of lake
+ 290. = 5388.10 Hub at PI random lines
+ 45.20 = 5433.30 West hub on solid
land. At 5388.10 minus 80.96
= 5307.14 West, NW Cor Sec 24. bear
North 21.04 ft See Page 86.



Correcting

5307.14 W-NW Cor 24 plus N 21.04

2653.57 W gain N. 10.52.

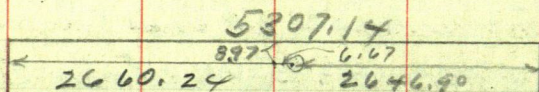
1/4 Bet 13-24-135-29 US N. 4

BR 6 N 30° W 54 Lks = 3516.4 FT

NP 14560° W 56 " = 36.96 "

We find the stump of the old US SW
BT. from which we set the line 1/4
turned from true course of NW line

From stake 2700-w chain East
 53.10 to 2646.90 west from which
 $\frac{1}{4}$ sec. North 1.55 ft
 Temp $\frac{1}{4}$ sec 6.67 W. and 8.97 Nalt



West half is 13.34 longer than East half

New BTS NP15N 77°10'E 51.80

7" GPS 25°20'E 41.60 T. band lines
 sent but course out on fire in chalk

Dinner out. PM.

13-18-19-24-135-28-29 US Notes say

To put in S $\frac{1}{16}$ Cor bet 22-23
 5314.54 in 4 parts = 1328.635 x 3 =
 3985.90 and as 3900, is really
 3921.04 S we chain S. 64.86 T. 3985.90
 all that then @ 90° run E 61.95 set tall
 Birch stake True S $\frac{1}{16}$ bet 23-24-135-29
 Too dark to continue sought back
 to Jenkins Alma and back to Brannin
 7-PM.

Jahn W. Curo

Sec 24-135-29¹⁵ Titsworth Survey

Oct 11-1923 Thursday

(98)

Alma and J L Brainerd @ 9 AM.

Fired Straight Curve and 400

Newman working π @ Hub 3985.90 Temp
S $1/16$. Put in 2×30 " Flue pipe with tall
brick plates in top for line S $1/16$ - see 2x
Focus N on random line 90° 1-
I M $1/16$ then $0^\circ 24' 30''$ max R.

and Cut line East 300-600-900
1200 stakes in marsh 1300 L

1350. Tall stake on line random
but $5\frac{1}{2}$ inches S. of line $1/16$ line

Nat'l: To continue this line a few
feet further East would cut thro
2 of N half of green 6" spruce stps

Nat'l: Straight set a hut about
1 ft N. of tall stake but the hut
should be set $5\frac{1}{2}$ inches N of
tall stake or ft in stump

Coak dinner @ Blake Camp

P.M.

$$5315 \text{ into } 25.34 = .004767 = 0'16'$$

West line Sec 24 runs S $0'16''$ W

$$N. Line $0'49'$ Corin = $.99990 \times 2660.24$
 $= 2659.73 + 0.24 = 2659.97$$$

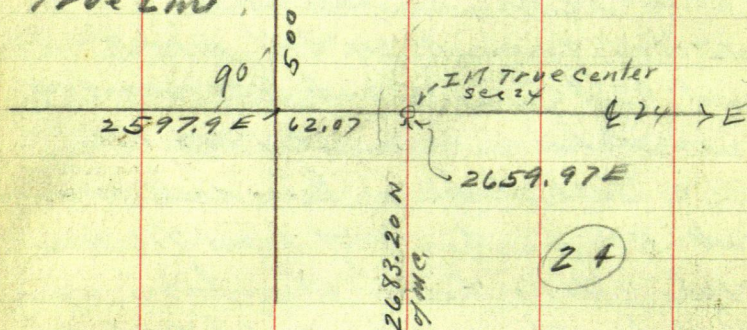
π @ Hub 2597.90 chain E 62.07 down

hill to 2659.97 E

To get N-S of Sec 24 from Hub 2597.9 E
Turn 90° and run 1/2 500 ft. little then E out

$$62.07 + (0^{\circ}16' =) .004767 \times 500 = 2.38 =$$

64.45 to Hub on sand beach T @ 64.45
back sight S on line & and run North
True Line?



$$\text{Tang } 0^{\circ}49' = .01425 \times 1820.2 = 25.935$$

$$2657.27 + 25.93 = 2683.20$$

True center of Sec 24 plus 2683.20 FT
North of MC. Perm Mon Sec 24

also 835.86 East

$$3^{\circ}50' \begin{matrix} \text{Sine} & 0.06685 \\ \text{Cosine} & 0.99776 \end{matrix} \text{ into } 1820.2 = 1824.29$$

$$0^{\circ}49'$$

$$\begin{matrix} \text{Sine} & 0.01425 \\ \text{Cosine} & 0.99991 \end{matrix} \times 1824.29 = 1824.11 \text{ East}$$

$$2659.97 - 1824.11 = 835.86 \text{ E}$$

Hub 2597.90 E is 773.79 E and

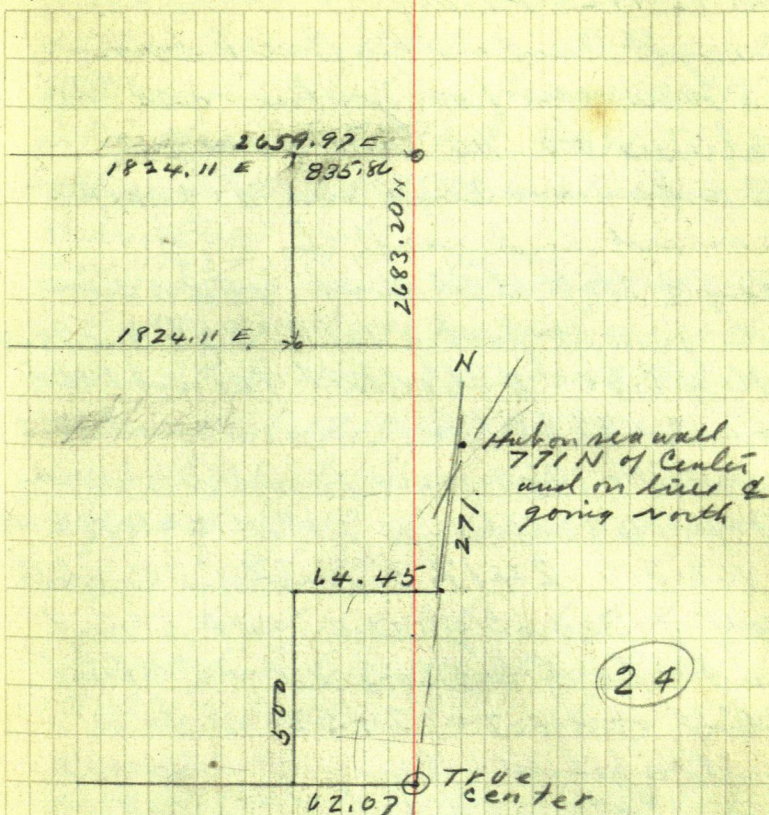
2683.20 N of MC.

(17)

135-29

Telworth

97



Rain some: Leurght and I go
to tall slat @ 1350 E and set hub
5 1/2 inches north to line & of 1/16
going East Home @ 7 PM.

John W. Cline

Oct 12-1923 Friday

Brought Cucco and his Buick brings
Geo Newman from Jenkins and they
continue to 1/16 line of sec 24

East. Alva and I compare
Beamer and assist them we at 10-30

Beg @ Hat 1350 East. 1530 L.V.
low ground-foot of hill 1350 + 298.6
= 1648.60 Hubonhill Thend Land
ground. 1828 Con main road N-S
crossed. 1860 wire fence N-S down
1948.60 stake in field 2248.60 sta
+ 168.7 = 2417.3. nail in E North
half of 3 inch green oak stump
cut close to ground on brink
of hill + 34.7 = 2452. stake in
hollow behind 6 ft edge of stony sea
wall Drive Hub for line MC.

BTS To Hat 2452.00 E = MC

West Shore of Lake Hubert Bet Goat
Lots 4-5- Sec 24-135-29

7" JPNW 13.85 FT To flat spot at base
4" Oak SW 11.70

⊗ spike in oak stump 2417.3 - NE on
post of fence bear N 27°30'E 5.70 N
NW on post of fence N about 64°W about 50 ft
E of post

(19)

Tilsworth

99

To get a point "1072.5 feet North"
 of "South Line of Lot 4" I begin @
 OMC. and extend my line E 0°25' S
 out on the sand 91.70 ft. $T @ 91.70 = 2543.70^{\circ} E$
 back sight West 0°25' N and run

N 6°10' E

sin. $10742 \times 1078.75 = 116.00^{\circ} E ?$
 cos $9942 / \sin 1072.5 = 1078.75 + 0.65 = 1079.4$

N 6°10' E 300-600-900 plate on beach

907.20 Hat $900 + 179.4 = 1079.4$ Hat

Thence West 17.15 ft 1" 6x8x16" C.M.
 at foot of hill set in stone + in top.

9" JPNW 33.50 To flat spot at base

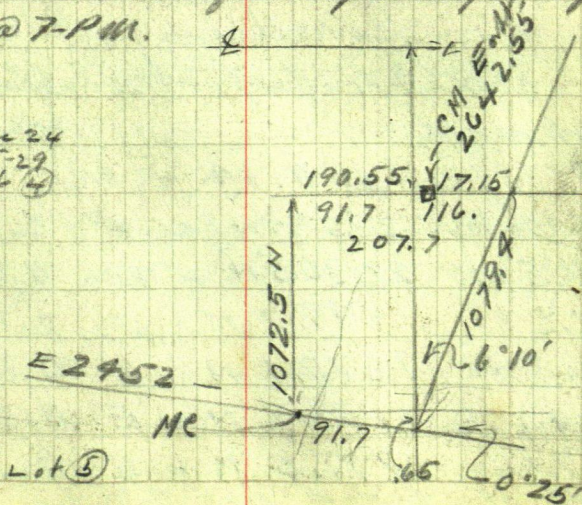
8" JPSW 32.90

set 2x10" N.P. Hat on top of bank

27.80 feet due West of C.M.

C.M. is about 6 ft so of long steps
 Home @ 7-P.M.

See 24
 135-29
 Lot 4



Oct 13-1923 Saturday.

Calden-Cloudy. Reed and I & L. L. find Dwight and Geo working Cutlin
N thro E sec 24. 135-29

Hit out 0.65 of a foot west of $\frac{1}{4}$ Cor
Bey @ apt 0.65 W of $\frac{1}{4}$ Cor bet 13-24 ch
South on random 112 Cor main road E-W
300- 320. 10. S Hub 600. + 57.5 = 657.50 S
Nail in top of fence Post - tall 6' ppsly
788.30 S Hub under liant 900. sth
1390.60 S Hub 14485 - main road
NE-SW. 1500 sth 1509.20 S Hub
Quit for dinner Tiltworth arrives
PM

1800 sth + 117 = 1917 Hub w.c.

+ 771 = 2688. True Center of sec 24
Corrections

= .0002471 of a foot E. for each
foot north

771. N gauge E 0.19

Hub 320.105 = 2367.9 N gauge E 0.59

657.5 S = 2030.5 N " E 0.50

788.3 S = 1899.7 N " E 0.47

1390.6 S = 1297.4 N " E 0.32

1509.2 S = 1178.8 N " E 0.29

1917.0 S = 771.0 N " E 0.19

2688. N gauge E 0.65 to $\frac{1}{4}$ cor

(21)

Tilsworth

101

Trout Hub 1079.4 Bank right S 6° 10' W.
 Transient line of sight True Center of sec
 24 bears N 1° 06' E 274.50 = N

West

From 1079.4 run North 495 ft set hub
 on sand beach then 90° West
 46.15 Ft to Hub at foot of hill for
 SEC on Tilsworth land

TC 495. Still run West 0.25' N
 set Hub on lip of hill ("Parallel with
 South line Lot 4") 33.60 to Hub
 on lip of hill 0.35 of a foot North of
 line line running West 0.25' N
 $33.6 + 230.40 = 264.00$ Hub 15
 ft E of main r.s. road

TC Temp Hub 495 run North 300
 set Hub then West 90° 46.15 ft Hub
 on bank MC bears N 2° 00' E
 250.5 Ft

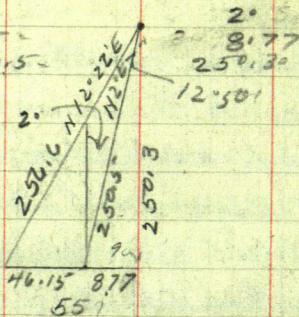
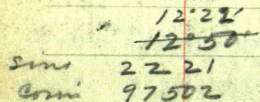
It is 220.70 Ft from E of sec 24
 north to S end of Tilsworth land
 at Temp Hub 495 - and 18 feet from
 E to W E - So to first bldg

1072.5
495.0
1567.5
220.7
1346.8

22

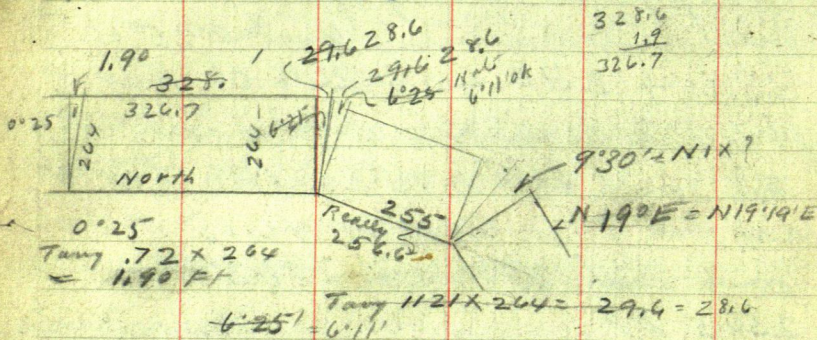
Tilswork

Sin 349 X 250,5
 Cor 99949 X 250,5



$$97502 \text{ into } 250.3 = 256.6 \text{ O/S}$$

Note: Call this 255.



$$300 - 1.40 = 298.1 + 29.6 = 327.7$$

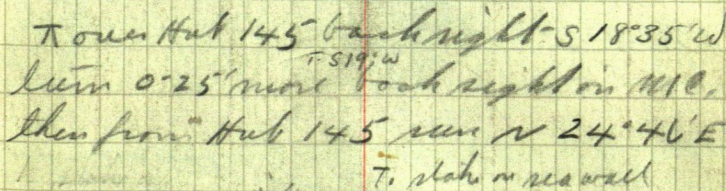
9:30 wong

sin.
Com 98629 - 264 = 267.67 OK.

Bay @ apt on true line S of Im-m-c.
Grove 2 & 2-3-see 24-135-29 on
west bank of Lake Kribert run

$$+ 0.28' = 19^{\circ}03' + 16' = 19^{\circ}19' \text{E} \quad \sim 103$$

Tower M.C. Bank right so on cable
Turn 90° R looking west -- then 7-30°
more to R and run N 80° 30' W
267.67 m H₂O N 24 NE 98 road

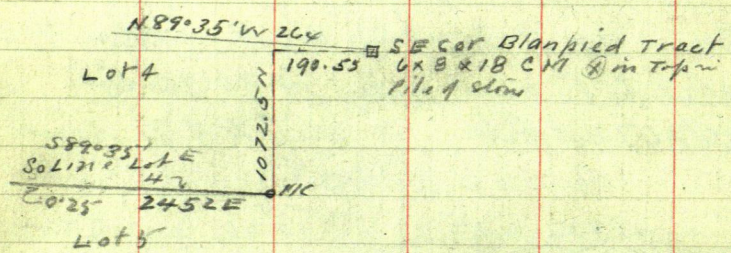


Back right again on hill
lim 90° R then 2° 53' R and
@ Right angles to shore line
4.50 Hub on hill + 109.84

104

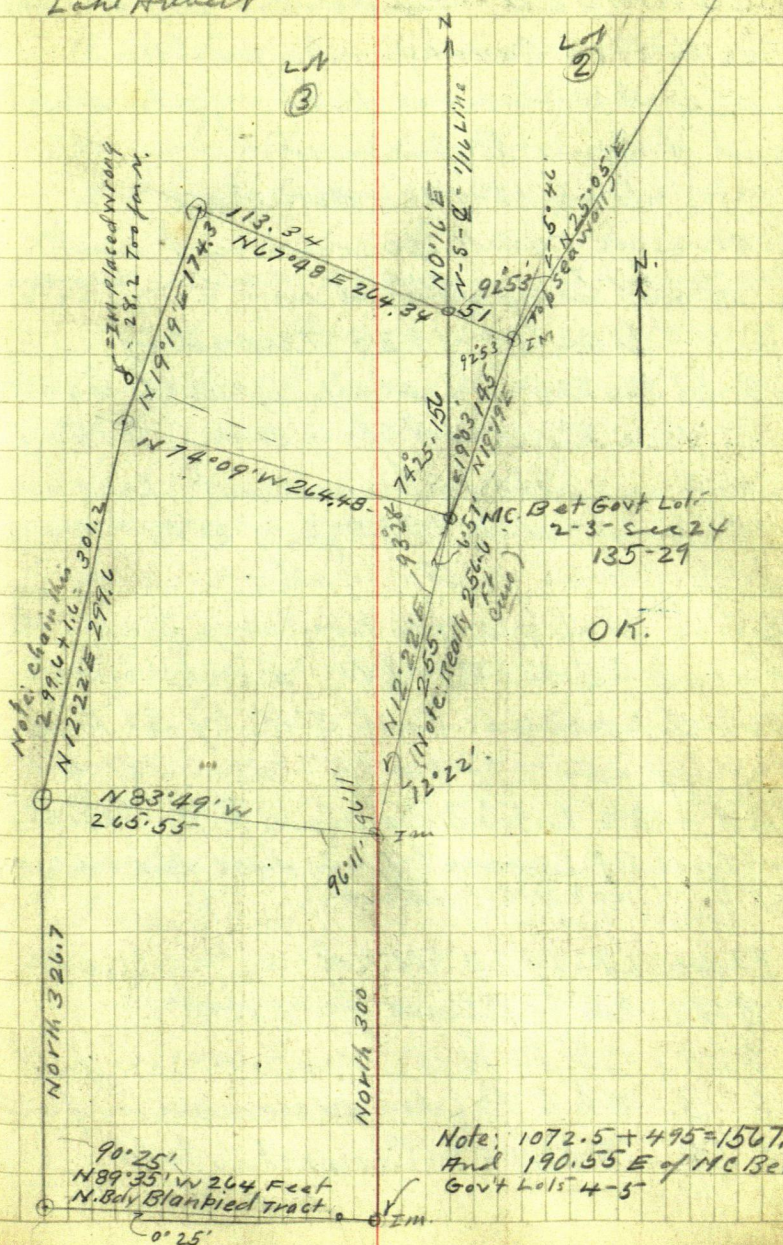
(24)

Oct 15-1923 Monday
Figuring Connections



23

105



Continued--from Page 80

Dec 16-1923 Sunday: We postpone
sunny at Miller Lake - John Davis
and I come to Brainerd

Dec 17-1923 Monday

Garrison Town Board meet and
pay me \$270. in full to date. Davis
and wife staying with us.

Dec 18-1923 Tuesday

Mr and Mrs Davis staying with us
in Brainerd - I pay Davis \$15

Cash in full for amount due
Helen, also 120" pig @ 10¢ =
\$12. Ch in full. also

\$8.16 Al Loe for hauling 2 loads
of wood \$5 and \$3 = \$8. Each load
has 5 courses - each 3' 1/4" by 5' long
 $3 \times 5 = 15 \times 5 = 75 \div 3 = 25 \div 32 = .781$ of a
cord + 2 = 1.562 cords @ \$10. = \$15.62

- \$8 pd Al leaves \$7.62 due Davis
no work today

Dec 19-1923 Wed:

\$40. Ch to Alma for coat.

\$24. Ch to Geo Newman in full

\$3. Ch to Preston Newman in full

\$59. To Kline & Crowell in full

Thorp Clark Lake.

(3)

107

Dec 19-1923 Continued

I buy Red Bus ticket fr Alma \$2.
also get her ck cashed and give her the
\$40. she takes 1-PM bus to Mpls

2-PM. Jahnsson, Reed and I to
Red. at Clark Lake 3-PM Beg @ 2 M.
SW Cor 18-135-28. Cham in E road

North on Range line: 118.5 N. &
main road old RR grade E-W. 151 in line
with fence E-W. 300-600-800-1100. pins
in frozen ground 1320 stake Temp 5-1/16
1400-1700 + 290 = 1990 Spike & RR.
2000-2300-2600- + 48.1 = 2648.10 = 1/4
Cor 1" pipe E wheel back n-s road

Beg @ Spike & RR- Jahn and Reed ck
SE along & RR track about 1650 PC.
2107. Hub 18.5 ft W of & track then
SE along & RR. about 450 EC. 1712.80
Nail see line in E of RR.

Cut brush and work till dark home to
Brainerd for milk. Lose radiator side.

Dec 20-1920, Thurs

Lv about 8 am - Heavy fog. John Reed
and I peg @ pt — pt W of CM @ Cr

17-18-19-20-135-28 Chain

North on my old transit line @

173.10 re-place my old Hub-300 sth

574 Find my old Hub 600 sth

603 = @ 3 rods about N 60° W - S 60°
E and S 80° E. @ 869 find my old Hub
900 stake 1050 match in stump

1200 @ east pt of meadow 50' W run E 25'

1350 stake 10 ft into plowed field at

SW 1500 stake 1575 stake 1620 L

NE Cr plowed field 1660 end Round
meadow 1760 Lv 1875 Eat on lunch

PM Continue North Bet

1885 @ main road NE-SW 1955.5 New

Hub 3 ft N of fence NE-SW 1968.20 my

old hub in field + 31.80 = 2000 stake

2100 end in marsh - lake bed - 2300

2600 stake in marsh 2628.60 stake on line Hub

2900 - 3200 - 3500 - 3800 - 4100 - 4400

4700 - 5000 - 5254.70 Hub in

5255 about N old stake sub W 3/4

5300 stake - 5400 stake + 256.30 =

5656.30 IM - USMC, nr E

⑦

11109

$$660 = 435.60 \text{ US}$$

$$2693 - 1777.38 \text{ US}$$

$$904 = 596.64 \text{ US}$$

$$2821 - 1861.86 \text{ US}$$

US Nalis

18

$$3150 = 2079.00$$

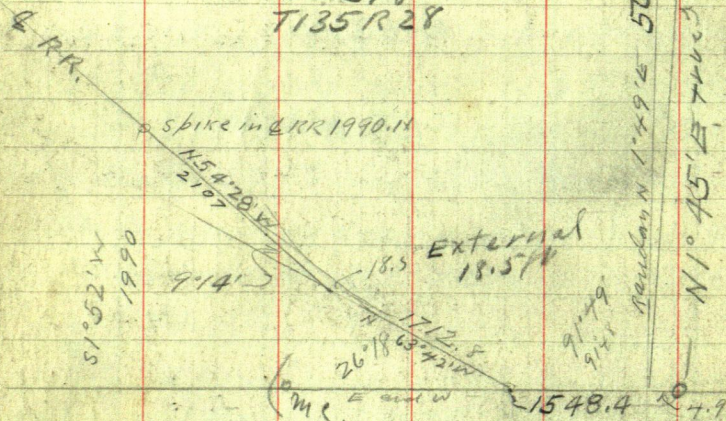
$$3162 = 2086.92 \text{ US}$$

$$1350 = 891.00 \text{ US}$$

Dec 21-1923 Friday

I like John L Davis and Reed Cuno
 9 in my car to Hubert: Eatons
 lunch PM We like angle of
 SE Cor.

Sec 18
 T135 R28



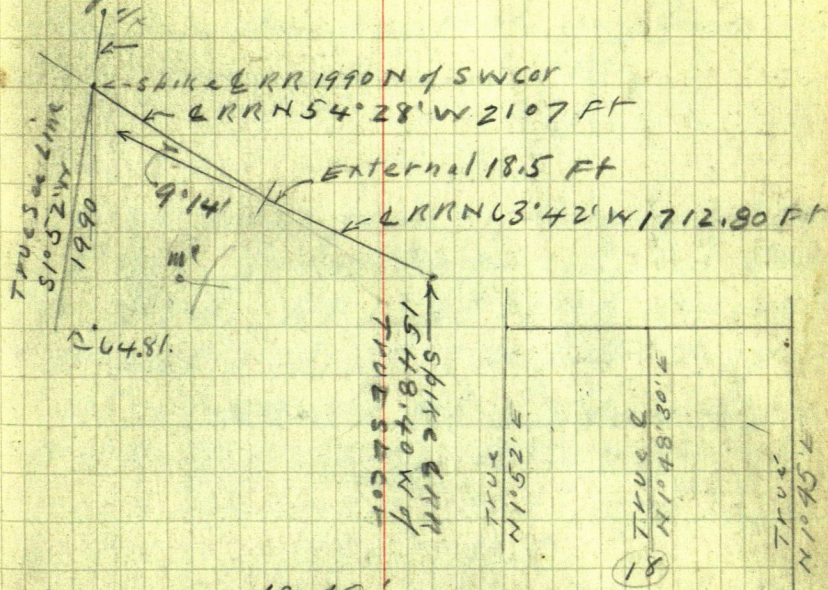
Assuming true sec Line From
 8" CM @ SE Cor - West to MC on W side
 of Lake as E-W The Random on E side
 runs N 1° 49' E

Check Chain

Beq @ CM SE Cor Sec 18-135-28 m
 Went on line line focused on true
 MC on W. side Lake Hubert 1320 ft
 1548.4 spike in RR main track
 RR - 1949.30 Hub on E side Lake
 See Page 80. At 2025 end line
 2640 Hub on line + 1224.2 East
 end Lake Bar Boat Ho 2' E of MC

Dec 22-1923. Saturday

Figuring.



1° 49'

$$\sin 1^\circ 48' \sin 03170$$

$$\cos 111^\circ 99950$$

$$1^\circ 48' \sin 03141$$

$$\cos 111^\circ 99951$$

$$63^\circ 42' \sin 89649 \times 1712.8 = 1535.51 \text{ W}$$

$$\cos 111^\circ 44307 \times 1712.8 = 758.89 \text{ N}$$

$$54^\circ 28' \sin 81378 \times 2107 = 1714.63 \text{ W}$$

$$\cos 111^\circ 58118 \times 2107 = 1224.55 \text{ N}$$

1° 52'

$$\sin 1^\circ 52' \sin 03257 \times 1990 = 64.81 \text{ W or}$$

$$\cos 111^\circ 99947 \times 1990 = 1988.95 \text{ S}$$

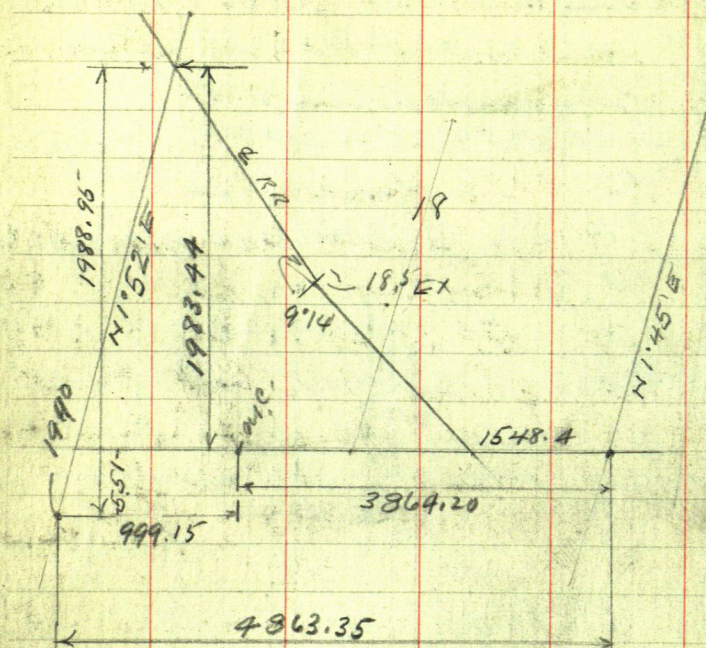
$$1.50 + 4.90 = 6.40 \text{ miles } 5656.3 = 0.001131 = 0^\circ 04'$$

$$758.89 \text{ N} + 1224.55 \text{ N} = 1983.44 \text{ N @ RR X.}$$

$$1714.63 \text{ W} + 1535.51 \text{ W} = 3250.14 \text{ W @ RR X.}$$

$$1548.40 + 3250.14 + 64.81 = 4863.35 \text{ W Sec Cr}$$

Dec 22 - 1923 Could



$4863.35 \text{ in } 5.51 = .00115 = 0^{\circ} 04'$ ^{True Course} SDRYS $89^{\circ} 36' W$

At 4863.35 W the SW Cor Sets South 5.51 Ft

Reed-John and I L. after dinner PM

- at 3 PM. met Gary Heals

Cousin Mr Heals who helps

us cut his East line North bet

7-18-135-28-29 - \$15 to Mr Lewis

Mr Lewis goes home - @ 5 PM with

'Tony' Sam and Mary Harmon

Dec 23-1923 Sunday

All day at home - John L. Douer stays over Sunday with us. Sam and Mary Harns go home in PM.

Dec 24-1923 Monday

Reed stays home - Dinner at home PM. John Douer and I PM at 2-30. Ht 1320 N ch N 4.05 ft and rake in S $\frac{1}{16}$ bet 7-18 135-28-29. set 40 d spikes in cor of E half of road. BTS Vis
7" JPS, about 45E 23.7 To spot of bare
6" JPN, " 45E 20.5

T @ line $\frac{1}{4}$ W side 18-135-28
BS. S. S1°52'W on S.W. Cor turn
E 0°04'N on N 89°56'E on
True Q of sec 18-135-28.

Bring Lela Douer - Spencer home with us.

Dec 25-1923 Christmas Tree

Alma - Reed John and I go
Eat dinner at his place - Bring Mrs
L and Lydia home with us for night.

Dec 26-1923 Wed

John L. Llovin - Reed and I get ready to go to Hubert but stay all day in Beaman and fix radiator at Shuland. \$8.25 ch. to Shuland

Mrs Llovin and Alma wash

Clarence comes for Lida.

Snow hard all night

Llovin should have half line for to-day as we chain out new House for Red State bank

I give my note for \$1100.00.

Red State

Cooled at 10 - still snowing

We are going to Garrison Tap tomorrow

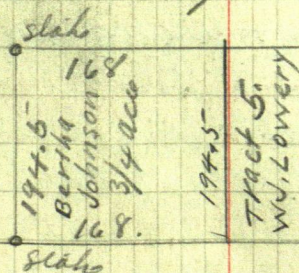
Dec 27-1923 Thurs

Snowed 6" last night. Only big snow so far. Llovin and I will go for Garrison Tap.

May 1-1924

Copy: Lease "Anne A Thorp To
Bertha Johnson Stone Auburn Neb
Aug 1-1913" Being tract (6) Thorp's
subdivision of Lot 5 Sec 18-135-28
Beg @ NW cor of Tract 5 in said
Lot 5. here let leased to W. J. Lowrie
thence S. along W. line of said Lowrie's
leasehold 194.5 ft to SW cor of said
Tract 5; thence directly West 168. ft to
slake; thence directly N. parallel with
W. line 194.5 ft to slake; thence E. 168
ft to place of beg = $\frac{3}{4}$ acre - 199 years
\$50 down & 25. to be paid later

Recorded Aug 30-1913 Book "O"
Misc Page 42. AF Trommald Regd
Deeds Note Mrs WJ Louise Windom
Whinn holds original contract



Note: Copied from contract held by Mrs
Lowrie.

John W. Curo

① Lincoln Camp

July 29-1924 Tuesday

This is the day I was to be back to survey or finish survey of Blake Camp. Rains till 10 am. when Jack Lawrence and I left his place with my lunch which we eat @ 1-30 work till 5 PM when rain drives us home to Jenkins.

Note: I am to survey Blake Camp previously arranged for @ \$75. and \$25 for any additional work.

Note: This joins the Tilsworth land and records previously captioned as 67. Deeds Pg 71. Aug 5-1920

Armed Thorp - Unmarried to D.R

Blotyped \$1038. A part of Lots 3-4 Sec 24-135-29 bounded by Beg @ Corn Mon 1072.5 ft N of So line of Lot 4 and on W. shore of Hubert Lk. Then West parallel with So line Lot 4 - 264 ft 1/2 cm. Then N parallel with Lake 495 ft 1/2 cm. Then E. parallel with So line Lot 4 to W. shore of lake then S along W. shore 495 ft 1/2 place of beg = 3 acres more or less

Jack and I dig up CM @ SE Corn which checks with Tilsworth's land. Mr Cote is with us

John W. Cote

117

Rein copy vs value of pictures

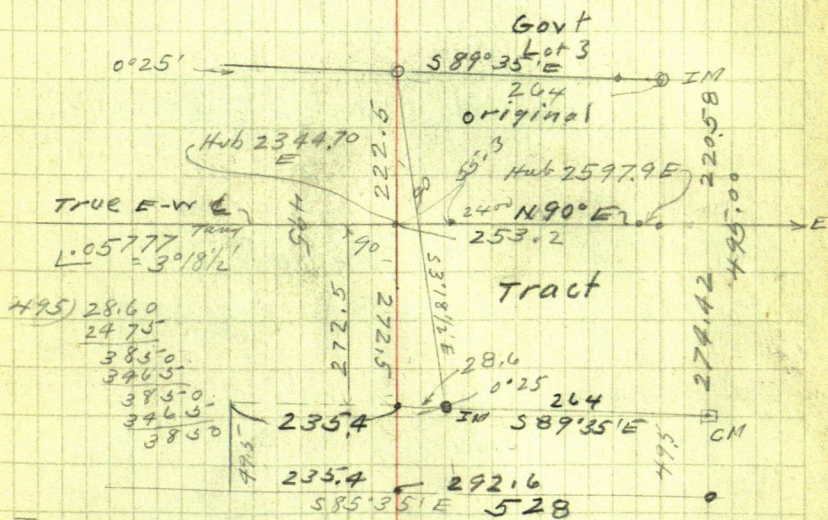
On McConell survey

Aug 2-1924 Sat T. Bedford IN MS

Aug 3-1924 - 3 cars to St. Paul Park & beach

Aug 4-1924 Monday

Alma Reid & J L Jenkins @ noon
at Luricalis camp. I copy notes till 4-30
then check my old and new lines - O.K.



Tary
 $.05777 \times 222.5 = 12.85$

$$\text{Tang } 0^{\circ}25' = .00727 \times 264 = 1.92$$

Addresses

R.F.B Cote Camp Lincoln

Hubert P.O. Minn

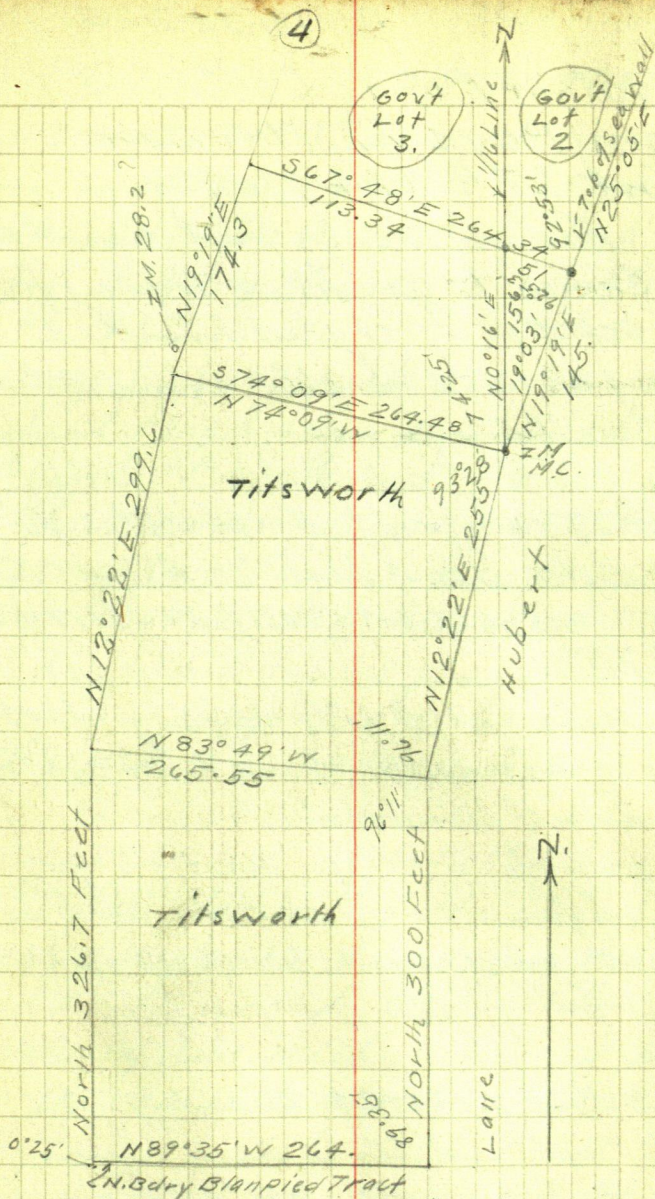
D.R Blanpied

August

1924

Mr Cali pays me \$75 in full

④



Watkin Pugh - Continued
From Page 77 This Book

Oct 27th 1924 Monday

Alden Jacobs and his Ford car comes to Jenkins (3 miles) for me @ 10-AM. I give him \$1.50 to buy gas and he sits around till noon waiting for me

I get Transcript Field notes from Mike Holm Sec of Alati (WATER CLK)
Secs 4-5-6-7-8-9- T131 R30 Morrison Co. \$7.50

Jacobs and I take Maytag to Mr. basement. I send \$20. to Paul ELC in full for work.

To Jenkins 3-PM go via Pillager to Pugh farm at 4-50 PM. with Johnnie Pugh drive to 1/4 on the mile 5-131-30. Supper and over nit.

Oct 28-1924 Tuesday

Wat Pugh and his 3 sons - John - David and Lloyd with Morgan Pugh and his team with Alden Jacobs and I drive ETC to SECH Sec 5

Oct 28-1924

45-8-9-131-30 US Nails call for
 Aspen 6 N 24. $\frac{3}{4}$ E 10 LKs- 6.60 Ft
 Wh Pine 8 N 78. $\frac{1}{2}$ W 10. " - 6.60 "
 Aspen 9 S 30 $\frac{1}{2}$ W 25. " - 16.50 "
 " 7.572' E 21. " - 13.86 "

We find a very old 3x3x30" stake which Pugh says sets at the pt Clyde Prichard pointed out to him 5 or 6 years ago. Old US BTS. appear to be gone except for roots but the only old tree near is an 8" dry black burned pine stub with a very old spot on the west side in up and an "x" mark very old in the spot indicating that the corner is near: this stub has blown down but the heart of the stump bears N 68° E 10. ft. Co Surveyor Peterson evidently used this stake in his survey two weeks ago - as the top of the old stake shows new sledge hammer marks and it has been very carefully covered up with leaves and brush. or there are no roads - fences or any other

signs of a marker here. I accept
this as the true corner to set

4-5-8-9-131-30. At 9' or I

mark New BTS Vig;

6" Pap N 37° E 30.10 - 8" Pap 7 N 74° W 9.30 Feet

4" Pap 51° W 12.35 - 6" Pap 5 S 65° E 18.53 "

① True 10' hill SE SW 132 N
set with a good big compass 9' or and

sets 51 ft. so of east end of a new
picket line just run by Peterson. We run
North 9' or @ 51 ft. set 2x12" hub ch

West - PB Ch along Peterson's crooked
brush picket line. 300 - stake 365 Top
small hill 600 - 900 foot big hill 1060 Top E
brink 1200 - 1500 - 1800 - 2100 stake - 2300 E edge
of ridge of small lake - now almost
dried up - 2340 Peterson's triangul-
ation stake in marsh 2400 stake 24
ft east of water edge

2620.50²⁶⁶⁷ West tall birch stake
set by Peterson for True 1/4 Cor

But 5-8-131-30 - set 25 W of water
in marsh. ²⁶⁶⁷ 2620.50 + 44.22

= 2664.72 Old 2 1/2 x 24" stake in
pile of stone on West bank of small
lake - US Wit corner US Water call for

Bk Oak 8 S 52° W 30 LKS = 19.80 FT
" " 8 N 31° W 20 " = 13.20 " OK. not

Nali; The old Wit. Cor. Stake has been

④

Watkin Pugh

123

1924	Time Sheet Working	For Watkin Pugh
Oct	25 ^{SUN} 26 27 28 29 30	
John W Curo	0 ¹⁰⁰ / ₁₂ 1	
Exp	8 ⁸ / ₂₀ 150 -	
Alden Jacobs	0 ³ / ₄ 1	
Car	0 1 -	
Watkin Pugh	0 - 1	
John	0 - 1	
David	0 - 1	
Lloyd	0 - 1	
Morgan Pugh	0 - 1	
" Team	0 - 1	

124 Oct 28-1924 could

very carefully covered by Peterson and
his survey party - sticks - stones hay +
moss which we dig off and uncover old
stake which I believe is correct as it
sets on West edge of lake (now dried up)

Old US BTS gone but roots may be here

Old US Wit Cor 67 Lks (= 44.22 Ft)

West of $\frac{1}{4}$ bet 5-8-131-30 New BTS

π over old Wit stake; Focus East on

Peterson's $\frac{1}{4}$ Cor. Vol reads 10°15' New BTS

Red Oak 6" N 45°40' W 34.80 FT - 10°15' Nali xxx

W.O. Stp 12582W 19.40 FT - Nali xxx

xx This old stump may be the old US BT.

?? - - it shows marks of old spot at
base and I will bet 'millions' that this
is the old US stp ??

Anyhow - we call this wit $\frac{1}{4}$ O.K.

From this Wit Cor we chain 44.22 Ft
(67 Lks US Ch) East to Peterson's $\frac{1}{4}$ Cor
which I accept as O.K.

π @ $\frac{1}{4}$ Cor bet 5-8-131-30 ^{via 10°15'} New BTS
W. Oak 14" N 45°50' W 63.30 FT
R " 2 1/2 S 59°35' W 74.90 FT 10°15' W

Note: SW BT @ US Wit Cor. Checks 0.40 short
for ch with old stake but old spot at base
is grown over 0.40 about making it O.K.

I chop out spot - figures not plain ??

O.K. except for course. cut line or quit for mile
Jacobson & others to Randel & back

Jabu W. Carr

(5)

$$\begin{array}{r} 62 \\ 40 \overline{) 240} \\ 20 \\ \hline 60 \end{array}$$

125-

Oct 29-1924 Wed

Fog till 9-15 am. Same crew

Reg @ $\frac{1}{4}$ on So side Sec 5-131-30 near
 North- Random 2 sec 5 following
 Peterson's new - picket line Gurley
 haunt - double center hub Jacob fly
 Rough chain - over small brush

North on 2 Sec 5-131-30 at one
 mile N. on road 6° on hit out one half
 inch East of center of my East $\frac{1}{4}$ Temp
 rim cor from which stone $\frac{1}{4}$ cor bears
 S87°01'W 88.79 ft

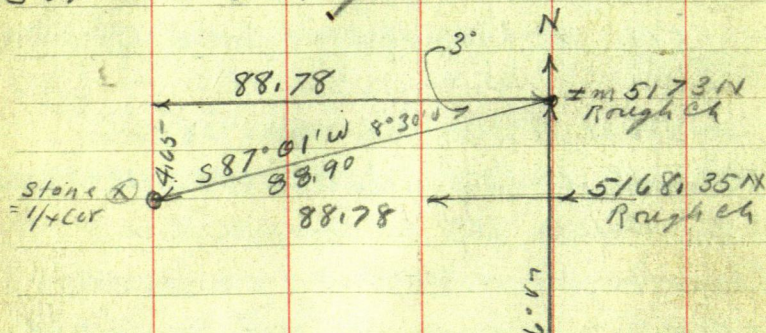
Stone mixed ⊕ Temp $\frac{1}{4}$ N side 5-
 131-30 New BTS V_g 8'30' From line line E
 W. Oak 5N 42°52'E 57.10
 W. Birch 4N 36°52'W 48.07
 8" Poplar S 35°W 47.90
 6" Birch S 60°24'E 75.95

9" W. N. of
 and 6" N. of
 off corner
 3 ft line

PM. we Reg @ $\frac{1}{4}$ Cor S. Side 5-131-30 ch
 North on 2, 125 L₁ mark NE-SW 270 road
 E-W-300 stake 326 Hut 600-688 Hut
 775 enter round meadow 900-1000 L₁
 1056 Hut 1200 sth SE cor meadow 1330
 cross wire fence 48 ft W of SE cor 1420
 L₁ NE cor meadow 1500 sth So side of
 field 1552 Hut 1775 cross in fence

33 ft East 1800 stake 1938 fence NW-
 SE 2075 L₁ field 2090 in line with
 old fence West 2100 sth 2200 ent
 meadow 2400 stake on so side West
 pt of small Island in meadow
 2615 L₁ 2631 NE CN post of fence
 2700- 2729 Hut 2910 Hut 3000+
 3164 Hut 3300- 3400 narrower of two
 meadows 3550 L₁ meadow 3600 sth
 3814 Hut 3900- 4139 Hut 4200-
 4500- 4609 Hut 12 ft N + 4 ft E of
 4x4 new stake set by Peterson
 4760 SE CN meadow 4800 sth 4990
 L₁-sup NE CN 5100 sth 5173 IM
 Temp $\frac{1}{4}$ set by me. 5.7 E of
 Peterson IM.

5173 N The Stone \oplus $\frac{1}{4}$ bear
 S87°01'W 88.90 ft



⑦

Pugh

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Figuring Corrections

$$3^{\circ} \text{ side } 0.523 \times 88.7 = 4.65$$

$$3^{\circ} \text{ cor } 99.86 \times 88.7 = 88.78$$

$$5168 \text{ into } 88.78 = .0171788 =$$

$$5168 \text{ N. gas } W \quad 88.78 \text{ OK}$$

$$4609 \quad " \quad " \quad W \quad 79.19 \text{ OK } 1\frac{1}{2} \times 32^{\circ} \text{ Im}$$

$$4139 \quad " \quad " \quad " \quad 71.12 \text{ OK } \text{Hub + Tail}$$

$$3814 \quad " \quad " \quad " \quad 65.52 \text{ OK } \text{Hub + Tail}$$

$$3164 \quad " \quad " \quad " \quad 54.35 \text{ OK } \text{Hub + Tail}$$

$$2910 \quad " \quad " \quad " \quad 49.99 \text{ OK } 50^{\circ}$$

$$2729 \quad " \quad " \quad " \quad 46.90 \text{ OK}$$

$$1552 \quad " \quad " \quad " \quad 26.66 \text{ OK } 2\frac{1}{2} \times 40^{\circ} \text{ Im}$$

$$1056 \quad " \quad " \quad " \quad 18.14 \text{ OK } \checkmark$$

$$688 \quad " \quad " \quad " \quad 11.82 \text{ OK } \checkmark$$

$$326 \quad " \quad " \quad " \quad 5.60 \text{ OK } \checkmark$$

128

⑧

131-30

Oct 30 - 1924 Thursday

Aug 25 925
20

Figures in count

5-131-30

32

40000

2640.05

2555.20

157125

1890

1247.40

1261.26

1911.05

1227.5

1235.12

1932

221 2605

5168.35

52.91

13208

00.5

02.13.11.20

4422.67

3950 LKs

-2607.00

0.1

Book 8

47

4017 LKs

3950

2640.01

2555.2

84.8

22.5

2.2

16.5

5



Note Below

Figuring

⑨

Pugh

129

INDEX

Stone + 15x12x5 Pg 62 Aug 22-1923

^{plain}
2650

^{plain}
2650

10576-

10560 vs

16. ft over length

8

4

2555.2

8020.80

2650 Plain

Page 587-76 - Aug 6 to 30 - 1923

Pg 1207-131 Oct 27 to 30 1924

2630

42 21

44.22'

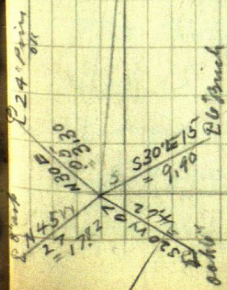
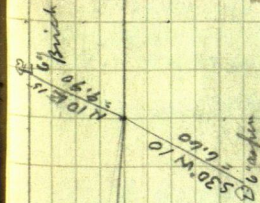
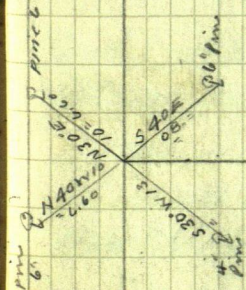
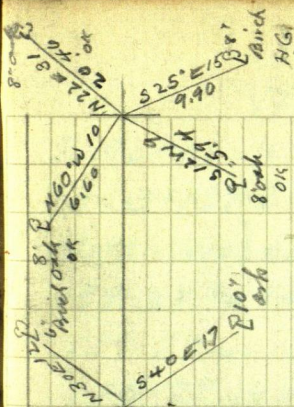
42 24

1.98

Note Above figures made in court room

Aug 25-26-27-1925

ccw



132

(12)

①

Oct

133

Wabedo Cemetery

2. Acres - 16 R. N. S. By 20 R. S. E. - W. in NW Cor
Sec 3 - 139-28 (Now ⁱⁿ Blind Lake Twp)

Note: Wabedo Twp was once 2 Twp by
139-28 and 140-28. Now divided

139-28 is Blind Lake Twp

140-28 is Wabedo Twp

October - 1926 Jim Shepard writes for
me to come look after a survey

Oct 8 - 1926 Friday

Alma - Reed & I in my Ford to Jackson
4 PM. Drive to Geo Rosco's place.
then see Mr. Saul (Gertie) Whitted
then to Jim Shepard res. - see also John
Douglas at Wabedo sch ho

I offer to plat cemetery @ \$50 plat for
all. Eng work and plat. They are to furnish
crew and board me.

Oct 9 - 1926 Sat

The "Board" met and accepting offer
Oct 10 1926 Shepard writes for me to
come.

Oct 13 - 1926 I write Shepard that I am
coming Friday

October 15-1926 Friday

Alma-Reed and I L^v Jenkins @ 8-30
L^v Mary Curo at Bowman Sch Ho

At Sim Shepard's 10-am. L^v Alma
Reed and I drive to cemetery meet
Wm "Bill" and Leslie Shepard (Sim is away)
also Jake Beckman and James McCornick.
much all help - make stakes re

We drive to Saul Whitted re copy deed

Warranty Deed N^o 1058

Dated: March 24-1913 Immigration Land
Co. Little Falls Minn To Wabedo Cemetery
Association of Wabedo Coss Co Minn \$20.

Can Co - "Cor @ NW Cor Sec 3-139-28

Thurs South 16 rods; East 20 rods; N 1/4 R.
West 20 rods = 2. acres for Cemetery site
Chas A. Weyerhaeuser Pres

R Drew Musser Sec B J Hinkel?
Reg N^o 33506 Recorded May 9-1913 - 9 am
Book 8 Pg 395 under "

Nat: Officers Oct 15-1926 up
Saul Whitted Sec & Treas
John Dauber Trustee 3 years
James M^c Cormick " 2 "
Sim Shepard " 1 " Pres?
elected July 9-1926

Wabedo-Cemetery (In Shind Lane & Twp)

Transfer Sheet

Oct 1926

15 16 17 18 23 24 25 26

Contract 822. * Board
John W. Curoch

Auto

James McCormick

Wm Shepard

Leslie Shepard

Jake Beckman

Henry Van Effren

Jim Shepard

one
prints

capit
1.0 1

Oct 15-1926 Could

Crew make stakes. Bring their own lunch and cut line all around in PM we work till dark & later

Cor. to 3-4-33-34- 139-140-28

8x8x36" Cement post set by me from old US BTS "years ago" go half a mile E. N. to 1/4 Cor on N side 3-139-28 where US valis call for "d." ^{as per 10 N 31 E 20} 75 50 E 11

We do not find it but use general E of graded E & W road. Drive to 1/4 Cor bet 3-4

139-28 where US valis say Q to 10 @ 6.

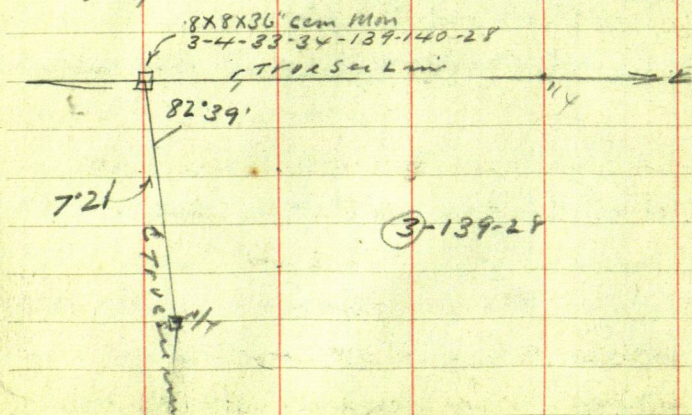
WP 6550 W 28 = 18.48 OK

JP 6560 = 10 = 6.60 - 2m

We find 8x8x36" Cem

Mon in E & S road set 15 years ago by me from old US BTS. Place tall flag and produce line N to NW Cor 3- Town NW Cor Sec 3

SE angle of line lines read 82°39'



Oct 15-1926 cont'd

③ Wabedo
Cem

137

From NW Cor sec 3-139-28 run

East on line line on & road @ 33. Hut 83 Hut
@ 179.2 Hut in & road in line with west edge
of Cem fence S $1^{\circ}50'E$ 37.1 ft to W. edge of 8"
post NW Cor @ 330 E set hut for NE Cor of gds
in & E-W road. Turn 330 focus E on line line
and run S $7^{\circ}21'E$ along E Side of gds @ 33.
Hut for NE Cor allowing 33 ft for covered Rd W.
@ 264. Hut for NE Cor Cem gds and drive
a line of huts & ticks to mark E Side set
3 x 20" cedar huts. Turn Hut 330 NE Cor
Cem fence bears S $13^{\circ}30'W$ 38.1 ft E post
Run West 49. ft and set Hut in & road.

Turn Hut 49 Take position of graves run
S $0^{\circ}08'W$ to small hut set in front of each grave
@ 36.8 cross wire fence. @ 65.3 Hut East Whittled
2 ft L. grow 8 ft long; @ 69. Geo Whittled 2' L
8' long; 78.4 Oak hut SW Cor Lat

Hab: Lots 16 N-S x 24 E-W. 3 ft alley ?

@ 87.7 Effie Shepard 2.6 L 7 ft grave
@ 92.8 Warren Shepard 2' L. 3 ft long
@ 97.5 Child Jim Shepard 2' L - 2.5 long
@ 100 " " " 2' L 4' "
@ 103.5 " " " 2.5 L - 3' "
@ 120. Elmer Wright 1.5 L - 7' "
@ 129.4 Child Henry Van Giffen 3' L 3' long

138

⑥

139-28

act 15-1926 contd

@ 133.8 Child H Vangiffen 3'L - 3' Long

@ 145.3 Child Emery Fick 4'L 2.5 Long

@ 157.3 Wm Dudgeon 2'L 8' Long ^{small grave is} EXTEND. GRAVES 15 ft

@ 176.7 Phil Wolford Baby 2'L 2.5 long

@ 196.8 Wm Baxter 0.8 L - 8' Long (last grave)

@ 208.6 old Hat SW cor of grave

X still over Hat 49 - Hat 8.6 wide

West side point S 49° W 56.0

East " " S 42° 20' W 50.8

Too dark to work later Alma Reed & I
over mile with Jim Shepard Nats: we bring
our own grub and blankets. Jim Shepard
is working for Ike Walker at Hockmuck

October 16-1926 Saturday

I work all am on plat - Alma & I eat
dinner with Bill Shepard and his dad
Tracy Shepard

PM

Wm Shepard & my car go to cem and
Ledis Shepard comes to help us at 3: PM

X over Hat 264 = SE cor of cem in
West on line to body @ 26.2 cross wire
fence 34. N of SE cor: @ 29.4 Hat
@ 153.9 Hat @ 176.2 cross wire fence

Oct 16-1926 cont'd

Wobedo
Cem

139

44 ft N of SW Cor: @ 233.5 pig: @ 240 West
Brink of hill: @ 245 Hub: @ 297. Hub for SW
Cor of Cem gds 33 ft E of sec line - & Road
R & W. = Hub 297 = foot of hill = edge of Swamp
From SW Cor Swamp runs North 50 ft
then N 20° E 50 ft: Then Hub 233.5 Brink
of hill lies N 17° E 100 ft -- then to NW Cor of
fence. Then Hub 83 E of Cem Mon NW Cor
foot of hill lies S. 33 ft Foot of hill S. 18° E
100 ft Foot of hill South 100: Swamps 16° W
33: Swamp South 110 ft: Foot of Hill 20' L
Quit late: still with Jim Shepard.
Walker brings Jim home for over Sunday

Oct 17-1926 Sunday

Sleet and rain all go hunting Walker
comes for Jim - Alma - Reed & I go home
before supper -- Take Tracy Shepard Jr
back to school at Pine River - home late
to Jenkins

Mr & Mrs Carl Olson call on us. at Jenkins

Oct 18-1926 Monday

Is sunny all day for Carl Olson - for dinner with
us with Alma Olson his wife Mike Schulze
helps us in PM I pay Mike \$10. Rec \$16 from Olson

John W. Cress

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8

Oct 19-1926 Tues-

Earl Schultze helps me all day on woodshed. Snow all PM.

Oct 20-1926 Wed.

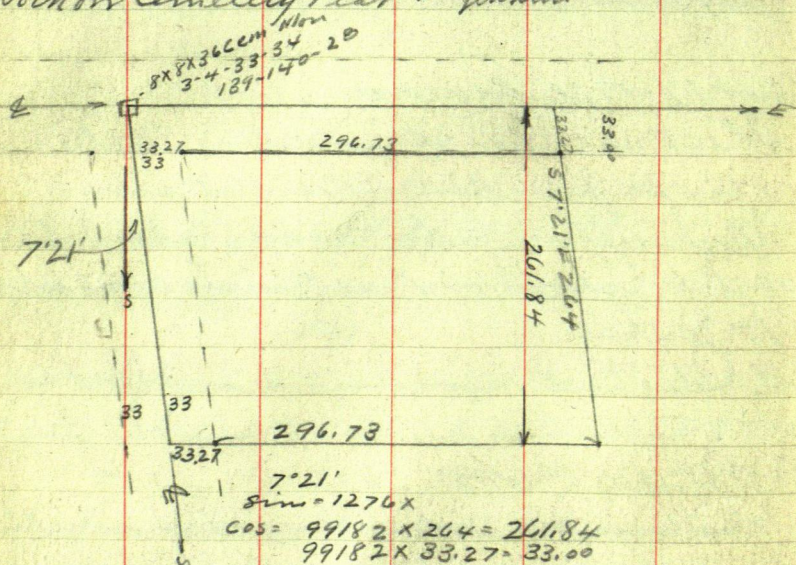
All go hunting at Jenkins

Oct 21-1926 Thurs.

Work all day on Cem plat. Annie Klinck for supper and over nite

Oct 22-1926 Friday

Work on Cemetery Plat at Jenkins



Board Sheet Wabedo Cemetery

October 1926

SUN 17 18

23^{SUN} 24 25 26

Withlin Shepard

D	B	D	B
S	L	S	L
D	B	D	B
S	L	S	L
D	B	D	B
S	L	S	L

B	D	B
S	L	S

= 11 meals @ 35¢ = \$3.85

John W. Coro

Alma Coro

Red Coro

With Willie Shepard

D

D

= 3 meals @ 35¢

1.05

John W. Coro

Alma Coro

D

Notes: as we took lots of lunch
and over our bedding there was
nothing to be paid for Alma
and Reed.

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(10)

Oct 23-1926 Sat

Alma & Reed stay home in Jenkins. I take my camp cat and blankets (no lunch) drive to Waldo. as Jim Shepard is hunting I take dinner with Bill Shepard and as I can get no crew to help on cemetery we look over plot - plan same. then Jim^S. Tracy Shepard Jr. Bill Shepard and my car. With Howard & Tracy Sr on horses hunt walrus in PM on fresh snow. Saffer and oversite with Jim no game

Oct 24-1926 Sunday

I can get no crew. Tracy Sr. I and Jim hunt walrus on fresh snow no game. Still with Jim. I eat dinner with Bill Shepard

Oct 25-1926 Monday

Jim Shepard. James McCormick. Henry Van Effer and I work like hell all day and finish staking cemetery as far west as the west row of grave stakes along W side of Main Street N-S - including also all cemetery corner and 7- I m s - 2 x 30" as shown by plot. Jim Shepard signs plot

Oct 25-1926

(11)

Wabedo Cern

143

as Pres. James M. Connick signs as
Trustee. Saul Whitted signs as Sec
and all three OK. my bill for \$50.

I L. before supper and drive to
Fick farm where Mrs
Fick gives me \$50. Ch in full on

Oct 26-1926

Check up plot and send same to
Electric Blue Print Co 355 Union
St St Paul for 12 blueprints

Oct 29-1926

Mail: copy of Board sheet to Jim
Shepard Pine River - c. Wabedo stage
see letter

① 139-29 Cor C.

April 24-1937

Clifton Cruckow Survey
 SENW, NESW 35-139-29
 KRUCKOW calls on me at Jenkins

April 27-1937 Tuesday

Reed and I with our lunch and
 V. 8, LV Jenkins 9 AM. 9-30 at
 Pontil Alori. Cliffs wife telephones
 9-45 Cliff and his brother
 Morris Kruckow follow us in their
 car to Al. Reso res on NW NW
 35-139-29. Al shows us I.M.
 2x48 Capped Galy I.M. Set by
 me 20 years ago @ Cor

26-27-34-35-139-29

Cor Set 20 years ago by proportion from
 old US BTS New ties

US Notes: Torn 15 N 39° E 23 = 15.18 FT

" 10 S 56° E 34 = 22.44 "

W. Birch 10 N 63° W 17 = 11.22

" 10 S 29° W 40 = 26.40

Now: Old B.T. Stamp N 37° 15' E 15.18 O.K.

" " " S 51° 20' E 22.75

We mark New BTS Vizi

Apr 27-37 cont'd (2)

N.P. 15 N 67° 40' W 62.25 FT) To spot at
 Spruce 14 N 65° 25' E 29.30 } bare and
 W. Birch 8° S 15° 15' W 15.35 } spot 3' up
 ✓ 7° 45'

Set with H & B T. 300' New Chicago Steel
 Tape P.B. Ch. Read + I perfect! Rv

South over my old line Pg 19-

But 34-35-139-29 - P.B. Ch. dbl Cen Hub

At Kero helps Out. 300 pin 376.0 Hub

R.R. Spike in P 10 East 3.70!

JP 9 N. about 25° W 15.70 ^{To spots above}

429. & old road E-W 676 pin: Lunch

P.M. 676 + 5.45 = 681.45 Hub R.R. Spike

JP 12 East 2.50

JP 8 S about 10° W 17.83.

976 pin: 1276 - 115 = 1161. Hub

R.R. Spike: Birch 7° East 2.90

JP 9 S about 15° W 14.99

1576. pin: 1276 + 44. = 1320 Hub R.R. Spike ^{no top}

Stake 1576 - 1444 Hub R.R. Spike

JP 10 West 3.02! JP 11 S. 66° 5' E 8.35

1876 Stake 2176 - 2476 Stake - 138.15 =

2337.85 Hub ^{van reads} no lies 2476 + 7.15

2476 + 164 = 2640 Hub R.R. Spike

JP 10 N 31° 45' W 12.56 } To Spots
 ✓ 7° 15'

JP 11 N 83° 20' E 10.91

(3) April 27-1937 Contd

We do not take time to look up my alid
Notes on Page 21-22 This took

Note: as we do not know I have
theresties to $\frac{1}{4}$ Red 34-35-139-29 we
walk 80 Rods N. π over 13205 Run
90° to our random East - Rough
turn No reading glass

300 pin 554.4 Hut $1\frac{1}{2} \times 18$ " wood
600- 900- 940.40 " " " "

1200-1320 wood Hut 2×36 " oak

π over 1320 E Turn 90° to give
them a fresh line S x E

Quit @ 6 PM. - Rough 1320 ft
Survey I explain that this is
only temporary re.

Clifton Kruckow gives me a ch
\$10. in full. Reed and I home to
Supper at Jenkins with Mattie

April 28-37 I write up these notes

John W. C.

148

Sec. 15-139-29

1013

92

7105

Gov't Lot 2

brought from page 160 Book 271

West $\frac{1}{16}$ line runs $S 0^{\circ} 47' E$ from N line Sec. run $S. 0^{\circ} 47' E$ on a
92 foot offset E of W $\frac{1}{16}$ lineat hub 1284.1 BS $N 0^{\circ} 47' W$ and run
 $S 89^{\circ} 32' W$ parallel to N line of Gov't Lot 2
at 1378.6 hub + 102.9 = 1481.5 hubs on
92 ft East offsetTower 1481.5 BS $N 0^{\circ} 47' W$ and run
 $S 89^{\circ} 32' W$ 92 ft set 60d spike hub
on W $\frac{1}{16}$ line about 30 ft from water
of Lake No 1T still at hub 1481.5 on offset line
run shore line of Lake No 1Move T to hub 1284.1 BS $S 0^{\circ} 47' E$
and run $N 54^{\circ} 26' E$ 803.7Tower 803.7 BS $S 54^{\circ} 26' W$ run
 $N 69^{\circ} 50' E$ 209.8 to IMTower 209.8 IM to IM on shore
bears $S 9^{\circ} 51' E$ Book 271 page 145
gives distance as 194.5 and Course
as $S 9^{\circ} 41' E$

Leonard E. Jensen, Jr.

Marilyn J Jensen

Husband & Wife

Tuesday Oct 2nd 1962

Bob - Jerry - & I to Lake No 1

Tower hub 1284.1 on 92 ft offset
E of line

$$89^{\circ}32' = 0^{\circ}28'$$

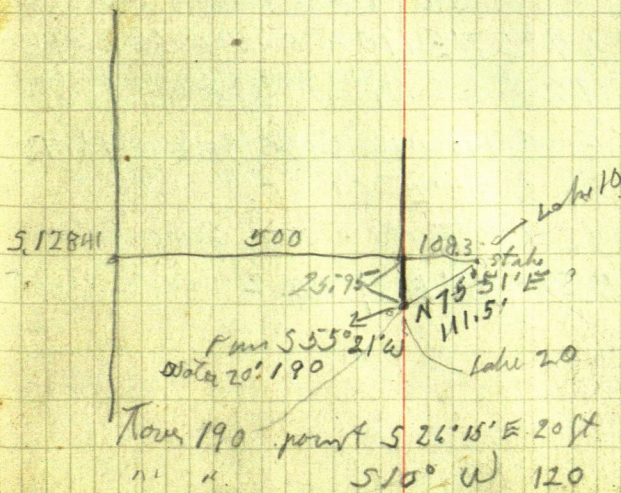
Sine 00814

$$\text{Cosine} - 99997 \times 92 = 91.996 \text{ on } 92 \text{ ft}$$

Var at 00 into South on offset
line turn 90° and run E

$$92 + 8 = 100 + 100 + 100 = 308 + 100 + 100 + 100 = 608$$

Took spike 500' E of W line @ 90°
the stake at SW cor of track sold
bears R or S $0^{\circ}13' = 108.3$



π still over 190 run S $45^{\circ}52'W$
101.85

Over 101.85 BS N $45^{\circ}52'E$ 76 ft
S $31^{\circ}20'E$ 70

S $25^{\circ}W$ 30 ft

N $87^{\circ}41'W$

170.7 f. apik in offset

line

π back over white stake by house

BS S $75^{\circ}51'W$ - stake run

S $57^{\circ}13'E$ 40 ft

S $77^{\circ}15'E$ 85

The white stake at SE cor of House tract
sets N $84^{\circ}12'E$ 100 \pm in 103.25
water 25 ft ahead,

π still over SW cor white stake
run N $69^{\circ}27'E$ 110 - S $45^{\circ}E$ 30 to water

Over 110 BS S $69^{\circ}27'W$ run

N $60^{\circ}05'E$ @ 140 water 20 ft R. @ 246.9

API - water S $20^{\circ}E$ 60 ft.

π over 246.9 I M Tract SW cor
bears S $76^{\circ}00'E$ 170.2

246.9
170.2

417.1

190
1115
1018

151

hub 148 1.5 on random W^{1/2}
goes West 44.85 to W^{1/2} line
thence N 2° 31' W on said ^{1/2} line
Bob & I to Lake No 1

Tower hub on random 1284.1 S. run
N 54° 52' E 798.1 AP Tower AP
run N 67° 46' E 213.9 Lat line runs
S 9° 48' E 196 - stake bears S 29° 50' W 2737

thing do not check out so Bob & I go back
to Lake No 1 chain between T M E side
of tract 195 ft

Tam Sta. - BS N 29° 50' E on flag at IM
T Mon shore bears N 75° 00' E 170.2

N 21° 38' W 1681 to AP on road

T still at Sta - Sta - bears S
S 31° 06' W 246.9 to Sta Tower Sta

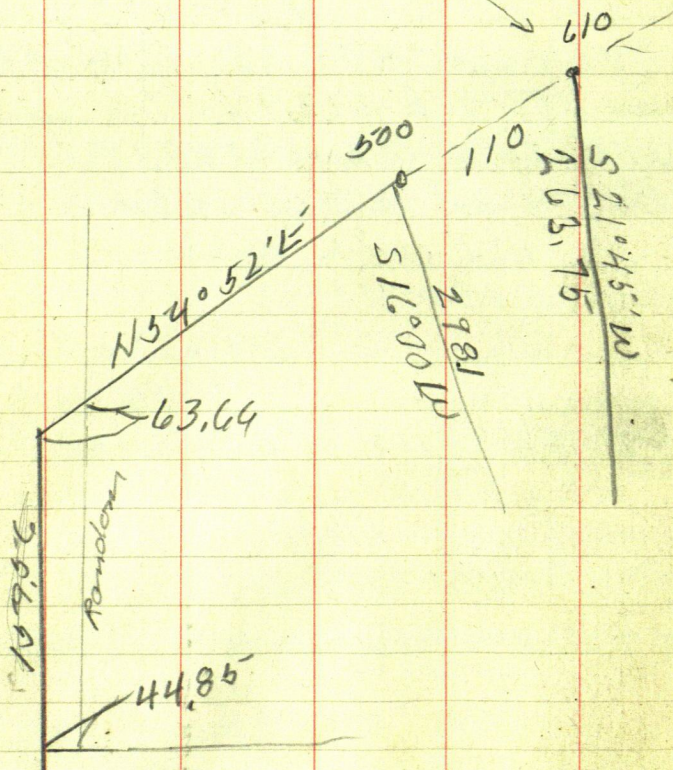
BS N 31° 06' E white stake bears

S 40° 25' W 110 Tower white stake

St. Bears S 75° W

S W cor goes 26.5 W

N W 17.1

$$\begin{array}{r} 270^9 \\ 625 \\ \hline 263,75 \end{array}$$
$$\begin{array}{r} 798.1 \\ 610 \\ \hline 188.1 \text{ W of AP} \\ 110 \\ \hline 298.1 \end{array}$$


16200, N 67 46 E 2/39

$$\begin{array}{r} 2167 \\ \hline 8 \end{array} 3^{\circ} 30'$$

8330
Sine 11320 X 6643 = 752
Cosine 99357 into 66 = 6643

Sine 11320 X 6643 = 1.25
Cosine 99357 into 66 = 6643

Casine 99357 into 662-6643



061

三



17272

6

5/2

18

4518

168.2 OK

30

75

8

00

11

171

1

154

139.29

Correction for W line Lot 2 Sec 15
at 1481.5 line runs W 44.85° S 1044'

$$44.85 + 1481.5 = 030273371$$

but 1284.1 S runs W 38.87

S 54° 52' W

Sine 81782

$$\cosine 57548 \times 47.53 = 27.36 \quad 47.53$$

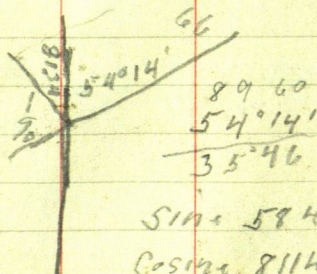
$$81782 / 3887000$$

$$\begin{array}{r} 1481.5 \\ 1284.1 \\ \hline 197.4 \\ 27.36 \\ \hline 170.06 \end{array}$$

2° 31'

Sine 04391

$$\cosine 99904 \text{ into } 170.06 =$$



$$\text{Sine } 58449 \times 8134 = 4754$$

$$\text{Cosine } 81140 \text{ into } 66 = 8134$$

May 11th 1963

Bob + I to Lake No 1 Tower NE cor lot
1 auto S down N line of lots and chain
79.3 to NW cor Lot 1 being W line
Gov't lot 2.

At still at NE cor lot 1. SW angle to SE cor
 $63^{\circ}38'$ Tower NW cor lot 1 the SW angle
to the SW cor is $54^{\circ}14'$ along W line
Gov't lot 2 Rec 15 - 168.2 NE Water 30
run Northwly $81.34'$ NW cor street or Road
Tower NE cor lot 2 - SW angle $67^{\circ}30'$
275' stada to SE cor lot 2

At NE cor lot 3. - SW angle $68^{\circ}17'$
(276' stada) to SE cor lot 3

Tower NE cor lot 4 - SW angle $69^{\circ}47'$
265' stada to SE cor lot 4

Tower NE cor lot 5 - SW angle $69^{\circ}44'$
269.5 stada to SE cor lot 5

Tower NE cor lot 6 - SW angle $70^{\circ}49'$
290' stada to SE cor lot 6

Tower NE cor lot 7 SW angle $76^{\circ}35'$
- - - to SE cor lot 7

Tower NE cor lot 8 SW angle
 $71^{\circ}56'$

Tower NE cor lot 9 site E on IM SE angle
190' stada $98^{\circ}22'$ to SE cor lot 9

$$\begin{array}{r} 292.0 \\ 239.8 \\ \hline 52.2 \\ 2 \end{array}$$

$$\begin{array}{r} 292 \\ 240.2 \\ \hline 51.8 \end{array}$$

Tower SW cor IM site North ^W 1/4 in
NE angle reads $90^{\circ}39'$

$589^{\circ}21'E$

Tower angle point in lat 3 North
angle to AP in lat 4 reads
 $133^{\circ}34'$

Tower AP in lat 4 S angle reads
to it $170^{\circ}34'$ To AP in lat 6

Tower AP lat 6 S angle reads
 $159^{\circ}34'$

Next 2 AP gone could replace
them but a porch has been
built on house and can not
get by it

Tower last AP - the S. angle reads
 $138^{\circ}06'$

bet lat 8-9- 180 ft stdo SE angle
 $99^{\circ}12'$

Tower IM NE cor of plat site W
IM on shore line 195 ft - SW angle $77^{\circ}35'$

8960
7735
1225

~~288.2~~
107.8
296.0

157

12° 25' 66'

run 21502 x 67.58 = 14,53

Cosine 97661 into 66 = 67.58

Tower A.P. BS N 89° 21' W run
N 44° 23' E to AP

Tower AP BS S 44° 23' W run
N 53° 51' E 290 to AP

Tower AP BS S 53° 51' W run
N 74° 21' E to AP + 51.8

Tower AP + BS S 74° 21' W run
N 30° 28' E to lot cor 107.8

Tower lot cor BS S 30° 28' W run
N 30° 22' E to A.P.

Tower AP BS S 30° 22' W run
N 74° 15' E to IM end

158

from IM SW cor lat 1 on $\frac{1}{16}$ line
run $S 89^{\circ} 21' E$ 223.5

Sine $99994 \times 223.5 = 223.49 E$

Cosine $01134 \times 223.5 = 2.53 S$

run $N 44^{\circ} 23' E$ 101.85

Sine $69946 \times 101.85 = 71.24 E$

Cosine $71468 \times 101.85 = 72.79 N$

run $N 53^{\circ} 51' E$ 190

Sine $80748 \times 190 = 153.42 E$

Cosine $58990 \times 190 = 112.08 N$

run $N 74^{\circ} 21' E$ 163.3

Sine $96293 \times 163.3 = 157.25 E$

Cosine $26976 \times 163.3 = 44.05 N$

run $N 30^{\circ} 28' E$ 107.8

Sine $50704 \times 107.8 = 54.66 E$

Cosine $86192 \times 107.8 = 92.91 N$

run $N 30^{\circ} 22' E$ 246.9

Sine $50553 \times 246.9 = 124.82 E$

Cosine $86281 \times 246.9 = 213.03 N$

run $N 74^{\circ} 15' E$ 170.2

Sine $96246 \times 170.2 = 163.81 E$

Cosine $27144 \times 170.2 = 46.19 N$

from SW cor lat 1 run N on $\frac{1}{16}$ line

North 168.2 + 81.34 over street

from NW cor lat 1 run $N 54^{\circ} 14' E$

857.40

to A.P.

Sine $81140 \times 857.4 = 695.69 E$

Cosine $58449 \times 857.4 = 501.14 N$

from A.P. run N $67^{\circ}14'E$ 213.9

$$\text{Sine } 92209 \times 213.9 = 197.24E$$

$$\text{Cosine } 38698 \times 213.9 = 82.78N$$

Then S $10^{\circ}21'W$ 195

$$\text{Sine } 17966 \times 195 = 35.03W$$

$$\text{Cosine } 98373 \times 195 = 191.83S$$

Courses	Dist	Sine	Cosine	North	East	South	West
North	249.54	-	-	249.54			
N 54° 14' E	817.38	811.40	584.49	477.75	663.22		
N 67° 14' E	235.95	922.09	386.98	91.31	217.57	413	
S 10° 21' E	262.89	179.66	983.73		47.23	258.61	
S 74° 16' W	170.2	962.46	271.44			46.20	163.81
S 30° 21' W	229.8	505.28	862.95			198.91	116.11
S 21° 01' W	105.4	958.64	933.48			98.39	37.80
S 75° 39' W	163.3	968.80	247.84			40.47	158.21
S 55° 13' W	190	821.32	570.47			108.39	156.05
S 45° 47' W	101.85	716.71	697.37			71.03	73.00
N 89° 21' W	223.5	999.94	0.1134	25.3			223.49
				826.13	928.02	822.00	928.47

190.25

300

189.7

110.3

8

1797

2499

3