

456

Dec 28-142-31

First Natl Bank
Walker

15.56

4.30

North

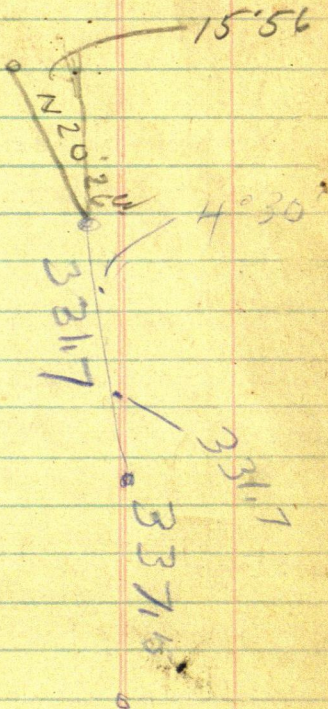
19.86

N 4° 30' L =

60

N 4° 30' W

20.26



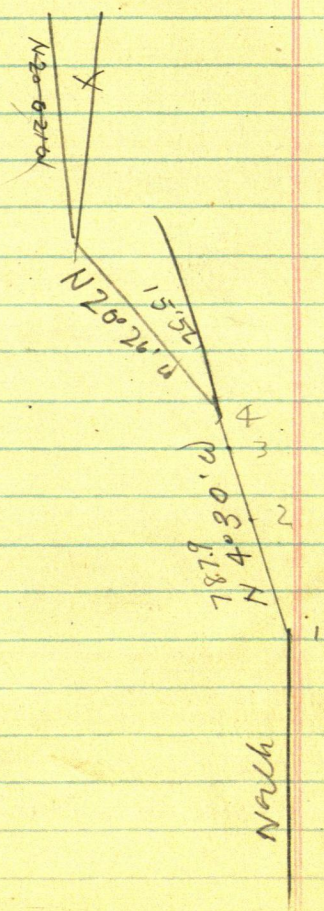
Leiter

Walker B

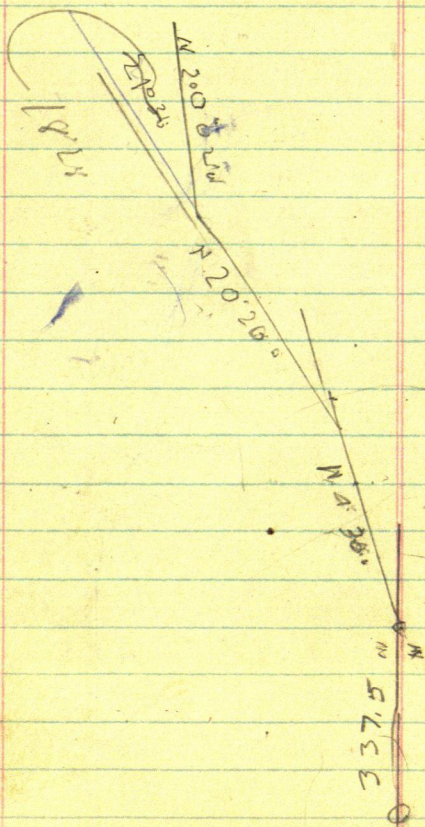
2

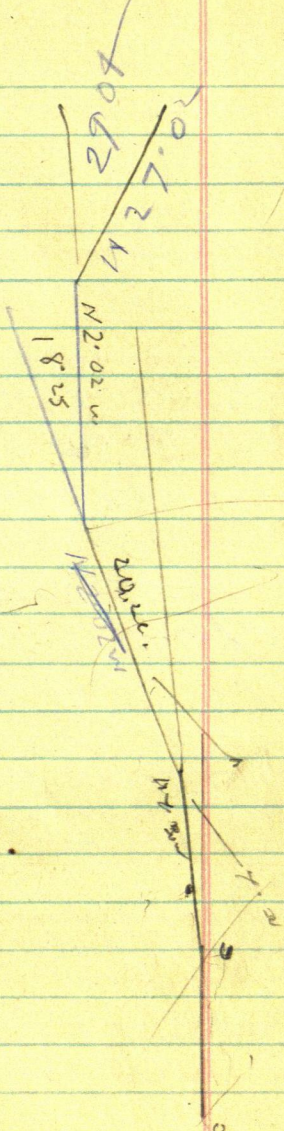
Carl's Washell
~~Edgar~~ Green
Edwin J.

15	56
4	30
19	86
20	27



4





1062
 20.72
 1127.02

1825
 N 2.02 W

2000 ft.
 N 2.02 W

N 2.02 W
 0

6

N 4.30 W 337.5

N 4.30 W

3317.5

2703
50

331.7

2703

602.0 = 51.3

1,85.9

7879 1/4

1/4

N 20.26 W

300.7 20.9

3 20.9 = 5

N 2°02' W

354.8 = 5/6

3000
1141

1859

✓ 27.02.15
201.6

195.74 9796
 19592.

To Find NE of cor of SE $\frac{1}{4}$ NW $\frac{1}{4}$

We pick out open places

From I.M. SE Cor. sta(0) we run
 N 337.5' to sta(1) T.P.

Over Sta(1) we run N 40°30' W

331.7 spike Sta 2

602 " " 3 N edge highway

787.9 " " 4. T.P.

Over Sta(4)

run N 20°26' W 320.9 Sta. 5

T.P.

Over Sta(5) we run

N 2°02' W 354.8 Sta(6) T.P.

Over Sta(6) we run

N 27°02' E 201.6 to I.M.

NE cor. of SE $\frac{1}{4}$ of NW $\frac{1}{4}$ Sec 28

142-31

Checking

N 4'30" W - ~~331~~ 787.9

Sine 078459 787.9 = 61.82

C 996917 = 785.47

Tan 078702 = 61.82.

N 20'26" W 320.9

Sin 349117 x 320.9 = 112.03

C 937079 x 320.9 = 300.71

Tan 372558 x 300.71 = 112.03

N 2'02" W 354.8

S 035481 x 354.8 = 12.598

C 991370 x 354.8 = 354.58 N

T 035503 x 354.58 = 12.596

N 27'02" 2016

Sine 454509 x 2016 = 91.62 E

890742 x 2016 x 179.48 W

510258 x 179.48 = 91.58

1957.74

10

2°04

e- 999351

1959.01

130015 CR SAH.

N 12.6 VII E

T own IP

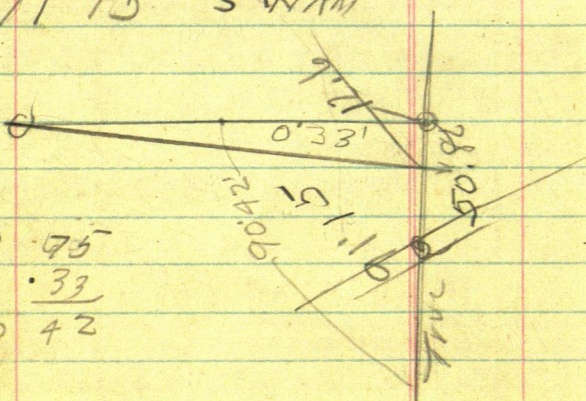
SW angle

NW R under

with line N SW

91°15' SW AN

N



90 75

.33

90 42

U

0

$$1957.74) 94.81 (= 48428252)$$

$$\text{Tang} = 2.46'$$

$$\text{Stal. grad} = 16.34$$

$$2) 195774 \begin{array}{r} 97887 \\ 93764 \\ \hline 4123 \end{array}$$

$$2.46$$

$$\cos 998834) 195774 = 1960025$$

$$3) 1960025 \begin{array}{r} 980.0125 \\ 18 \\ \hline 16 \end{array}$$

$$998834) 93764 \begin{array}{r} 938.73 \end{array}$$

12

Ties to Town Hall Cr
2 1/2 x 30" Pipe in site of dm
50.84 N of Q. Ten w

6" W O N 22° 26' 02" W
30.3

TW in W Oak 12 and 10
use E Oak 12"
N 80° 12' W 11.00

7" W O S 39° 42' W 9.95
Turned From N45 True Line

$$\begin{array}{r}
 293 \text{ } ^{17}9 \\
 \underline{122 \text{ } ^9} \\
 17 \text{ hr}
 \end{array}$$

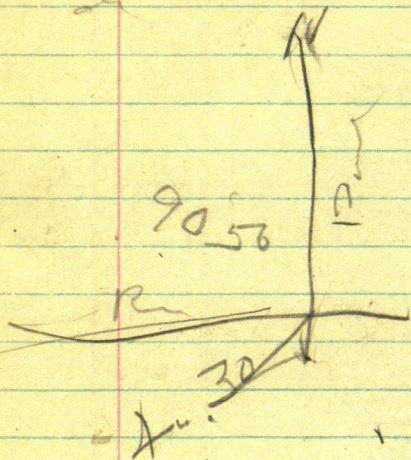
13

$$\begin{array}{r}
 162.7 \\
 293.9 \\
 \hline
 56.6
 \end{array}$$

$$\begin{array}{r}
 293.9 \\
 162.7 \\
 \hline
 456.6 \text{ hr } 6 \frac{1}{2} \\
 300^0 \text{ } \frac{1}{2} \text{ hr}
 \end{array}$$

$$\begin{array}{r}
 756.6 \\
 299.5 \\
 \hline
 1056.1
 \end{array}$$

1/4 Center
 of Arc
 Angle of Radius
 e



$$\begin{array}{r}
 3000 \\
 52.8 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 247.7 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 1056.1 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 1303.8 \\
 \hline
 \end{array}$$

1/4 of radius e

1303.6

intersects
True line

4.30

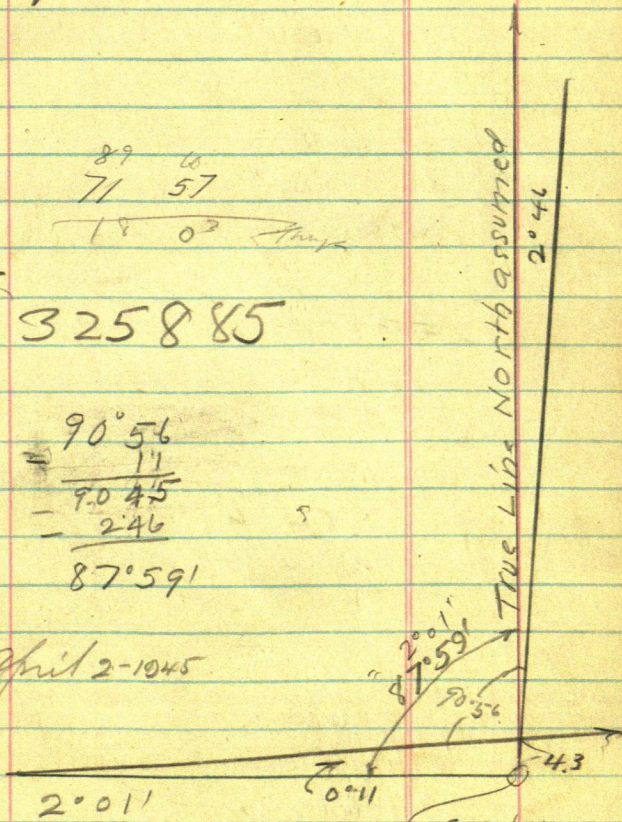
$$\begin{array}{r} 89 \quad 6 \\ 71 \quad 57 \\ \hline 18 \quad 03 \text{ True} \end{array}$$

X

325885

$$\begin{array}{r} 90^{\circ} 56 \\ - \quad 11 \\ \hline 90^{\circ} 45 \\ - \quad 246 \\ \hline 87^{\circ} 59' \end{array}$$

April 2-1945



$\cos = 999391) 464 =$

464.29 // via so line

16

7157

014

Acres feet

1 acre	43 560
2 "	87 120
3 "	130 680
4 "	174 240
5 "	217 800
6 "	261 360
7 "	304 920
8 "	348 480
9 "	392 040
10 "	435 600

18

 $2^{\circ}01'$

$$\text{Sine } .035190 \times 463.29 = 16.30$$

$$\text{Cosine } 999381 \overline{) 463} (463.2871$$

$$\text{Tan } .035212 \times 463 = 16.30$$

 $18^{\circ}03'$

$$\text{Sine } 309847 \times 486.97 = 150.89$$

$$\text{Cosine } 950786 \overline{) 463} (486.97$$

$$\text{Tan } 325885 \times 463 = 150.89$$

 $2^{\circ}01'$

$$\text{Sine } .035190 \times 464.29 = 16.34$$

$$\text{Cosine } 999381 \overline{) 464} (464.29$$

$$\text{Tan } .035212 \times 464 = 16.34$$

 $18^{\circ}03'$

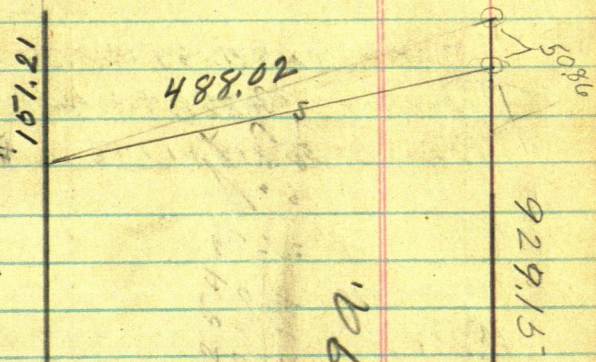
$$\text{Sine } 309847 \times 488.02 = 151.21$$

$$\text{Cosine } 950786 \overline{) 464} (488.02$$

$$\text{Tan } 325885 \times 464 = 151.21$$

18°03'

Two Crooked
 R.O. 8 S 50° E (about) 8.95
 W B 6 about N 5° E 19.80
 W O 3 " S 80° W 17.55
 2 1/2 x 30 1/2 pipe 10' up
 4"



463
464

Total

392254
 392040

 214
 = 90.

Fig. to E Highway

16.34 IM 463.29
 this 464.29

Survey of SE $\frac{1}{4}$ NW $\frac{1}{4}$

Sec. 28-142-31

March 31-1940

Correcting E Line

Hub Marked Sta 1

337.5 N goes W 1634

Hub MKd Sta 2

331.7 N goes W 634

Hub 602 Sta 3 goes E 1.82

Hub 787.9 " 4 " E 7.44

Corrections
48428292

From corrected hub

602 run on True line

N 41.28 and reset I.M.

Ties $2\frac{1}{4} \times 30'$ pipe in pile of stone

50.86 ft N of $\frac{1}{2}$ far road.

W 0.6 N $26^{\circ}02'W$ 30.3

Twin W.O. 12-10 near E. 0.12 N $80^{\circ}13'W$ 11.0

W 0.7 S $39^{\circ}42'W$ 9.95

Run over I.M. NE Cor of SE $\frac{1}{4}$ NW $\frac{1}{4}$

Run S on true line

@ 50.86 S at RR spike in

$\frac{1}{2}$ far road.

22

18°03

$$\text{Sine } 309847 \times 511.16 = 158.38$$

$$\text{Cosine } 950786 \div 486 \div 511.16$$

$$\text{Tan } 325885 \times 486 = 158.38$$

2°01'

$$\text{Sine } .035190 \times 486.30 = 17.11$$

$$\text{Cosine } 999381 \div 486 \div 486.30$$

$$\text{Tan } 035212 \times 486 = 17.11$$

Mar. 30

beg @ T.M. NW cor. SE $\frac{1}{4}$ NW $\frac{1}{4}$

we run random line E

@ 687.8 ^{200' N 6.67} spike on hill

@ 1139.8 spike hut, N 11.05

quit for night cont.

on page 24 this Book

900E $\frac{1}{2}$ N 8.72125PE $\frac{1}{2}$ N 12.721300 $\frac{1}{2}$ N 12.60

Fact = 9692307

All Hubs go S 3297546

March 31, 1945

Sec 28 - 142 - 31

by @ SW cor of SE of NW¹/₄
we run Random line

East @ 65 ft @ old grad. N.E.S.W

@ 171.0 E Hub goes S .56

@ 293.9 E " " S .77

@ 456.6 E hub 6 ft E of old road
NWSE goes S 1.51

@ 756.6 hub, goes S 2.50

@ 1056.1 " " S 3.48

@ 1303.6 Hub on intersection
of N+S line with south line
4.30 ft N of I.M.

Over hub, 1303.8 S. 9.30

NW angle of the two Random
lines read $90^{\circ}56'$

Walk North

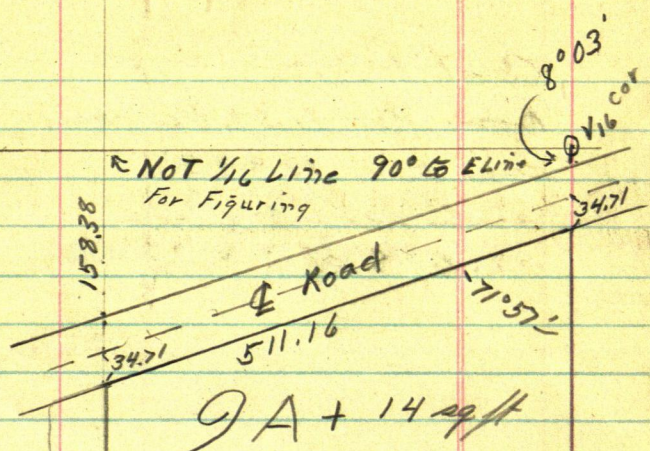
Over hub RR spike @
road 50.86 S of I.M. on

Read SW angle of Road
 $71^{\circ}57'$

24

Cont N Line of SE $\frac{1}{4}$ NW $\frac{1}{4}$
Tower Hub 1139.8 E cont
line E @ 1299.9 E
intersect E. Line
12.6 S of IM

13



9A + 14 sq ft
 Fig to R of Way
 only

486

Rough Estimate if
if 4 random bw est
570 x 830 =

$$4350 \quad) \quad 487692 \div 4350$$

Would be. 11.2/10 am

1/2/1

30

Hoglund Survey
Sec 32-33
143-31

Oct - 1948

J.W.C. and I drive to
Erick A. Hoglund's. Tell
him we will start
his sons work next
day for him to send
a man to help cut
line. We are to do the
Eng. work for \$50.00

Hoglund son owns
Gov't lot, 1 Sec 33
143-31

Harold Curo

Sec 32-33

31

143-31
Hoglund survey
Oct 31-1948

J.W.C. and I Lv Walker
drive to Leech Lake
store where we meet
Eugene T. Hoglund
Who is going to help
cut line.

We drive to the
NW Cor Sec 33-143-31
Where we find a brass
top I.M. set by the U.S.
Gov't in its resurvey
of 1919-1920

We drive East to the
shore of Leech Lake
where we find another
brass top I.M. M.C. set
at the same time
as there is a fence
on the N line of sec
33 and we do not want
to cut any trees along
this line we offset
15 ft. N. Harold Curo

32 Hoglund Survey
Sec 32-33-143-31

Oct 31-1948

at both cor's, and
work π on line
do not chain as we
only want this line
for a base to run south
on.

The Govt said the N
line of Sec 33 run
 $N89^{\circ}50'E$ and the
West line runs $N0^{\circ}21'W$
Tower of set spike
15 ft N. of NW Cor Sec
33 We site $N89^{\circ}50'E$
on line 15 ft N +
Parallel with N Line
Sec. 33, and run
 $S0^{\circ}21'E$ J.W.C. changes
my course I do not
check of it is too close
We run $S0^{\circ}21'E$

beg. chaining @ USIM
cor to Sec 28-29-32-33
143-31.

Harold Curo

Hoglund Survey
sec 32-33-143-31

33

Oct 31-1948

South $0^{\circ}21'E$ bet secs.
32-33

@ 300 stake on line

@ 411.2 hub 60^d spike

@ 600 notch in top of Pop.

Windfall Not on line

@ 900 pin (@ 1200 pin on line)

@ 1212.405 hub = 60^d spike

@ 1500 stake on line

@ Woven wire fence E+W

+ — Road E+W @ 1800

stake @ 1994. hub, 60^d

spike

Town hub 1994.

The U.S. I.M. M.C. N side

welches bay sets

S $43^{\circ}33'W$ 37.54. Call random

line N+S

Town I.M. site N $43^{\circ}33'W$
on hub 1994.

The New U.S. B.T.s set:

N.P. 14 N $56^{\circ}12'E$ 31.1

N.P. 18 N $63^{\circ}12'W$ 82.4

Harold Curo

34 Hoglund Survey
Sec 32-33-143-31

Oct 31, 1948

as our line should of
been on the True line
and the the common
talk is that sun time
has been moving the
corners to suit himself
We will have to wait
for the notes of the Re-
survey before we can
finish the work

CREW

Eugene Hoglund	ax.
Floyd Albom	ax.
John W Curo	T ch.
Harold J Curo	T ch.
Donald Curo	ch.

Chas F. Flynn

La Porte Minn

Frank Albom

Walker Minn

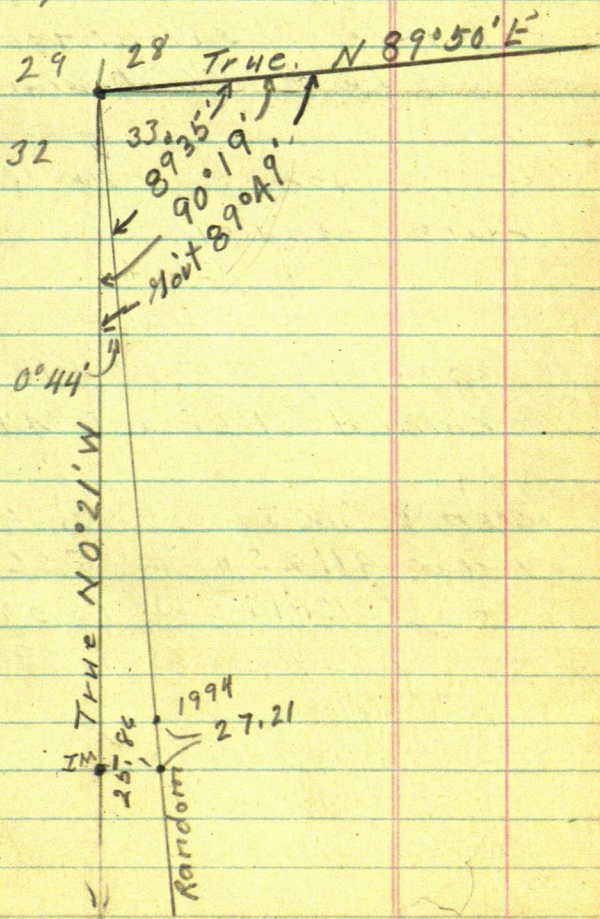
Hoglund Survey
Lot 1 - Sec. 33-143-31

35-

Dec. 18 1948

We just received The
new Mont Notes to
T. 143-R31.

Fig. Correction



36 Hoglund Survey
Lot 1 Sec 33-143-31

Dec 18-1948

The New Govt Notes
say over Welches bay
& Set I, M, M, C, N. Sided of
Bay Ties

NP 14, N $53\frac{1}{2}^\circ$ E 491K-3234

NP 18 N $64\frac{1}{4}^\circ$ W 127 = 83.82

Correction for our Random
Line

1994
+ 27.21

2021.215

2021.21 | 25.86 | 127948

colled 128 = $0^\circ 44'$

Stake 3005 goes W 3.84

Hub 411.25 " W 5.26

" 1212.45 " W 15.52

- 13205 " W 16.90 Vic Cor

Sunday Dec. 19-1948

JWC & I go check M, C,
N side bay bet 32-33.

H. J. Curo

Hogland Survey
Lot 1 - Sec 33 - 143 - 31 37

Dec 21 - 1948

JWC & I drive to
1300 S on section bet
Sec. 32 - 33

Pack outfit N to NW cor
Sec. 33 - 143 - 31

Pick up our N Line
of sec 33 and check
angle.

Angle to N line & our
Random Line S. bet 32 - 33
SE ang. reads $89^{\circ}35'$

We correct our line
south see page 36 this
book.

Turn Hub 1212.4
continue Random S
from stake 1200 - 120 ft
to 1320.

Turn 1320 Site S. Turn
 $E 89^{\circ}35'$ E and run
E parallel to N line

We turn 90° and run West
16.90 set IM for True N

38 Hoglund Survey
Lot 1 - Sec 33 - 143 - 31

Dec. 21 - 1948

Vic Cor bet Sec 32 - 33
143 - 31.

Floyd Alborn
cuts line East
quit at 4 o'clock

We drive to Hoglund's
Erick says he will
have a man to help
tomorrow.

Harold Curo

Hoglund Survey
Lot 1 Sec. 33 T143-R31 39

Dec. 22-1948.

J.W.C. stays Home and goes to the Court House
I in J.W.C.'s car drive to Leech Lake Store
Hoglund's man that not stoped there I drive to Floyd. Alborn in Lot 2-Sec 33-143-31
Floyd & I continue N $\frac{1}{4}$ Line of Sec 33 East Eugene T. Hoglund comes later. We let him cut line while Floyd & I chain beg @ N $\frac{1}{4}$ Cor I.M. chain East.

@ 300.60' spike in 6" pop. stump

@ 391.6 hub 60' spike under T.

@ 395.4 cross woven wire Fence N+S

Harold Curo

Hoglund Survey
40 Lot 1 Sec 33-143-31

Dec 22-1948

@ 600.6 - 60° spike on
Line

@ 870 cross woven wire
Fence N W S E

@ 900 - 60° spike on line

@ 1147.4 - 60° spike hub

@ 1200 pin Not on line

@ 1320 set $3/4 \times 24$ " iron pipe
as Hoglund wants to know
about where the W $1/16$ line
would run if there had
been any line

@ about 1250 enter swamp

@ 1500 stake in swamp not on line

@ 1760 Lv swamp foot of sea wall

@ 1775.7 set a 2×24 " I.M.
on sea wall for the S E Cor
Lot 1. & N E Lot 2.

@ 1800 Water of Leech Lake
Ties to I.M. S E Cor Lot 1

Twinn R. Dock. 12-10 use E. one sets about
North 10.10

Hoglund Survey
Lot 1 Sec. 33-143-31

41

Dec 22-1948

W. Oak. 10 sets East on line
3.70

R. Oak. 6 S about 45 E 19.8
to spot at base

Finish @ 12-30 P.M.

drive back to Walker

send Bill for \$50.00

To Erick A. Hoglund

Cass Lake Minn.

for said work.

P.M.

Court House bunch
have their party

I get 2 Hamik From
Paul Jewell

I give Andrew Bilben
carton wings Cig.

J.W.C. gets 50x - Cig. + Chew
He gives Vilot - - - -

Harold.

① 111-31

Gov't lot 2 Sec 33
143-31

43

W.D. Lee Sells

filed 1/10/50 to

104-172 Lloyd Albarn

All that portion of Lot 2 Sec. 33-143-31
except that portion described as
commencing at the SW Cor of said
Lot 2 as pt of beg. thence N along the
West boundary line of said lot 2 a dist.
of 500 ft thence E parallel to the N
line of said lot 2 a distance of
225 ft thence S parallel to west
boundary to shore of Leech Lake
thence W along shore to beg.

1st party grants to 2nd party
an easement for ingress to and
egress from above land across and
over the present road

W.D. Charles Cooke

filed 12/4/50 to

105-167 Irvin Yound

All that portion of lot 2-sec 33
described as follows over

Commencing at the S.W. cor
 of said lot 2. Thence N and
 W boundary a distance of 300 ft
 to a point thence E parallel
 to N line a distance of 100 ft
 to a pt. which shall be known
 as pt of beg.
 thence S parallel to W line 125 ft
 to a pt. thence E parallel to N line
 125 ft to a pt thence N parallel to W line
 125 ft to a pt thence W parallel
 to N line 125 ft to pt of beg.
 1st party grants to 2nd party an
 easement over present road
 crossing Lot 1 - Sec 32 - 143 - 31
 also an easement over the N
 33 ft of tract conveyed to
 Arthur Becker
 party 1st part also grants to
 party 2nd part an easement
 over the West 25 ft of the premises
 retained by them for use as a foot
 path to the shore of Beech Lake

said easement to be over a strip
of land constituting a 25 ft strip
of land adjoining above described
premises on the west and extending
shly. to the shore of Leech Lake

Lee D Sells

18 May 13-47
97-208

to Charles Cooke

all that part of lot 2 - Sec 33
described as follows commencing
at the SW cor of said lot 2; thence
N on W line of said lot 2 - 500 ft thence
E parallel to N line of lot 2 - 75 ft which
point shall be designated as pt No 1
thence S parallel to W line to shore
of L L the Point of Beg; thence
N parallel to W line to pt No 1
above described thence E parallel
to N line 150 ft thence S parallel
to W line to shore of Leech Lake.
thence W along shore to beg
over

46

1st party grants an easement
over the present road across
Lot 1 see 32-143-31 and
also an easement over the
N 33 ft of those tracts conveyed
on the date hereof to Arthur
Becker

May 13 Sells to Becker

1947.

97-207 allth part of Lot 2

beg. at SW cor. thence N
500 ft E 75 - S to lake shore

N 33 ft is easement

1946 from Next page 47

Run pt 100 E of W line and
500 N of M. E. site E on line
parallel to N line Lot 2 &

Turn R. SE angle $90^{\circ}18'$ & run
S 125 ft set pt for IM SW cor
Youngs tract

From SW cor run E parallel
to N line Lot 2. 125 ft set pt for
IM. set IM along E line of 225 ft
tract to mark line to lake

Lot 2 Sec 33-143-31

Tower 60° spike in poplar stump
300 ft E of $\frac{1}{16}$ site on I M $\frac{1}{16}$
chain W 75 ft at 60° spike 225
ft E of $\frac{1}{16}$ from $\frac{1}{16}$ I M Chain
E 75 ft at 60° spike on line 75' E of
I M

Work on line bet $\frac{1}{16}$ and M C
at 60° spike on the line bet
see 32-33

Tower $\frac{1}{16}$ take SE angle
of 90° 18'

at point 201.2 S on sections
line at 60° spike hub in road
near center of S $\frac{1}{2}$ of road.

Tower 201.2 site S on line and
turn SE angle 90° 18' and run
E parallel to N line Lot 2
@ 75 ft at 60° spike in $\frac{1}{2}$ road
at 100 ft at 60° spike extreme
N edge of graded road, continue
E and set pt for I M 225 ft E of
N line. see page 46

Cook 2021
1320

701
500.

Lot 2 Sec 33-143-31

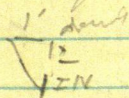
July 9th 1958

Some time ago I
set rions at the corners
of Charles Cook's Tract
of land in Gov't Lot 2
Sec. 33 T. 143 R. 31

as one of the rions
came at the edge of the
road and as Mr Cook
wanted to leave said
I M in sight to show
the owner where it is
before he drive it down
below the road surface
we set this I M in P M
and the land owner will
be home for supper we
leave it up about 10 miles
Land owner who lives
E comes along and
pulls said I M out

to day July 9th 1958
I am going back and
re-set said I.M.
& I drive to
lot 2 Sec. 33-143-31
Lower I.M. on E line of
said lot 2 and site N
along said E line
Turn 90° 16' R at 100 ft
re-set Iron that was
pulled out
drive same below
road surface.

cut bank 1 ft high
I.M. set 1 ft S of bank



Received \$35⁰⁰
for re setting I.M.

Steamboat Bay Resort

Oct 24 1958

Charles Cook comes to my house last night says his lawyer wants a map of his place showing location of buildings. that his case comes up in court Monday Oct 27

I tell him that I will have his map ready to-day Oct 24

raining. Bert & I take my chain-saw to Bemidji to get it fixed

have to wait for parts so drive home as it has stopped raining

Ed & I go to Steamboat Beech Resort

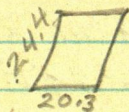
Over I.M. Youngs SW cor
Site Non " NW cor
& take Youngs Cabin

Oct 24th 1958

NW Cor. N 45° 57' E 50.6

SW Cor N 72° 16' E 35.75

SE Cor N 80° 47' E 54.9



Cook's North Cabin

NE cor. S 58° 34' E 84.55

NW cor. S 47° 21' E 65.2

SW cor S 34° 21' E 86.25

From Youngs SW Cor. we
run S 13° 03' E 156.35 ft
ret 60° spike.

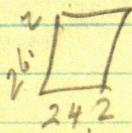
Then 156.35 BS N 13° 03' W

take Cook's next cabin

NW cor N 20° 31' E 36.9

SW cor N 57° 27' E 15.45

SE cor N 77° 09' E 38.1



over

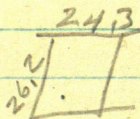
π still at 156.35

Take 3rd Cabin of Cooks

NE cor S 63° 02' E 41.8

NW cor S 34° 06' E 22.05

SW cor S 16° 04' E 47.2



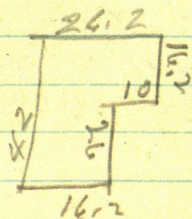
π still at 156.35 Take
Location of cabin
which the law suite is
over,

NW cor S 74° 17' W 56.25

NE cor S 61° 41' W 31.8

SE cor S 42° 09' W 41.9

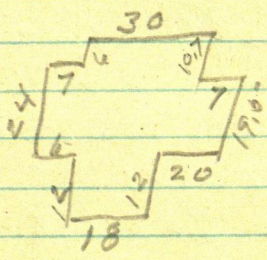
SW " S 33° 53' W 68.75



from hut 156.35' run
S 15° 24' W 119.5' = 609 yds

Turn 119.5' to the main ledge

SW cor S 6° 41' E 26.7
NW cor S 65° 13' E 6.00
NW cor N 78° 01' E 13.4



take boat house
Askill at 119.5'

NW cor S 17° 03' W 90.1
NE cor S 11° 47' W 88.9
SE cor S 11° 12' W 101.3



Oct 25th 1958

90/18'

I make sketch for
Cook Steamboat Bay Resort

Oct 26 - 1958 as I am
on my way to Bena I
stop at Steamboat Bay
Resort and give Cook the
Sketch then go on to Bena

Oct 27 - 1958

Monday Lo Walker for
Bena arrive with John
at about 7 AM, see book 270
Back home at 11-15 AM
get call from Bemidji
The case at Bena was settled
out of court Sunday PM
so he will not need a
sketch

L.S.

Oct 28 - Tue

I - get a call from
Cooks Attorney wants
to see me before court starts
at 9:30 AM I go to Courthouse
make a few changes on my
Sketch of Lot 2 Sec 33-143-31
Wait in Office all day
do not get called.

Oct 29th 1958

get another call from Cooks
Attorney I go to Office at
9-10 - The Attorney says
he will call me as soon
as he can this morning
Billie is at courthouse
waiting for me to go to work.