

248

WILHELM VON

WILHELM

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No 248

1941

Bingo

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

Made in U. S. A.



Note:

This Book belongs to  
John W. Curo - Walker  
Minn If lost, Finder  
please notify Curo  
For reward.

John W Curo  
March 22-1940

2

# Index

John & Norman 137-31

7. 19. 19. 31-14/28 C. C.

11. 19. 19. 31-14/28 C. C.

11. 19. 19. 31-14/28 C. C.



Any old Twp. - almost.

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

4

137-31 Bungo Twp

John G Norman

Norman has enjoined the County of  
Cass from grading a road bet  
Rues 12-13-137-31

Claiming that the Iron monum-  
ent on the west end has been  
moved South about 4 rods

Commissioner say OK.  
have Cucco Survey it and we  
will grade the road on  
the line --- maby?

Norman is to pay for  
the survey.



John G Norman

5

June 8-1941 Sunday

Copy and notes

Cass Co Records

Co Surveyor Office

Book No

A.

137-30

Sec 5 1P 330 to 340

6 " " " } over  
7 " 25 " 30

138-31

36

31

138-30

5296.91

5296.91

5303.20

5260.48

137-31

1

1 curch

5303.80

5298.60

Johnstone ch.

6

137-30

stone

12

7

Page 340 Book A.

6

0

137-31

3

2

5294.10

10

11



Record No 433 Blk C. Pg 285

Copy June 8-1941 Curo

137-31 5294.1 OK.

5342.2	1323.5	1323.5	1323.5	1323.5	5279.2
1396.3	1322.6	1322.6	1322.6	1322.6	
1315.3	1321.7	1321.7	1321.7	1321.7	
1315.3	1317.7	1317.7	1320.1	1322.5	
1315.3	1320.7	1320.7	1320.7	1320.7	
1315.3	1319.8	1319.8	1319.8	1319.8	
5261.5					

Sec 1-137-31 Subdivided  
By Curo - 1915 & 258.21

stone

8

John G Norman

137-31

5296.91

core chain  
5294.10K

5296.71

core chain

5294.0

Johnston ok

Johnston

5299.2

5342.2

2

1

5294.10

5279.2

stone

5261.5

11

12

(14)

stone gone

(13)

Johnston notes - Page 284 Book C.

Nov 9-1915. Could not find Hallett's  
stone got small stake from the  
4 New BTS For cor 11-12-13-14

137-31 Pine stump 8 N 11° 30' E 52.70

Pine stump 12° S 58° 47' E 47.20

Green NP 10 S 62° 45' W 52.30

" NP 8 N 16° 14' W 71.70

Hallett Tree  
Green NP 8 N 48° E 23.1  
Dry JPL (10 m) 34° 30' W 38.9  
stake



Walker June 8-1941 checking old Nals (9)  
Cun

Johnstone Nals From 11-12-13-14

137-31 Run NW 10-1915 U92

North: 660.2 Hub 1117.2 Hub

1510 enter Creek 1525 L. Creek

1610 Hub Rain all day

Nov 11-1915 JA Johnstone & Ch

J. H. Heninger Flg. Ch &

A. Norman & continues

North Bet 11-12-137-31

2162 Hub 2707.9 Hub 3791.0 Hub

4413.8 Hub 5174.60 Hub

Stake in meadow sets West 49.6

Johnstone also channeled from  
NW Cor Sec 1-

South 5429.1 Stake in  
meadow stands West 48 ft

5174.6	5		5342.2
5429.1			5261.5
<hr/>			<hr/>
10603.7		OK. Fine!	10603.7

OK old Johnstone OK. check

Page 284 Book "C"

checking John W Cun June 8-1941

10

John G Norman<sup>10</sup>

See 12-13-197-31

June 8-1941 could.

USNalis

NP24 N 36 E 23 =

NP22 N 43 W 45 =

BP5 S 68 W 52 =

NP22 S 12 E 39 =

(12)

USNalis call for

Dead NP14 S 81 E 29 =

NP15 N 41 E 42 = 27.72

NP18 S 76 W 30 = 19.80

Dead Spruce 8 N 56 W 30 =

11-12-  
13-14SEOP 98  
NEW 18731/4  
zone

US	Spruce 5 N 34 E 117 =	77.22
US	Tam 9 N 45 W 22 =	14.52
US	" 8 S 54 W 78 =	51.48
Nalis	Spruce 7 S 76 E 46 =	30.36

B



June 9-1941 137-31

11

Sec 11-12-13-14-137-31

" 7-18-137-30

John G Norman Survey

June 9<sup>th</sup> 1941 Monday

Up @ 5 AM. Cold as hell Cloudy

Coffee at Restaurant 5-30

6 AM Lr Walker-alone

Spedown 0.0.

" 21- Bocher

" 30 at Pine River

7 am Coffee at Pine River

8 AM. ar John Norman res

Eat breakfast with John

9 AM. John G Norman and

Oscar Hanson W $\frac{1}{2}$ NW $\frac{1}{2}$  13-80 acres <sup>unmarried</sup>

Drive West to Cor 11-12-13-14

See Ties on Page 8-10 This book

We find the green slumps of  
the SWBT 3rd old spot at base

Find new up Spot overgrown

Less A Gleason P.R. PO.

liver on SE Cor Sec 11-137-31

12 June 9-1941<sup>12</sup>

Norman and I drive 3 miles E

Mrs Geo Olson says Geo is  
in Pine River - we get heavy hammer  
and 2" chisel. She will send  
George boxes as soon as he returns  
from town.

We drive back Hanson and chisel  
cutting for old spot at base of  
old '8' NP" NOW 15' at base

Old blage at base begins to show  
up and as we KNOW. this is the  
old New BT" called for in recorded  
notes at Et Hov Walker Book C Pg 284  
we stop cutting

Dig up 2x48" IM - Cap torn off  
with pick - Dig down a foot  
find IM straight

Geo Olson arrives in his  
car 11 AM and helps me do ALL  
the charring

11-12-13-14-137-31

Buff + Berger Transit - perfect  
adjustment 300 ft Chicago  
Sleet tape almost new. P. Bab Ch



June 9-1941 <sup>13</sup>

✓ over true cor 1m 11-12-13-14  
137-31 tak Ties Old BTS level  
perfect for course and distance  
with Iron

Ug Pine Stump 8°N 11'30"E 52.70  
to RR spike Georg Olson drives  
in center of stump OK

Pine stump call for in Hallett's notes  
and Japhurstone's notes of Nov 9  
1914 as "Pine stump 12 S 58.47 E  
47.20 ft is gone in road grade

Here are the ties

J. Pine 11°N 46°55'E 50.75 new

RR spike in old stump 8°N 11'30"E 52.70 back  
of stump = old value

NP 8" (now 15") N 16°14'W to depression

3 ft up. Spat at base bears N 16°30'W 71.70 old  
value

White Pine 10°N 42°54'W 53.43 New  
spat at base

Green NP 10" (now a 16" stump)

S 62°45'W 52.30 to old spat at base old

NP 16"S 56°04'W 59.35 New spat at base

2x36" Pipe with Non S 45°E 46.67

14 June 9-1941<sup>14</sup>

Still over 2m True Cor

11-12-13-14-137-31 in E W Road

Take Course of E Road

E Rd N 89°10'E 80 Rods

" " S 89°45'W for 700 ft and

N 89°40'W half a mile away

" " South 1000 ft and S 0°12'W  
a mile away

Quit at 11-55

Olson - Hanson and I eat  
dinner with John Norman

PM.

1314  
245.8  
1559.8

1314.00  
245.8  
1559.8

NG

20.7

245.8

22.2

22.8

1314

1014

443

601/2

2N

211



(15)

627

1314

245.8

1559.8

June 9-1941

From Mail Box ch

E-W Fence

Fence 20.7 S 22.2 N

West @ 245.8 - Fence runs So -

From Cor 11-12-13-14 - 137-31 of

East 300 ft @ 444 - Two Culverts

570 ft Culvert 600 ft

900 ft + 114 = 1314 Fence Runs S

@ about 1312 fence runs N - 22.2

Fence 21.2 S and

1500 ft

1559.8 + 559.6 Hub at Mail Box

Fence 20.7 S 22.2 N

1314

245.8

1559.8

1500 - 1800 ft

2158.6 Hub 2/1 N of E Road

Fence runs So 24160

To Cor Post #

E-W fence 23.4 N

16 June 9 1941  
East

2700.0  
427  
2637.3

2400 from 2636.4

2700.00  
63.60  
2736.40

@ 2636.4 Hut 0.50 west  
and 21.00 N from  
NE Cor Big Cement  
Post at corner west  
side of driveway  
E-W fence 23 ft N

@ 3000 from 3300 in water  
3600 from 3900 from  
3937.70 Hut

Fence runs SO 22.2  
N side NE Cor Post  
E-W Fence

Vali @ T about 3870  
NE Cor post of fence  
about 19.6 N  
No more fences east



June 9-1941

4200 pin 4500 pin  
4551.70 Hult 3 ft N of E &

Tree NP 14 S 23°45'W 39.90

NP 12 S 54°40'E 55.70

Spot at base

East 4800 pin 5100 pin

+ 149.5 = 5249.5 Hult

All Hults are R.R. Spikes

5249.5 is in N-S-E Road

3.0 ft of so wheel track of  
Road from the East - extended  
and 6.00 So of E of Road the  
East and in line.with so wheel track of  
road from the West  
Tree

SE Cor Port of pier

N 45°20'E 34.25 Side of Port

JP 15 S 65°15'W 66.10

S 59°50'E 123.35

6:25 PM

18 June 9-1941

Olson and I walk  
Set X on H.V. to ~~1000~~ 800 feet  
four a mile East  
our line cut NW half back  
where it enters C. Road

We intersect the H. Road  
@ hits 5.50 N of  
H at 5249.5 at which  
point we decide to

Fix True Line on  
John Norman drive  
a 3 ft slake 3.70 N of  
where we decide out  
our corner but we  
cannot use John's  
slake

Norman agrees to use  
out True corner as

5.50 N of spike 5249.5  
NIX

4 Roads where we  
will put cor 7-12-13-18  
137-31-31

11	12.	Random	5.50
14	13	5249.5	
137-31		NIX See Page 33	



June 9-1941

Town Board Walden  
Frank Swift  
Arvid Erickson

Geo Yancey elk

Bungs  
Warren Huffman  
James Ware  
Em Hinch

Les Leuenzler elk

7-15 Out - 7-30 at  
Norman for supper

7.45 Supper over look at  
Pet pigs 7.48 Ld Norman  
is a mile ahead try to  
catch him - Road too

rough 8-PM at Pine  
River 8-10 To 8-27 Talk  
with Elmer Olson

8.27 Ld Pine River 9.03  
at Walker Freedom 92.4.  
36 minutes PR to Walker

20

June 9-1941 continued...  
Evening: Reed calls  
he has the Highway Office  
key in his pocket

We drive to "Island"  
Reed leaves the key with  
the Office draftsman & the  
Clerk. Back home in  
Walker 9-45

Martha is in bed

Still Cold -

We are to go to Grand  
Rapids Minn. to-morrow

John W. Curo



June 10-1941 Walker

up 8 AM. Martha rather stay  
home - Reed and I will go to  
Grand Rapids - Minn to North-  
field Iron Co - F. R. Kentop  
3109 Hennepin Ave Mpls  
Phone 1886, letter

Rec Telegram -- "out of stock  
16 gage Inco culverts etc

Reed and I Lv Walker in my  
car 10.20 +- AM Spedon 0.0 mi  
10.44 AM at Cass Lake GND-pnt 21.5  
11.18 Ball Club (Mrs Payne) 54.5  
11.25 AM Deer River 62.5  
11.45 Cohasset 72.5  
11.55 Grand Rapids Ctho 76.5  
Dinner 80° PM  
meet Co Commissioner

June 11-1941 Wed - In Ct Ho

Apc 6.20 AM. Cold-steady rain -

8 AM at Ct Ho Walker - Checking Old Field  
Boaker for Town Line Cor 7-12-13-18-137  
30-31 Geo Olson says I told him

"Spoke in slump root" "true corner"  
15 or 30 years ago - young Haplan  
built road a mile west to this cor

Co Record Boakers A-B-C & D  
do not appear to show it

I will go thru them again  
then Look thru my old field Bks  
Find Nothing in the index -- unless?  
the index -- "slipped"

I will go thru the Field Boakers

Checking Old Field Boakers  
My old Cass Co Boak  
#99 - page 29

Bk 99-Pg 29 - old valis say: April 17-1907

Geo Olson - John P. Leef chain

John W Curo R & E Transit: Milre Thompson  
Tom Wilson axmen

Bege Cor 7-8-17-18-137-30 Run  
West 8°15' Uan @ 476.6 Hub on hill  
20 ft hi Over



24

2

June 11-1941-137-30 copy and notes

Old Notes-Continued Bk 99 Pg 29

West hut 7-18-137-30 context apr 17-1907

@575 ent swamp @ 700 L<sub>1</sub> 960 ent swp1175 L<sub>1</sub> swamp = foot of hill 1320 Hut

side hill 1370.20 Hut on hill top

1900 hub on Beaver Dam - ent swamp

2100 L<sub>1</sub> swp 2300 ent swamp

2640 Temporary 1/4 no hut

True 1/4 hut 7-18-137-30 stands about

33 ft north but BTS is 6 ft too long

so I do not bother now but continue

West 3152.40 Hut 3865.8 Hut 3960

Hut 4475.80 Hut 5299.14 slake

cen of graded road stands

N 75 feet and E 20 feet No BTS

Lee went home to Pine River

We locate this corner - later

John W. Curo

More old notes scraps -

Note: I will look up some old scrap  
notes later

John W. Curo

Sec 12-13-137-31

NIX

June 11-1941 Continued

5249.5) .5.5 (= 10477188)

137-31

Cor 2

True line

0°3'12"

5249.5

5.5

11 12

14 13

June 9-1941

Valid viz Fork at 12-13-137-31. 300 pin

444 Two Culverts 570 big Culvert being installed 600-900-1200 pin

1312 (about) fence runs N 22.8 To Cor port 1314 Fence runs S-

21.2 to Cor port 1500 pin

1559.8 1559.6 Hub at mail box rd of road

E-W fence 20.7 S and 22.2 N 1800 pin 2158.6 Hub 2 ft N of E W Rd

24.6 rd of Cor port of fence running S. and 23.4 rd of Fence E-W 2400 pin

2636.4 Hub at 2637.0 the NE

Cor of a Large Cement Pillar post on West side of John

Norman driveway placards

So 21.00 - E-W Fence 23. N



26

John Norman

3

East bet 12-13-137-31 Nails of June 9/44

Page 16 this book 2700-3000 fm

3300 fm in mud hole 3600-3900 fm

3937.10 Hub in line with cor post  
of fence running South 22.2 to  
N side NE cor postNail 1 at about 3870 E the SE cor  
post of fence - runs NW 17.00 L-NNo more fence either side from  
here East 4200-4500 fm

4554.7 Hub on hill 3 ft N of E-W &amp; Rd

Tier NP14 S 23°45'W 39.9 ft

NP12 S 54°40'E 55.70 4

To flat spot at base turned from  
our random 4800-5100 fm

5249.5 Hub in N-S-E Road

Ties

5" SE cor post of fence N 45°20'E 34.25

JP15 S 65°15'W 66.10 To spot on bath

" + " in big 3x6 ft stone which Geo

Olson now cuts with my cold

chisel bears S 57.50 E 123.35 ft

6-25 PM. Page 17, this book

Plthn Cor is 5.50 N. See Pg 18-19 this bk

④  
changed See Pg 33.

1048

27

~~1312.37 \* 2 = 2624.75 - 3937.11~~

5249.48 13

1312.50

1.31  $\frac{1}{16}$

1312.37 E goes N 1.37 =  $\frac{1}{16}$

2624.75 " " N 2.75 =  $\frac{1}{4}$

3937.11 " " N 4.12 E  $\frac{1}{16}$

5249.5 " " N 5.50 See Cor

10477188 N

1314 E goes W 1.63 to 1312.37 E \* N 1.37 =  $\frac{1}{16}$

1559.8 E goes N 1.63 Mail Box

2158.6 E " N 2.26

2624.75 " N 2.75 To  $\frac{1}{4}$  Rd 12-13-137-31

2636.40 E " 2.76

3937.11 E " N 4.12 To E  $\frac{1}{16}$  N 1 X

4551.70 E " N 4.77

5249.5 " " N 5.50

changed  
See Page 33



June 13-1941 Friday

10 AM - Martha stays home  
in Walker I Lr for Bungo  
Twp From

Pine River Call John G Norman  
res. 12-00 noon Ar Eat dinner  
with Norman PM

John W Curo K - John G  
Norman. Oscar Hanson - help

Driveto Cor 7-12-13-18-137-30-31

On Town Line

My old notes call for  
US Notes Say

Spruce 5N34'E 117 = 77.22 root 1907

Tam 9N45'W 22 = 14.52 gone "

Tam 8S54'W 78 = 51.48 OK here 1907

Spruce 7S76E 46 = 30.36 OK 1907

Drive Spike in root Big stumps

True Corner

New BTS. N42°N 8°E 181.½ ft center  
of line 1907 nails

Flat side Big Rock S58½°E 124.2 ft

Big Rock 6x8 - Top, deep in  
ground - well bedded only  
Big Rock here old nails 1907

30

7

579

To-day June 13-1941 we find  
the stump of the old "20" NP  
and from E of stump chain  
SW 181.50 ft to a point 124.2  
ft from flat side of Big Rock  
at which point I drive a  
RR spike for True Corner

7-12-13-18-137-30-31

over which I set Buff & Buff T  
and take bearings

Focus  $3\frac{1}{4}$  mile N 1/4 Road  
in big cut on top of hill as  
Meridian

E old NP stump bears "20" bearing from  
N  $8^{\circ}05'E$  181.50 heart of stump

Flat Side of Big Rock 6x9  
well bedded in the ground. Only  
big Rock here bears

S  $58^{\circ}17'E$  124.2 To flat upon  
on NW-Side of rock

Cross "4" cut in top of this rock  
By Geo Olson and Oscar Hansen

John Norman & I June 9-1941  
bears S  $57^{\circ}40'E$  126.17

JP 155  $61^{\circ}20'W$  68.90 new



# Time Sheet

31

Working For John G. Norman Est & Cass Co Road

1941 June 8 9 10 11 12 13

John W. Guro & ch

car

Expense

John G. Norman Ax

Oscar Hanson Ax

Geo Olson ch

Notes

1 -

1 -

- -

1 -

1 -

1 -

- -

JUNE 13-1941 cont'd

$\pi$  @ TRUE Cor 7-12-13-18

137-30-31 = RR Spike

Tier continued From Pg 30

This Book 248

intersection of  $\perp$  of Olson Road  
From the East 3.70 ft - stake

driven by Norman June 9-1941  
stands 3.70 ft and 0.50 ft w

$\perp$  of Road Half a mile S bears  
S  $0^{\circ}28'W$  and Cut in line  
a mile S bears S  $0^{\circ}31'W$

$\perp$  Road 900 ft E bears

S  $88^{\circ}15'E$

West end of same road  
bears North 3.70 ft.

$\perp$  Road  $\frac{3}{4}$  mile N  
bears North

2-27 PM. June 13-1941

$\pi$  back over Random Hat  
5249.5 East the true cor  
sets 5.25 ft N and 0.50 ft  
a foot East so that



at 5250.00 East on random  
 true car to 7-12-13-18  
 137-30-31 bears North 5.25  
 feet being 0.25 of a foot to  
 and 0.50 of a foot East  
 from where Geo Olson  
 and I decided it should  
 be June 9-1941

Correction = 1.

See Page 27 This Book 248

1312.50 E goes IX 1.31 to W 1/16

✓ 1314. E goes N

1.31

✓ 1559.8 E " N

1.52 at Main Box

✓ 2158.6 E " N

2.16

2625 E " N

2.63 = 1/4

✓ 2636.4 E " N

2.64

✓ 3937.1 E " N

3.94

3937.50 E " N

3.94 to E 1/16

✓ 4551.70 E " N

4.55

✓ 5250.00 E " N

5.25 to See Car

11 12

RR Spike 12 7

See car

-5.25

14 13 Panda 5250

13 18

→ E

## Correcting - West

At 4551.7 E we pull up RR  
spike and set it 4.55 To True Line  
Ties: NP 14 S 21° 26' W 43.98 ft  
NP 13 S 51° E 58.40

new spot at base of each  
Turned from line line  
We correct all hubs shown on  
Page 33 this book checked  
Thos' V' and set RR spikes  
and Lath with small red flags  
Marked "20 ft Out" and "33 Out"  
also hub and flag marked true  
E - See Line - "Cued"

At 1314. E corrected Hub  
new Tier as follows  
Cluster of 3 White Birch Trees  
all inside of 1 foot Circle 5-5-6"  
line We take 6" Bench the  
new spot at base line  
N 33° 10' W 82.20 A 7" Cedar  
Post on line with line 69.10  
1/2 E Post  
White Oak 10' S 63° 35' W 72.23  
Spot at base Turned from  
line line



June 13-1941 <sup>(12)</sup> cont'd

1314 corrected Hub could  
NW Cor Post of fence S  $4^{\circ}50'W$   
22.55 To side of post in line  
with  $\frac{1}{2}$

SW Cor Post of fence bear  
N  $6^{\circ}30'W$  21.55 Feet  
To side of Post

Each Post about 9" diam

We drive went to Cor

11-12-13-14-137-31

At Wit Mon S  $45^{\circ}E$  46.67 we  
drive a 2x36" Pipe as shown  
on Page 13 of this Book 248

Meet James Ware  
6 To 6-10 PM

All OK. Finished 6-10 PM  
Norman does not care to  
set any  $\frac{1}{16}$  or  $\frac{1}{4}$  Corners  
Only  $\frac{1}{2}$  & Co Road

Dinner with John Norman  
who pays me \$17.50 in full  
for my line & exp. Broken Rock  
John W. Cur

36

13

Norman Survey

Check - Copy

Bochas Min June 13-1941

Bochas Club - Bank

Pay to John Cues \$1750

For Survey See 12-13-

John H Norman

Nat'l: Norman must pay  
Geo Olson a couple of dollars  
for his work - More than half  
a day with his car June 9-1941

Evening - Cash Ch at Pine  
River Try to Call Ashley  
McKinley Res at Beaumont  
7-30 PM Call 1141 J.

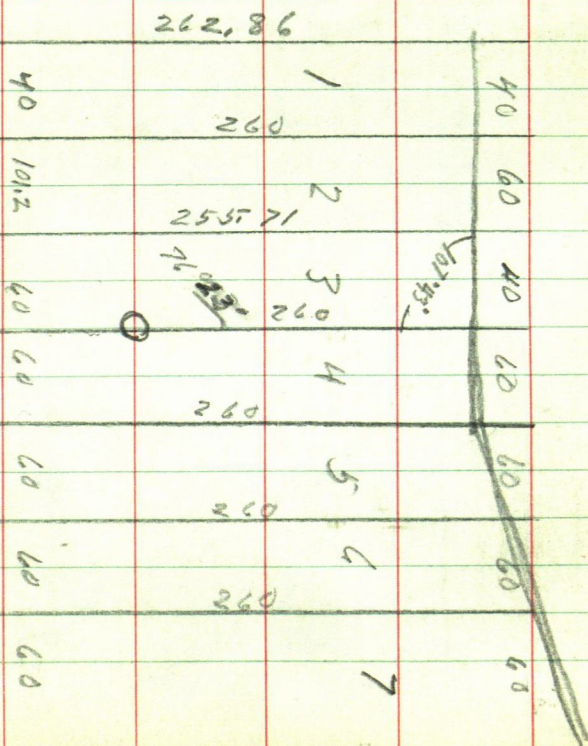
No answer

Drove home to Walker

John H Cues









①

Lot 3 Sec. 33-139-29 AA Boehm

Address: AA Boehm 905 Margaret Ave. St Paul 6 Minn owns all of Lot 3 Sec. 33-139-29 except 2 acres described as N. 2 acres 1 acre N+S 2 acres E+W

Letter from AA Boehm March 9<sup>th</sup> 57  
I will meet you on my place at the SW end of Lake Ada next Thursday Mar. 14<sup>th</sup> to discuss details

I will come to Brainerd by train wed night and drive to the lake Thursday arriving there between one and two P.M.

In case of a blizzard or very bad roads I will try to phone you at your home in Walker

If for any reason you will be unable to meet me let me know at once my telephone number in St Paul is Prospect 6-3895 I am yours truly

A.A. Boehm

Thursday March 14<sup>th</sup> 1957 was the beginning of a real bad snow storm Mr. AA Boehm comes to Pine River from there he calls me I try to get him to come on up to

Walker as it is only 33 miles he says no storm is getting to bad afraid he can not get back to Brainerd the way it is now.

Storm lasted Thursday + Friday snow in streets of Walker two ft deep plenty of snow piled up on streets Wed. March 20<sup>th</sup> 1957 - no place to park cars in back of Court house yet

Wed March 20<sup>th</sup> 1957

Leo A. Boehm of 306 1/2 - 1<sup>st</sup> Ave NE Brainerd Minn. Brother to A.A. Boehm comes to Walker around 11 o'clock, and shows me what they want done at Lake Ada. he is getting the first Tract or lot on N end next to the 2 acres tract not owned by his brother Al.

They want to make this lot 107 ft as if Iowa Club owns of the N 2 acres want or need the 7 ft they will let them have it. after the 107 ft is marked off they want to start at the NE corner of Lot 3 - Sec 33-139-29 and stake out the lots West from the E side making each lot 100 along Sea wall ranging 3,300 ft to a 24 ft permit road.



The owner of the NW  $\frac{1}{4}$  of the NW  $\frac{1}{4}$  of Sec. 33-139-29 said he would give them a 12 foot easement along his side of the W  $\frac{1}{2}$  line to build a road on. I tell Leo A Boehm to have his brother get the easement in writing and recorded as soon as he can.

as I have been checking old notes & surveys made in Sec. 33-139-29 and have part of said old note on paper I think it best to put them in this book before they get lost.

first I am to get \$400. for the work as they say I agreed to do it for that a year or so ago. OK.

#### Old Notes

The NW cor of Sec 33 being the cor to Sec 28-29-32-33-139-29 in field Book 247 on page 15 says I.M. cor to Sec. 28-29-32-33 sets in S. wheel track of E & W road, and on old N & S fence

No Ties to this corner in field Book  
But in looking up records in Book D

on page 300 I find Ties recorded July 1  
1942 - Record No 5-97 V. 2

Red Cat 8N 59° 12' W 36.05"

" " 75 39°20'W 34.70'

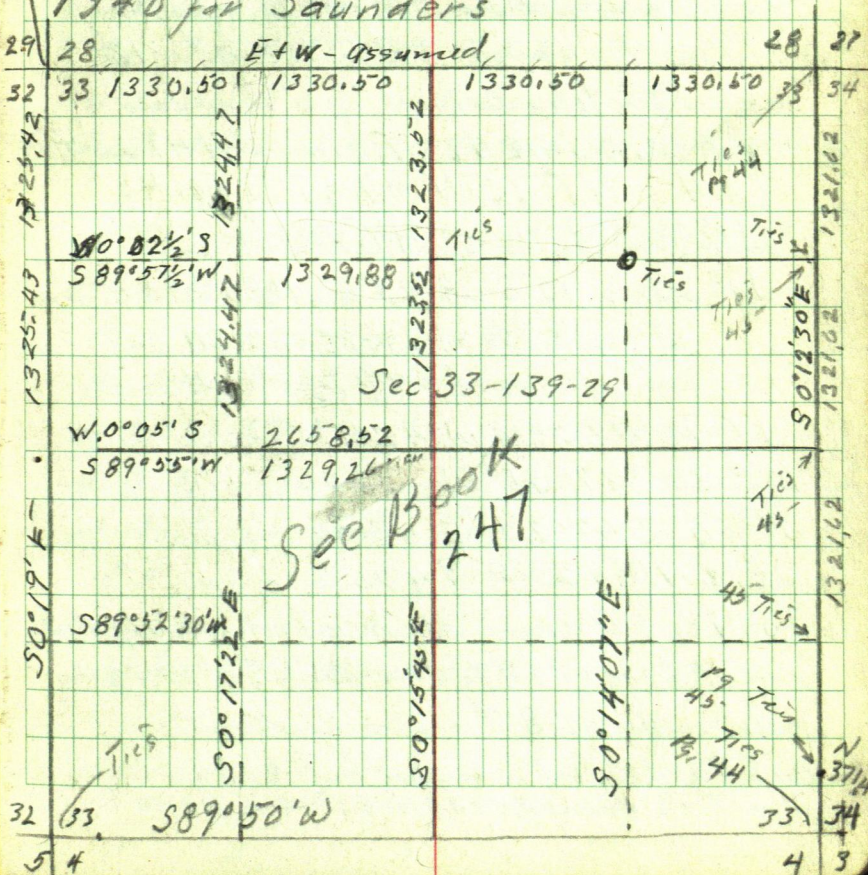
Jack Pine 7S 50° 45' E 114.50'

12 N 75° 53' E 92.05'

JW Curo surveyed and staked out

1st in Gov't Lot 2 - Sec 33-139-29 in

1940 for Saunders





#4

Gorv Lot 3 (5) Sec 33-139-29

Old Notes 1940

Book 247. pg. 10. says @ cor to 3-4.33-34  
139-29 Look for old BTs viz

JP 12 N 30° 10' E 140.4 Now a stump

" " 6 N 71° 45' W 90.40 ok a tree

" " 6 S 72° 52' W 120.45 do not look

" " 12 S 75° 31' E 111.85 now a stump

We find the above well marked  
but are about 8° off for course must  
have been set from magnetic bearing.  
from the above 3 BTs we set a 120°  
spike for true corner take New ties

RR spike in & 12" JP. stump N 47° 23' E  
66.4 N.P. 15 N 49° 45' W 60.45

JP. 10 S 13° 10' W 47.70

JP. Stamp 12 S 68° 23' E 111.85 old BT stp.  
at cor to Sec. 27-28-33-34

Ties Survey Record 574 page 249

JP 12 N 52° 18' W 47.15

WP. 30 S 17° 55' W 152.00

JP. 6 S 47° 27' E 63.30

W.B. 6 N 34° 29' E 94.05

IM 13 2 ft down Hensel in survey 1947  
page 88 book 247. says this IM has been  
driven down 8 ft since first set

We fill up 2 foot hole and set 2x24

New Tie's Power Pole 10 N 53° 24' E 43.00

## Old Notes from Field Book 247

Work line bet. NE + SE corner Sec 33  
and rock in all points

Int. = 110° spk 371.4 N of SE cor. 6' W of  
of N + S Road. 14 ft N of old road running West  
Twp JP 15 S 54' W 57.90

Oak 6 S 29° 24' E 132.10

1321.65 N = S  $\frac{1}{4}$  Cor bet 33-34

Set a 12" spike 3 ft W of N + S

JP. 10 N 47° 47' E 225.10

Pop. 7 N 44° 07' W 48.6

@ 2643.25 =  $\frac{1}{4}$  bet Sec. 33-34

spk 3 ft W of of N + S road 15 ft N of old  
fence running West Twp

7" Tank Th. W. tree in cluster of 5 trees  
N 41° 50' E 137.0

Pop. 12 N 12° 05' W 47.80

Paver Pole 9 S 89° 33' E 34.00

@ 3964.87 N = N  $\frac{1}{4}$  Cor. RR spk 6 ft W  
of of N + S Cor. road in line 2 ft S. of N ditch  
of Western road. Twp

RR spk in heart of 10' solid Tank stump  
S 37° 07' W 59.53'

JP 6 S 45° 43' E 177.60



46

Lot 3

(7) Sec. 33-139-29

Old Notes from field Book 247

Apr. 17, 1940

Turn N  $\frac{1}{4}$  bet Sec 33-34-139-29 focus  
 on true section line turn S W angle  $90^{\circ}10'$  run  
 West on true N  $\frac{1}{4}$  line Sec 33-139-29  
 on N. edge of road grade @ 1316.2 hub 60' spike  
 3.6 S. of SW cor. post of fence

@ 1329.9 hub RR spike True  $\frac{1}{4}$  corner  
 NE  $\frac{1}{4}$  Sec 33-139-29 continue line west  
 (S  $89^{\circ}57'30''$  W) @ 609.3 hub RR spike 1007.2 hub  
 60' spike 1114 hub 60' spike @ 1290 hit E end  
 new house about 5 ft N of SE cor.

Turn 1114. Turn  $2^{\circ}50'$  S or Left to miss  
 house @ 216.16 Ties to hub 1114

BS N  $89^{\circ}57\frac{1}{2}'$  E (course of True N  $\frac{1}{4}$  line)

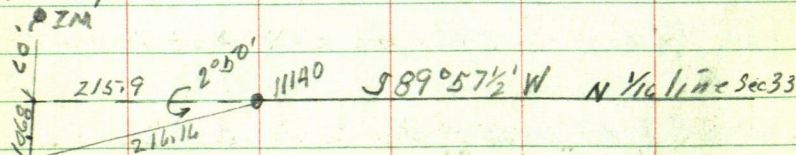
Oak 6 N 33.08 W 7.25

" 5 S 75 $^{\circ}$ 33' E 8.20

NE cor Cem. foundation S  $1^{\circ}37'$  W 7.65

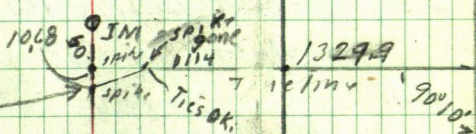
NW " " " S  $72^{\circ}55'$  W 33.50 to sharp cor

60' spike 1114, driven 2" down



Turn 216.16 BS E  $8^{\circ}52\frac{1}{2}'$  N to hub 1114  
 and run S.  $0^{\circ}15'45''$  E for true line  
 run N ( $0^{\circ}15'45''$  W) 10.68 to 60' spike cor

Note, JWC's Notes  
 in Book 247  
 JWC's site 5 on  
 N 55° E into old line  
 to cat's hair  
 Can't find where  
 he ran any line to  
 be able to hit his old line  
 I do not know



in center N  $\frac{1}{2}$  Sec 33 from  $\frac{1}{4}$  chain N  
 60. ft to pt for Lot corner IM @ 65 N edge of Brind  
 @ 98. water edge

at Int 460' W of  $\frac{1}{4}$  Center NE  $\frac{1}{4}$  Sec 33  
 on N  $\frac{1}{4}$  line Ties

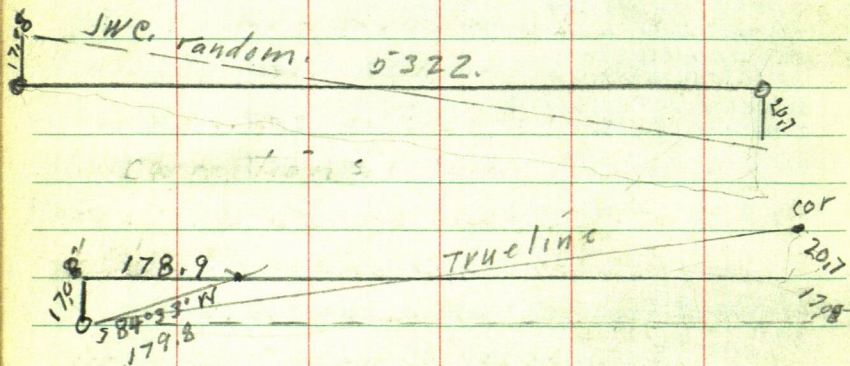
JP 9 N 14° 23' E 46.65

JP 14 N 55° 05' W 23.07

NP 15 S 84° 35' E 37.25



from hub 460 W of SW cor Lot 1 Sec 33  
 BS  $S 89^{\circ} 57' \frac{1}{2}'' W$  along true N  $\frac{1}{4}$  line  
 and run  $N 0^{\circ} 15' 45'' W @ 70$  net RR spike  
 on top @ 108 IM. @ 161 water edge to Ada  
 North line Sec. 33



### Correction

$$20.7 + 17.08 = 37.78 \div 5322 = .00708944$$

Hub 173.9 E goes N 1.27 then S 17.08 = S 15.81 to line

" 1546.6 E x N 10.93 x S 17.08 = N 6.15 to line

" 4200 E " N 12.70 to line

Ties to hub 4200 E RR spike

N.P. 10 N 11.20' E 14.20

J.P. 12 S 81° 53' E 35.90

March 23-1957

Don & I Lu Walker drive to Lake Ada  
Sec 33-139-29

at cross road on N 1/4 of Sec. 33 we drive  
E to Lake Ada, road full of snow find  
nobody home at farm house drive  
back W to State Highway and S 1 mile  
to little store get pop drive E 1 mile  $\pm$   
to SE cor of Sec. 33 on county line  
then N on trap road  $3/4$  mile look for old  
B.T.s to N  $1/4$  Cor bet Sec. 33-34-139-29  
snow deep we see one of the B.T.  
drive  $1/4$  mile W along N  $1/4$  line to  
Lu can walk West  $1/4$  mile  $\pm$  try to pick  
up JWC old line run in 1940

find this to put 1 1/4 W of center of NE  $1/4$   
Sec. 33 find IM on sea wall NW cor  
Gov't lot 2- Sec 33-139-29 snow  
to deep to find IM 500 ft South on  
N to S  $\frac{1}{2}$  Sec. 33 drive home to Walker



50 Govt Lot 3 (H) Sec 33-139-29

Mar. 25-1957

I write AA Boehm to send  $\frac{1}{2}$  of the  
\$400. if work is to be done by contract  
figuring in Office

North line Sec 33-139-29

if we can locate the ties to  
JWC's hub. 4200 on E side Lake  
Ada, also the NE cor of Sec 33

We can set  $\pi$  over corrected  
hub 4200, site E on Sec. Cor if  
no trees are on line and set a  
point on W side of Lake Ada

if this can not be done  
We can correct hub 4200, E  
and work  $\pi$  on line between it  
and NW cor sec 33.

(12)

Loka Ada

11 11111 51

Sec. 33-139-29

5322.0

$E + W$  assumed.

Lake Ada

2661.9

8026610

90-1212

1329.90

90%

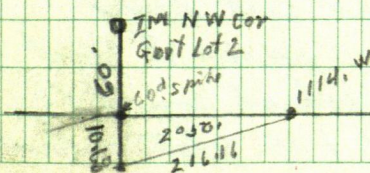
1329.29

5317.15

2656.15

SE 9050' W 5312.30'

NW cor. Sec 33, IM in S wheel tract  
of E+W Road, and on old N+S Fence



N/Aulonia extended  
across Gov't Lot 2 - 33-139-29



52 Gov't Lot 3 (13) Sec 33-139-29

March 26<sup>th</sup> 1957

in office checking old notes

March 28<sup>th</sup> 1957

I drive to Lake Ada Southend  
Lv car near center NE  $\frac{1}{4}$  walk  
west - 2 flag poles - spikes tape +  
brush hook. from point about  
where hub 1114. (set by JWC-1946)  
gone now I alone chain west  
going South enough to miss house  
at 216  $\pm$  set a flag in 2 ft of snow  
from I M NW Cor Gov't lot 2 on  
brink - chain S on line with flag  
just set at 60 set point + 10.68  
set point. @ 60 I kick away the  
snow and find 2" I M Level with  
ground. Set for  $\frac{1}{2}$  Cor Center  
N  $\frac{1}{2}$  Sec. 33. + 10.68 snow about  
2 ft deep try to find spike too  
much snow. set flag at I M on  
brink one flag at I M Center N  $\frac{1}{2}$   
Sec 33-139-29 and cut line  
south at about 200 paces I find  
a 1X2X36" stake which could be  
at SW Cor of Tract 1 of platted land

but it seems too far south I could not find any iron or but but the snow is deep so did not look long. at about 900 ft I am to low to see back so quit drive back to Walker. : Note: there is a 8 inch oak tree on line or awful close near center of N  $\frac{1}{2}$  Sec. 33 will have to cut it down or take part of the N side off when I run the T over this line

March, 29-1957, Friday

Ed stays home from school was going to lake Ada with me - snowing and stormy out so do not go.



$$\begin{array}{r} 632 \\ 28 \\ \hline 560 \end{array}$$

Sat. March 30 - 1957

Don, I, and Raymond Shanks to  
Lake Ada. Tower I M NE cor lot  
3 rt. West on I. M. center N  $\frac{1}{2}$   
Sec 3.3 and run West from I M  
on sawall chain West @ 60 I M  
 $\frac{1}{16}$  cor Center N  $\frac{1}{2}$  Sec 33

@ 132.85' hub, + 200' pin = 332.85'  
- 32.85' = 300' at 60' spik. on line  
332.85' + 300' - 632.85' pin + 93.3

$$\begin{array}{r} 93.3 \\ 726.15 \\ \hline \end{array}$$

@ 726.15' hub 60' spik.

Note at 560 I find a RR spik set for  
SW cor of Tract in Govt Lot 2 Sec 3  
This RR spik sets West @ .25' of a foot  
of our line

go to cor for dinner

Corrections

$$500. \overline{.0005} 0.2500$$

our line goes W. 0.0005' of a foot W for each  
foot South

Hub. 132.85' S is only 72.85' S of  $\frac{1}{16}$  cor  
and goes W. 0.4' of a foot

Lot 3-Sec 33

16

139-29

55

hub 726.15 S is only 666.15 south  
and goes West .33 of a foot.

P.M.

We correct hub 666.15 S of  $\frac{1}{16}$   
Tower corrected hub. 666.15 - 6 S  
on RR spike a 500 S and continue  
our N & S  $\frac{1}{2}$  Sec. 33-139-29 South.

$$666.15 + 227.25 = 893.40 \text{ S hub,}$$

~~227.25~~

$$893.40 + 270 =$$

~~270~~

11.23. enter bog. E+W

$$893.40 + 300 = 1193.40 \text{ min}$$

$$1323.52$$

$$1193.40$$

$$130.12$$



Lot 3-Sec 33 <sup>(12)</sup> 139-29April 10<sup>th</sup> 1957

at Office snowing hard out

Yesterday I get a card from  
Leo. A. Boehm - Brainerd He wants  
to get started building at Lake Ada

I was going to go to Lake Ada today  
but as it is snowing hard out I could  
not see to do anything

Sat. April 6<sup>th</sup> 1957 Ed + I drove  
in on the N line of Sec. 33-139-29  
after we saw the Twp board about  
their road at Hand Lake

We stopped to see if we could  
find the NW cor. of Sec 33 which  
is in E + W road The IM is  
there O.K. it looks like it is bent  
but could not tell for our account  
of snow and frozen ground

Sat. April 13-1957

Dave - Ed & I drove to Lake Ada  
cold wind we were going to run  
Lake shore but figured wind to cold  
soon go to center of sec 33 and  
continue our E West.

From hut on bank chain 225.9 E  
to hut out for Center of Sec 33-139-29  
in bog.

From  $\frac{1}{4}$  Center of Sec 33-139-29 W  
on E & W @ 160 LV bog @ 225.9 hut 60<sup>d</sup> spike  
+ 208.8 = 434.7 W hut 50<sup>d</sup> spike + 360.4  
795.1 hut 360<sup>d</sup> spike on bank 15 ft E of  
seawall

Tower 795.1 BS N 89° 55' E and take  
reads of shore line of Lake

105 N 9° 04' W

hut 795.1

220 N 13° 25' W

390 N 19° 20' W

540 N 24° 45' W

820 N 40° 40' W

880 N 45° 10' W

1020 N 50° 30' W



58 Lot 3-Sec 33 (12) 139-29

PM

We drive to NE Cor Sec 37  
where we find I M in road  
 $\frac{1}{2}$ " up drive it down 1 inch  
walk W of shore of Lake Ada  
find RR spike hut @ 4200 E at  
NW corner 33 @ 4200 + 196 we find  
120 spike bath on S.W.C. old  
random line. Tower RR spike site  
E on 120 spike hut turn 90 and run  
N 12. set stake on true N line  
Sec 33

4047.6  
1.5

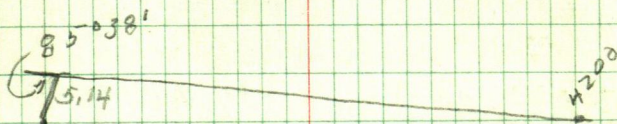
3816.1  
3639  
120.0

April 14-1967

Don-Ed & I drive to N line sec 33  
139.29 try and work N on line  
but NW 1/4 and the corrected  
but at 4200 E too many trees

At end of road BS E of corrected  
Rub, 4200 E and run W set but  
N of NW cor sec 33

Tower but N of NW cor sec 33  
BS ~~E~~ on our random IM sec cor  
bears S W angle  $85^{\circ}38' - 5,141$



$$85^{\circ}38' = 54^{\circ}22'$$

$$\text{Sine } 076139 \times 5,14 = 39$$

$$\text{Cosine } 997097 \times 5,17 = 5,13$$

Corrections

$$5,13 + 4200 = .0012214285 = 0^{\circ}04\frac{1}{2}'$$

$$159.64 - 7 = 152.61 \text{ but } + 39 = 153 \text{ NE}$$

$$4200 - 153 = 4047 \text{ W of } 494 \text{ S } 4.94 \text{ to line}$$

$$153 + 230.9 = 383.9 \text{ E}$$

$$\begin{array}{r} 230.9 \\ 383.9 \\ \hline 4200 - 383.9 = 3816.1 \text{ W } + 4.66 \text{ to line} \end{array}$$



60 Lot 3-Sec 33 (21) 139-29

$0^{\circ}17'23''$

$0^{\circ}17'$

$\sin = 004946$

$\cos = 999988$  into  $208.72 = 208.722$

want 1324 47

1206 34

118.13

1073 49

132 85

1206 34

661.1

25.1

686.2

Lake Ada (22) AA Boehm. 61



$$259.45 + 383.9 - 643.35 \text{ E hub}$$

$$383.9$$

$$643.35$$

$$643.35 \text{ W} = 4200 \text{ W} - 643.35 =$$

$$643.35$$

$$3556.65$$

3556.65 W goes S 4.34 to Spec line

$$643.35 + 300 + 300$$

$$600$$

$$1243.45 \text{ min}$$

$$51.6$$

$$1191.85$$

$$420000$$

$$1191.85$$

$$3008.15$$

hub 1191.85 E is West 3008.15 E + goes  
S. 3.67

$$1330.5$$

$$1243.45$$

$$87.05$$

$$4200.$$

$$1330.5$$

$$2869.5$$

1330.50 E is 2869.5 W of 4200 E and  
goes S 3.50 to W  $\frac{1}{2}$  cor N side Sec 33

$$264.77$$

$$300.72$$

$$300.72$$

$$1313.85$$

$$508.72$$

$$264.72$$

$$773.49$$

$$251$$

508.72  
171.5  
337.22

(24)

51.6

269.77

63

Tue April 16-1957

Don, Ed & I drive to N 1/4 Sec 33-139-29 Lv car near W 1/4 cor walk S on W 1/4 line and continue W 1/4 line South

begin hub 208.72 chain S @ 508.72  
min + 171.5 - 337.22 hub + 264.77 =  
773.49 hub. + 180 cross N & S fence

773.49 + 300 = 1073.49 min + 132.85 =

1206.34 + 118.15 = 1324.47 hub

Temp 1/4 Center NW 1/4 Sec 33-139-29  
+ 339.2 hub

300 + 300 = 600 + 61.1 = 661.1 hub

• Tower 661.1 S of Center NW 1/4 Sec 33  
139-29

From hub around T chain SE  
to hub on E & W @ 100' pin edge of  
Lake @ 300 min arrived + 300 =  
700 + 152 = 852 ft

BSN 0°17'23" W

Tower hub 661.1 S of Center NW 1/4 Sec 33  
hub 795.1 W on E & W @ bearing S 39°14' E  
852 ft.

from hub 661.1 chain S on W 1/4 line  
25.1 out hub pt for ENC if line is OK  
about 20 ft from water mud shore



PM

Town hub on W  $\frac{1}{4}$  line 208.72

S of W  $\frac{1}{4}$  Cor N rid sec 33-139-29

B& N  $0^{\circ}17'23''$  W and run southerly  
 $50^{\circ}17'23''$  E 107 ft at spike hub

Still @ 208.72 run East

Being South line of Track described  
 as N 2 acres 1 acre N & S and 2 run  
 E & W.

183.7 - 197 water edge 184.5'

at spike  $12\frac{1}{2}$  ft E &  $12\frac{1}{2}$  W

move S to 107 ft hub

run East @ 184.5' spike 6 from water

Town IM MC on N & S & Sec 33

Site S  $0^{\circ}15'46''$  E and run

N  $82^{\circ}46'$  W @ 100 ft spike

3 ft from brink

@ 200 spike 4

Town 200 BS  $582^{\circ}46'$  E run

N  $81^{\circ}23'$  W 100 ft spike bank 15' <sup>5' deep</sup> sand

Town 100 BS  $581^{\circ}23'$  E run

N  $74^{\circ}53'$  W @ 100 spike - 10 from brink

@ 200 spike 6 from Brink

Turn 200 BS S  $74^{\circ}53'E$  + run  
 N  $67^{\circ}40' + W$  100 - 200 - 300

April. 21. Easter Sunday 1957  
 Don. Ed & I to Lake Ada and  
 continue stake line along lake  
 Turn 300 BS S  $67^{\circ}40'E$  and  
 run. N  $44^{\circ}07'W$  100

Turn 100 BS S  $44^{\circ}07'E$  + run  
 N  $49^{\circ}16'W$  100'

Turn 100 BS S  $49^{\circ}16'E$  + run  
 N  $53^{\circ}06'W$  - 100 continue on pg 66

I let the boy cutting stake line  
 and go back to IM on N + S & and take  
 shore place of beg. and get distance  
 from lot stakes to lake.

ME 3 ft from brink 25 to water NE cor lot

1 - NE cor lot 2 - 6 ft from brink + 15' water

NE cor lot 3 - 3 " " + 15 "

" " " 4 12 " " + 6 "

" " " 5 6 " " + 9 "

" " " 6 6 " " + 10 "

" " " 7 on sea wall + 15 "

" " " 8 on " " + 12 "

" " " 9 edge " brink + 25 " <sup>in pines</sup>  
<sup>on high bank</sup>

" " " 10 edge " " + 25 water



NE cor lot 11 under X. 3 1/2 br. int + 22 W  
 Tower 100 BS S 55° 3' 06" E and run  
 Edge of sea wall. 25 to water  
 A 54° 46' W 100' 3.5 ft to sea wall 25 W

Tower 100 BS S 54° 46' E run N 11° 28' W  
 100' @ 45° water 6 R. @ 100. Sea wall 3 R  
 Edge of bank 15 to water

Tower 100 BS S 11° 28' E run  
 N 6° 21' W 100 - 10 from brink to water

Tower 100 BS S 6° 21' E & run  
 N 7° 03' W 100' on brink water 10'

Tower 100 BS S 7° 03' E and run  
 N 13° 47' W 100' water 15 ft

From 100 to the SE cor of the 107 ft  
 tract is 96.65 - 10 ft from wall

on N line Sec 33

From hut on top chain E 20 ft to water  
at about 18 spikes on line 13.1 S of IM on  
shore. From spike on top chain west  
along N line Sec 33 - 207.4 to W  $\frac{1}{16}$  cor

PM

Easter Sunday go to Office  
check the S & W boundary lines  
of Port Lot 3 - Sec 33 - 137-29  
the check out OK.

Apr. 25 -

Yert & I drive to Lake Ado  
where we meet AA and A Boohm  
They show us the changes they want  
made and give me a check for \$133.35

April 26 -

Yert & I to Brainerd where  
I get 108 irons pay \$21.65 for them



Sat. April 27

Don Ed. John + I to Lake Ada  
we stop at W  $\frac{1}{4}$  on N 1 in  
Sec. 33-

When we turn in pits at  
W  $\frac{1}{4}$  so as to not lose  
the point when bull fence  
makes road.

Back Pin. 20 N about 15 W 17:43 1/4"

" " 16 S + 16 E 13:2"

drive around to E side Ed takes  
IM and walks S and drives IM  
at spike in Center of sec 33.

Fig course of back line

E line run S. 0° 15' 45" E 300 ft

Sine 00458125  $\times 300 = 1.37$

Cosine 99999967  $\times 300 = 299.9999$

Lake shore run

N 82° 40' W 200

Sine 991820  $\times 200 = 198.36$  W

Cosine 127642  $\times 200 = 25.53$  N

N 81° 23' W 100

Sine 988713  $\times 100 = 98.87$  W

Cosine 149823  $\times 100 = 14.98$  N

N  $74^{\circ}53'W$  200 ft to NW cor Lot 18  
 Sine  $963397 \times 200 = 193,08 W$   
 Cosine  $260783 \times 200 = 52,16 N$

N  $67^{\circ}46'W$  300

Sine

Cosine

From NE cor Lot 13 site on NE cor Lot 15  
 Turn  $91^{\circ}23'$  and run bet lots 13-14  
 300 ft

SE cor Lot 18 =	00	
NE " " =	N 300	W 137
	2553	
NW " "		19836
	32553	19973
	1478	9887
	34031	29860
	52.16	19308
	392.67	49168 W

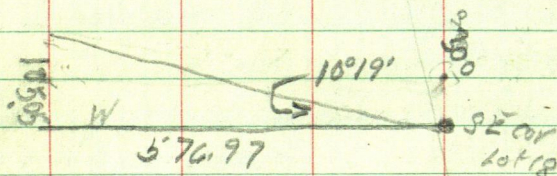
From NE cor of lot 13 run  $S 16^{\circ}31'W$   
 bet lots 13+14

Sine  $284294 \times 300 = 85,29 W$   
 Cosine  $958737 \times 300 = 287,62 S$



89°40

392.67 N	491.68 W
287.62 S	85.29 W
<u>105.05 N</u>	<u>576.97 W</u>



576.96 / 105.05 = .1820718

89°40'  
10°19'  
79°46'

79°46'  
?

Street line from SE cor lot 18  
to over lot 300 S. to N 0°15'45" W  
and run N 79°46' W - (79°46' reads)

16°30'

cosine 95882 into 30' = 31.3

Back line of lots

at 120' at 60' apiece @ 190' center  
surp 720' apiece + 240' apiece  
+ 120' + 20' to surp -  
= + 107' apiece on own N + S

Still at AP bet lots 13-14  
 ran N  $67^{\circ} 40' W$  @ 120-240-360 equid  
 lot corners

Fig

S.  $79^{\circ} 46' E$  240

Sine 984092 x 240 = 236.18 W

Cosine 177667 x 240 = 42.64 S

NE cor lot 13-22 N 340.51 + W 298.60

SE " " 15 " N 62.41 - 340.79 W

340.79 W      340.51 N

298.60 W      62.41

42.19 W      278.10 S

$.15170801 = 8^{\circ} 38'$   
 278.10 / 42.19.0  
 27810  
 14380  
 reads  
 $8^{\circ} 43'$

SE cor lot 10-13 264.82'S + 140.79 W

of NE cor lot 10

$.5316441 = 28^{\circ}$   
 264.82 / 140.79.0



Sunday Apr 28-1957

Don - Ed + I L. Walker stop  
at Y get rolls + socks - 4 pair 69¢ pair  
stop at Hackensack get Gas-oil  
\$3.60 on to Lake Adg.

Tower NW cor Lot 17 Site N  $82^{\circ}46'$   
W on IM + run S.  $0^{\circ}55'W$  lat IM  
SW cor lot 18 in center from IM on shore  
chain S at 180 enter low swamp land  
@ 293.5 IM

Move T to NW cor lot 16  
BS S  $82^{\circ}46'E$  and run S  $4^{\circ}46'W$   
@ 210 enter swamp at 285.5 IM.

Tower AP, bet lots 10-11  
set pt for IN Angle  $81^{\circ}35' = 30.30'$   
struct line

T still at AP, SW cor Lot 11  
run N  $50^{\circ}51'W$  @ 130-260 - 390  
at 544 intersect W  $\frac{1}{2}$  line

SE angle of W  $\frac{1}{2}$  line with stake line  
 $50^{\circ}35'$

$$\begin{array}{r} 390 \\ 154 \\ \hline 544 \end{array}$$

$$\begin{array}{r} 898.60 \\ 68.33 \\ \hline 390.26 \end{array}$$

from  $\frac{1}{16}$  center NW  $\frac{1}{4}$  Sec 33  
chain N @ 120 feet @ 300 min.  
@ 347.80 N intersection of Lot lines

$$1324.47$$

$$347.80$$

976.67 S intersection point of Lot lines

$$10057$$

$$976.67$$

$$\hline 28.33$$

After show I go to court house  
and check figures

$$1324.47$$

$$347.80$$



Mon April 29-1957

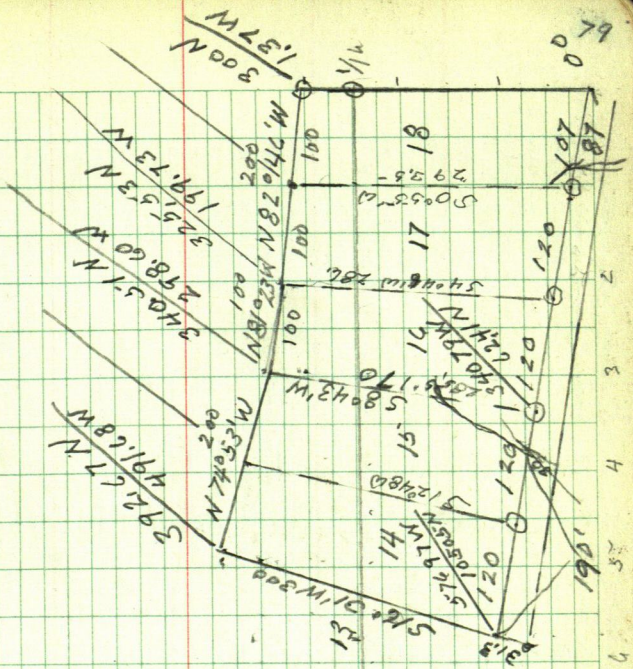
Ed & Bob. stay home from school  
and go with me to Lake Ada  
from hub. on W<sup>1/2</sup> line  
chain S 128.67 set spikes  
+ 110 + 110 + 105 + 105 + spikes

we set up on before said spikes  
Turn 90° and set spikes E 12.5 + W 12.5  
P.M.

We go to NE corner Lot 6 with R.  
12  
site N 11°28' W on old lot cor which is to  
be moved. and run N 14°12' W 75 ft.  
Tower 75. BS S 14°12' E & run  
N 6°51' W 100' W 15' R  
Tower 100 BS S 6°51' E and run  
N 4°23' W 100 - W 9 R  
Tower 100 BS S 4°23' E and run  
N 14°33' W 100 - 15 W. R  
Tower 100 BS S 14°33' E and run  
N 6°55' W 100 - W  
Tower 100 BS S 6°55' E & run  
North 129.1 NE cor lot 1

$N\frac{1}{2}$  line

W0.02 1/2 S



107



229.25

239.9

9

179.9

4

175.9

50

225.9

65

160

95

999999<sup>222</sup>5  
300

499,9998500

458125  
3

137437500

209.8

225.9

2088

434.7

4200 <sup>.001</sup>  
5,130

576.96

105.05

31.28

122

95882

3

287646

30,00000

287646

123540

190882

275580

191764

838160



# 125 DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

Roadway 16 feet wide. Side Slopes 1 on 1½  
For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4	0
1	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	1
2	11.0	11.2	11.3	11.5	11.6	11.8	11.9	12.1	12.2	12.4	2
3	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.6	13.7	13.9	3
4	14.0	14.2	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	4
5	15.5	15.7	15.8	16.0	16.1	16.3	16.4	16.6	16.7	16.9	5
6	17.0	17.2	17.3	17.5	17.6	17.8	17.9	18.1	18.2	18.4	6
7	18.5	18.7	18.8	19.0	19.1	19.3	19.4	19.6	19.7	19.9	7
8	20.0	20.2	20.3	20.5	20.6	20.8	20.9	21.1	21.2	21.4	8
9	21.5	21.7	21.8	22.0	22.1	22.3	22.4	22.6	22.7	22.9	9
10	23.0	23.2	23.3	23.5	23.6	23.8	23.9	24.1	24.2	24.4	10
11	24.5	24.7	24.8	25.0	25.1	25.3	25.4	25.6	25.7	25.9	11
12	26.0	26.2	26.3	26.5	26.6	26.8	26.9	27.1	27.2	27.4	12
13	27.5	27.7	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.9	13
14	29.0	29.2	29.3	29.5	29.6	29.8	29.9	30.1	30.2	30.4	14
15	30.5	30.7	30.8	31.0	31.1	31.3	31.4	31.6	31.7	31.9	15
16	32.0	32.2	32.3	32.5	32.6	32.8	32.9	33.1	33.2	33.4	16
17	33.5	33.7	33.8	34.0	34.1	34.3	34.4	34.6	34.7	34.9	17
18	35.0	35.2	35.3	35.5	35.6	35.8	35.9	36.1	36.2	36.4	18
19	36.5	36.7	36.8	37.0	37.1	37.3	37.4	37.6	37.7	37.9	19
20	38.0	38.2	38.3	38.5	38.6	38.8	38.9	39.1	39.2	39.4	20
21	39.5	39.7	39.8	40.0	40.1	40.3	40.4	40.6	40.7	40.9	21
22	41.0	41.2	41.3	41.5	41.6	41.8	41.9	42.1	42.2	42.4	22
23	42.5	42.7	42.8	43.0	43.1	43.3	43.4	43.6	43.7	43.9	23
24	44.0	44.2	44.3	44.5	44.6	44.8	44.9	45.1	45.2	45.4	24
25	45.5	45.7	45.8	46.0	46.1	46.3	46.4	46.6	46.7	46.9	25
26	47.0	47.2	47.3	47.5	47.6	47.8	47.9	48.1	48.2	48.4	26
27	48.5	48.7	48.8	49.0	49.1	49.3	49.4	49.6	49.7	49.9	27
28	50.0	50.2	50.3	50.5	50.6	50.8	50.9	51.1	51.2	51.4	28
29	51.5	51.7	51.8	52.0	52.1	52.3	52.4	52.6	52.7	52.9	29
30	53.0	53.2	53.3	53.5	53.6	53.8	53.9	54.1	54.2	54.4	30
31	54.5	54.7	54.8	55.0	55.1	55.3	55.4	55.6	55.7	55.9	31
32	56.0	56.2	56.3	56.5	56.6	56.8	56.9	57.1	57.2	57.4	32
33	57.5	57.7	57.8	58.0	58.1	58.3	58.4	58.6	58.7	58.9	33
34	59.0	59.2	59.3	59.5	59.6	59.8	59.9	60.1	60.2	60.4	34
35	60.5	60.7	60.8	61.0	61.1	61.3	61.4	61.6	61.7	61.9	35
36	62.0	62.2	62.3	62.5	62.6	62.8	62.9	63.1	63.2	63.4	36
37	63.5	63.7	63.8	64.0	64.1	64.3	64.4	64.6	64.7	64.9	37
38	65.0	65.2	65.3	65.5	65.6	65.8	65.9	66.1	66.2	66.4	38
39	66.5	66.7	66.8	67.0	67.1	67.3	67.4	67.6	67.7	67.9	39
40	68.0	68.2	68.3	68.5	68.6	68.8	68.9	69.1	69.2	69.4	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 41.9. For same slopes but other widths of roadbed correct above figures by one-half difference in width of roadbed; thus in example above for 20 ft. roadbed distance will be  $41.9 + (20 - 16) \div 2$  or 2 ft. added to 41.9 = 43.9. For slopes of 1 on 1 see inside of front cover.