

CORNER
RESTORATION
T141 N R31 W

MINING TRANSIT BOOK

369 A

BOOK 4

MINING TRANSIT BOOK

Field Book #4

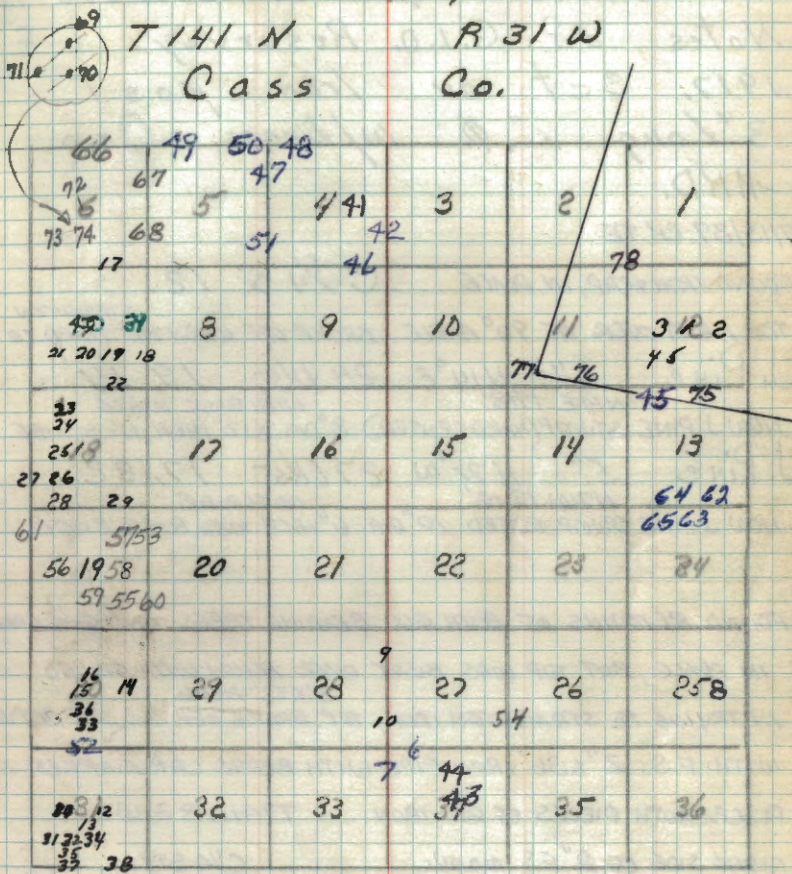
USFS

T 141 N

R 31 W

Cass

Co.



Colored Numbers refer to
Page, on which Notes for
That Corner May Be Found.

Center Quarter Cor. Sec 12
Notes of G.L.O. Resurvey of
1917. Set an Iron post
3' long 1" ϕ w/brass Cap
MKD.

7113/87 CK TE

FOUND IRON & CAP, IN PLACE C 1/4 S 12.

TOP BENT OVER AT 90° ANGLE - BROKE OFF WHEN WE TRIED TO STRAIGHTEN

J. Pine 5" N14°E 29 LKs - 19.14'
N14E 19.18' WITH BASE BLAZE
NOW J. PINE STUMP (HARD CENTER) 8" DIA. X 12" HIGH NO SCRIBE

J. Pine 5" N71°W 27 LKs - 17.82'
N71W 19.14' NO SCRIBE
NOW J. PINE STUMP ROTTED 10" DIA. 6" HIGH WITH BASE BLAZE.

FOUND REMAINS OF BOTH GLO BEARING TREES AND GLO IRON

IN PLACE, BUT TOP WAS BENT OVER FLUSH WITH GROUND

IN TRYING TO STRAIGHTEN IRON, TOP BROKE OFF, SO WE REPLACE
8" X 28" PIECES

WITH F.S. 2" X 36" IRON PIPE WITH BRASS CAP MARKED

PLACE BOTH PIECES OF GLO IRON T14IN R31W

ALONG SIDE OF 2" F.S. MONU. C 1/4 S 12

TAGGED BOTH GLO BT'S STUMPS 1987

MARKED NEW BT'S. RLS NO 11395

W. OAK 6 S6E 49.53' MKD C 1/4 S 12 BT

W. OAK 6 N10W 24.33' MKD C 1/4 S 12 BT

W. OAK 9 N64E 47.05' MKD C 1/4 S 12 BT

SET 8' FGSP 4.0' NORTH OF MONU. WITH WARNING STICKER
LSM#130

Center East $\frac{1}{16}$ Cor. Sec. 12.

Notes of G.L.O. Resurvey of 1917.

Set an Iron post 3' long 1" ϕ
w/brass Cap MKD.

$\frac{E}{16}$

S12

1917

N. Pine 5" S14°E 10 Lks - 6.60'

Fd. no evidence

Poplar 6" N70°W 31 Lks - 20.46'

Fd no evidence

4-17-85 CR-GR-JA

Fd. IRON & CAP AT BACKSTOP ON E SIDE OF HWY 371
70' E OF ϕ IN FRONT OF HOME
BRASS CAP IS ORIENTED TO WEST - STEEL SIGN POST
BESIDE IRON - CHAIN NORTH FROM E $\frac{1}{16}$ B.C. BET. SEC. 12+13
2619.54' GLO CHAIN FIT IRON GOOD FOR DISTANCE N+S
BELIEVE PINE STANDING NEAR BRASS CAP IRON PINE COULD BE 60 FT
NEED TO CHAIN FROM W AND CHECK DISTANCE

3 G-22
Center West $\frac{1}{16}$ Con Sec. 12.

Notes of G.L.D. Resurvey of 1917,
Set an iron post 3' long 1" ϕ
w/brass cap MKD.

(Found this iron post w/brass cap marking
corner)

← $\frac{W}{16}$ ←
S12
1917

Tam 4" N20°E 33 Lks - 21.78'

Now a Tam. stp. scribed "CW $\frac{1}{16}$ S12 BT" N20°E
21.78'

Tam 6" S78°W 41 Lks - 27.06'

(Now a Tam. stp. scribed " $\frac{1}{16}$ S12 BT" S78°W
27.06')

4-5-62 CRH/M

Tamarack

MKD CW $\frac{1}{16}$ S12 BT

Tamarack

MKD CW $\frac{1}{16}$ S12 BT

R.R. GRADE N28W-S28E - 188' E OF $\frac{1}{16}$ OF TRACK
7187 CK CAN SEE BT TAG ON TAM. SNAG FROM R.R. GRADE. TREE IS
NE OF IRON IN FLOODED BEAVER POND - SWAMP IS NOW FLOODED THAT
WE CAN'T GET TO CORNER! EVEN WITH HIP BOOTS - PROBABLY ON ICE IS ONLY
WAY TO USE OR FIND MONUMENT

4 H-22

South West $\frac{1}{16}$ Cor. Sec. 12.

Notes of G.L.O. Resurvey of 1917.

Set on iron post 3' long
1" ϕ w/brass cap MKD.

Found iron post w/brass cap marking corner

4-5-62 RHM

SW $\frac{1}{16}$ S12

1917

W. Pine 18" S56 $\frac{1}{2}$ °E 152 LKs (100.32')

(Now a 25" Red Pine S57°E 100.4' blaze facing corner scribe overgrown)

Poplar 12" S31 $\frac{3}{4}$ °W 138 LKs (91.05')

To perpetuate this corner I rescribed the

GLO Red pine and one new oak

Red pine 25" S57°E 100.4' Re-scribed "BT"

Oak 4" S49 $\frac{1}{2}$ °W 22.6' MKD X BT

4-5-62 R.A. McDonald

Affidavit RHM 5680-11

4-16-85 CR-JAGB
FD. IRON X CAP IN PLACE 8" ABOVE GROUND
ON SIDE SLOPE IN HEAVY BRUSH - 150' W OF
R.R. GRADE
MKD NEW BT

N. PINE 26 S33E 105.95' MKD SW $\frac{1}{16}$ S12 BT

GLO N. PINE S57E 100.4' SCRIBE CLOSED
IN GOOD CONDITION

1962 W. OAK 9 S49W 27.6' SCRIBE CLOSED
IN GOOD CONDITION

Placed a F.S.L.P. on a poplar on the west
side of the R.R. grade.

C.C. Done 5/15/85

8' STEEL SIGN POST SOUTH 4.45' BOTH SIGNS
" " " " EAST 3.80' " "

Angle Point

Notes of G.L.O. Resurvey of
1917. Set an iron post
3' long 1" ϕ w/ brass cap
M120.

9/3/84 - CK, GB

Fd. iron pipe with brass
cap set 8" above ground
in good condition.

AP4	AP3
TR	TR
1595	1594
512	
1917	

No. Accessories.

Mkd BT's:

- Norway Pine 18' $S34^{\circ}W$ 35.13 AP 512BT
- Norway Pine 20' $S20^{\circ}W$ 41.00' AP 512BT

No other good trees available.

TIES BETWEEN SW^{1/4} & AP#3 & AP#4

FROM SW^{1/4} EAST

159'	R.R. TRACK N12W-S12E
400.6'	OLD MILL FOUNDATION NW-SE 80'x30'
544'	AN OLD GRADE NW-SE
628'	WAGON ROAD N+S
664'	FENCE N+S
687.7'	AP IRON

Chained from SW^{1/4} east. Found corner approx 35'
south of line and at about 690'. (Hilly terrain)
Corner falls about half way up a slope.
Old down wire runs east.
Wire corner approx. 25' west of corner and runs north.
C.C. Done 5/15/85

6 V-14

West $\frac{1}{16}$ Corner Sections 27-34

From a plat of Survey by John M Greene
in 1928 - Cass Co. Surveyor

Iron monument (found a 2" outside
dia. Iron pipe marking corner.)

4-3-62 RHM

Set a 6" dia. 5' Long cylindrical concrete
monument capped with a 3" dia. bronze
tablet stamped:-

T141NR31W
W $\frac{1}{16}$ S 27
S 34
1962
RLS NO 3628

Marked new bearing trees:-

Red pine 9" S20°E 10.15' MKD W $\frac{1}{16}$ S 34 BT

Red pine 12" N73 $\frac{1}{2}$ °W 21.6' MKD W $\frac{1}{16}$ S 27 BT

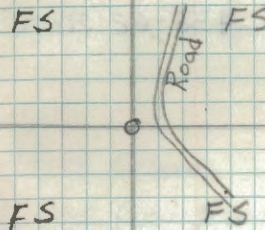
4-25-62 R.H. McDonald

"72" steel sign post N25°E - 44' w/ sign 344
attached 6-17-63 who

Affidavit RHM 5680-11

6-17-63 who

27



34

7 W-13

North 1/16 Corner Sections 33-34

From the plat of a survey by John M. Greene Cass County Surveyor in 1928. Plat on file in Cass County Courthouse.

Iron monument (Found a 2" outside dia. iron pipe marking corner) 4-3-62 RHM

Set a 2" inside diameter, 5' long galvanized wrought iron pipe filled with concrete & capped w/ a 3" dia. bronze tablet stamped:-

T141N R31W
N 1/16
S 33 | S 34
1962
RLS NO 3628

Red Pine 17" $S 37\frac{1}{2}^{\circ} E$ ^{12.5'} ~~21.5'~~ MKD N 1/16 S 34 BT
Oak 10" $N 77^{\circ} W$ 21.2' MKD N 1/16 S 33 BT
72" steel sign post ^{del} North $\frac{1}{4}$ w/ signs
54-2 & 54-9 attached.

6/26/62 G.H. McDonald

Affidavit RHM 5680-11

6-17-63 *W. L. ...*

Private

FS

marsh

FS

FS

33

34

10-28-98 R MAIN

Fd 1962 CORNER IN GOOD CONDITION. RPINE BT NOW 21" DBH. W. OAK BT NOW 12" CLEAR CUT SOUTH E EAST OF CORNER. MIXED HARD WOOD & SCATTERED MATURE R. PINE NORTH WEST.

4-23-08 R MAIN

1962 RPINE BT NOW A 10' TALL SNAG. 1962 OAK IS NOW 13". ADD BT AND GPS IRON

W OAK 5" $N 23^{\circ} E$ 12.25 FT TO ~~MARK~~ MKD: X BT NAIL

8 T-24

Center East 1/4 Section 25

Notes of Cass County Surveyor E.B. Horst
in 1920 - See Cass Co Record book C
& survey plat filed in Co. Courthouse.

Iron monument (Found a 2" outside dia.
iron pipe marking corner) This is at
a very old fence corner. 4-4-62 RHM

Set a 2" inside diameter 5' Long galvanized
wrought iron pipe filled with concrete
& capped with a 3" diameter bronze
tablet stamped:-

T141N R31W

CE 1/4

S 25

1962

RLS No 362B

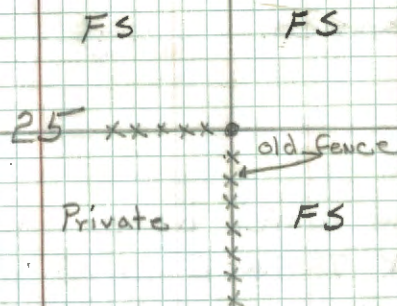
Oak 6" N30°W 16.7' MKD CE 1/4 BT

Ash 6" S71°E 35.65' MKD CE 1/4 BT

Steel sign post 72" Long set 24" in
ground with signs 54-2 & 54-4 attached
West 2.2' 6-25-62 G.H. McDonald

Affidavit RHM 5680-11

6-17-62
shwls



5-18-81 B. Olson Monument & Bts OK
ONE NEW BT

10" Birch N21°E 16.9' MKD, CE 1/4 S25 BT

9 S-13

North $\frac{1}{16}$ Corner Sections 27-28

Survey by Peter J Meyer in 1961

set by single proportional measurement
a 2" inside dia. 5' long galvanized
wrought iron pipe filled with concrete
and capped with a 3" dia. bronze tablet
stamped:

T 41 N R 31 W

N $\frac{1}{16}$

S 28 | S 27

1961

RLS NO 3628

From which bears

Oak 7" S 68° E 16.65' MKD BT

Jack pine 13" N 25° E 35.85' MKD BT

Cedar post 4" x 4" x 6.5' penta-treated
and with red top S 1° E 104.5'

Affidavit + 5680-11

10 21-13

South $\frac{1}{16}$ Corner Sections 27-28

From a Survey by Peter J. Meyer in
1961. By single proportionate measure
set a 2" inside dia. 5' long galvanized
wrought iron pipe filled with concrete
and capped with a 3" dia. bronze tablet
stamped:-

T141NR31W

S $\frac{1}{16}$

S28 | S27

1961

RLS NO 3628

From which bears:

Oak 13" N12 $\frac{1}{2}$ °W 55.7' MKD $\frac{1}{16}$ S28 BT

Oak 14" N47°E 74.7' MKD $\frac{1}{16}$ S27 BT

Cedar post 4" x 4" x 6.5' penta-treated
and with red top North 58.17'

Affidavit + 5680-4

" X-~~3~~# 1, 2

S.M.C. Section 31 on East West Center
Line on West bank of Howard Lake
Remonumented by Harold Curo Cass County
surveyor in 1959

2 $\frac{3}{4}$ " x 60" capped monument Filled w/ concrete

ELm 14" S63°36'W 45.75' MKD S31 T14 R31

ELm 6" S84°33'W 46.50' MKD S31 T14 R31

White Pine 14" S59°14'E 14.95' MKD S31 T14 R31

Found

ELm 15" S70°W 44.75

Ash 6" West 46.5

White Pine 10" S55°E 14.95'

ATM Small

Affidavit + 5680-4

12 X-3,4

SMC on E-W $\frac{1}{4}$ Line Section 31 on East
Bank of Howard Lake. 78.5' East of C $\frac{1}{2}$
Remonumented by Cass County Surveyor
Harold Curo in 1959

2 $\frac{3}{4}$ " x 60" capped monument Filled w/ concrete

ELm 6" N29°45'E 10.80' MKD S31 T14R31

ELm 12" N74°23'E 41.00' MKD S31 T14R31

White Pine 9" S24°03'W 9.00' MKD S31 T14R31

Found: Brass Cap set by Curo & -

White Pine 15" S3 $\frac{1}{2}$ ° W 32.2'

White Spruce 15" S65°E 3.9'

White Spruce 9" N2°W 23.95'

A fence runs alongside corner fence est.
to be 30 years old.

I set a 72" long metal sign post 24" in
ground with signs 54-2 & 54-4 attached
S79°W 2.45'

7-20-62 R.H. McDonald

Affidavit + 5680-11

13 X, Y - 3

SMC on the N-S $\frac{1}{2}$ of Sec 31 252.7 ft.

south of the Center $\frac{1}{4}$ Sec 31

Remonumented by Cass County Surveyor

Harold Curo in 1959

set a 2 $\frac{3}{4}$ " x 60" capped monument filled
with concrete.

From which bears:-

White Pine 14" S 3° 19' E 32.20' MKD S 31 T 41 R 31

Spruce 14" S 75° 30' E 3.90 ft. MKD S 31 T 41 R 31

Spruce 8" N 8° 11' W 23.95' MKD S 31 T 41 R 31

Found: Brass cap set by Curo & -

Balsam S 30° W 8.0' MKD S 31 T 41 R 31 BT

Ash N 81° E 41.0' " " " "

Ash N 35° E 10.8' " " " "

I set a 72" long steel sign post 24" in
ground with signs 54-2 & 54-4 attached
North 2.8' 7-20-62 RHM Donald

Affidavit + 5680-11

14 T-4, 5

SMC East bank Howard Lake on E-W
center line of Sec. 30

Remonumented by Cass County Surveyor
Harold Curo in 1959
set a $2\frac{3}{4}$ " x 60" capped monument filled
with concrete

ELm 16" N $1^{\circ}48'E$ 54.30' MKD S 30 T 141 R 31

ELm 12" N $49^{\circ}53'E$ 46.00' MKD S 30 T 141 R 31

White Pine 20" S $50^{\circ}57'E$ 42.50' MKD S 30 T 141 R 31

Affidavit + 5680-11

15 T-2, 3

S.M.C. West of Howard Lake on E-W
center line of Sec. 30 T141R31

Remonumented by Cass County surveyor
Harold Curo in 1959
a 2³/₄" x 60" capped monument filled with
concrete

A 4"x4"x100" cedar post N 18°37'W 18.60' MKD S30 T141
" " " " " S 13°31'W 16.80' MKD S30 " "

I found the 2" inside dia. iron pipe with
brass cap stamped

T141R31
S
C 30 | c SMC
1959
RLS NO 3417

From which bears

Cedar post S 20¹/₂°W 16.80'

Cedar post N 77¹/₂°W 18.3'

Affidavit # 5680-11

16 S, T-3

SMC on N-S center line of Section
30 1st corner north of center

Remonumented by Cass County Surveyor
Harold Curo in 1959
set a 2³/₄" x 60' capped monument filled
with concrete.

A 4" x 4" x 60" cedar post N 45° 19' E 19.30' MKD 530714R31
" " " " " N 14° 23' W 20.20' " " " "

Found the 2" inside dia. iron pipe with brass
cap stamped

T141R31
C
S | 30
C
SMC
1959
PLS NO 3417

From which bears
Cedar post N 7° W 20.5'
Cedar post N 52¹/₂° E 19.3'
9-17-62 R.H. McDonald

Affidavit + 5680-11

17 E-4

East 1/4 Cor. Sec. 6 & 7
 Notes of Cass County Surveyor
 Cora of 1915.

Iron Monument.

FOUND 2" 00 X 48" LONG CAPPED MONUMENT
 IN PLACE

TO PERPETUATE THIS CORNER I SET 2" DIA. X 5' LONG
 GALVANIZED STEEL PIPE - WITH CONCRETE INSIDE
 CAPPED WITH 3" DIA. BRASS TABLET MARKED

T141NR31W

E 1/16 56
 57
 1978

WITNESSED BY

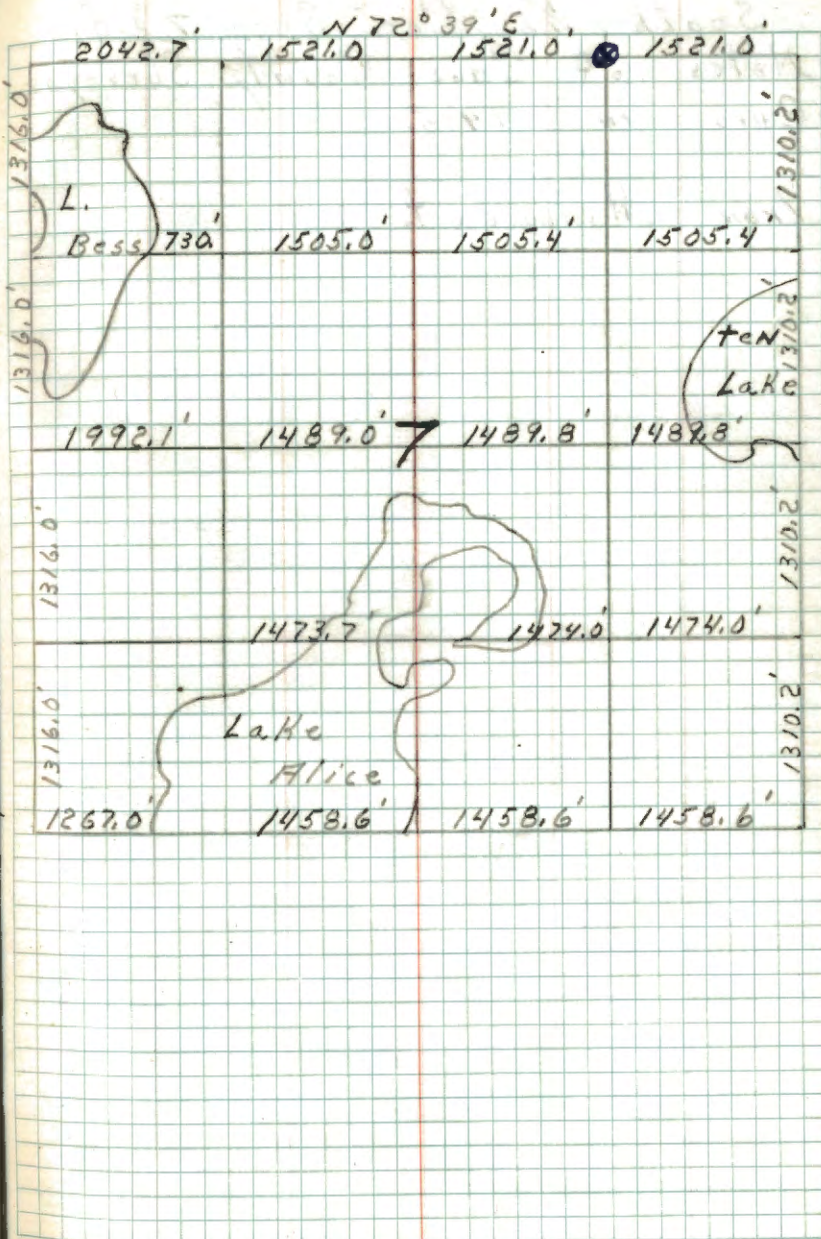
RLS NO 12261

W. OAK 5 S89E 42.33' MKD E 1/16 S 7 BT
 ROCK 42" X 42" X 10" HIGH N60W 10.75' MKD X ON TOP
 PAINTED RED AROUND X ON ROCK

SET 8' STEEL POST DUE WEST 1.6' WITH FS
 SIGN 54-4

6-1-78

Curtis R. Keenan



South $\frac{1}{2}$ Cor. Sec. 738
Notes of Cass County Surveyor
Curo in 1915.

Iron Monument.

South East $\frac{1}{6}$ Cor. Sec. 7
Notes of Cass County Surveyor
Coro in 1915.

Iron Monument.

20 H-3

Center South $\frac{1}{4}$ Cor. Sec. 7
Notes of Cass County Surveyor
Curo in 1915.

Iron Monument. (Found a 2" inside
dia. capped iron pipe marking corner.)
Found by chaining North from the $\frac{1}{4}$ cor.
sec's 7-18 as per co. plat. Corner is
25 feet West of a N-S Fence Line)

Set a 6 inch diameter 5 foot long cylindrical
concrete monument capped with a 3 inch dia.
bronze tablet stamped

T141N R31W
S $\frac{1}{6}$ | S7
C
1962
RLS No 362B

From which bears

Oak 8" N17°E 14.9' MKD C S $\frac{1}{16}$ BT

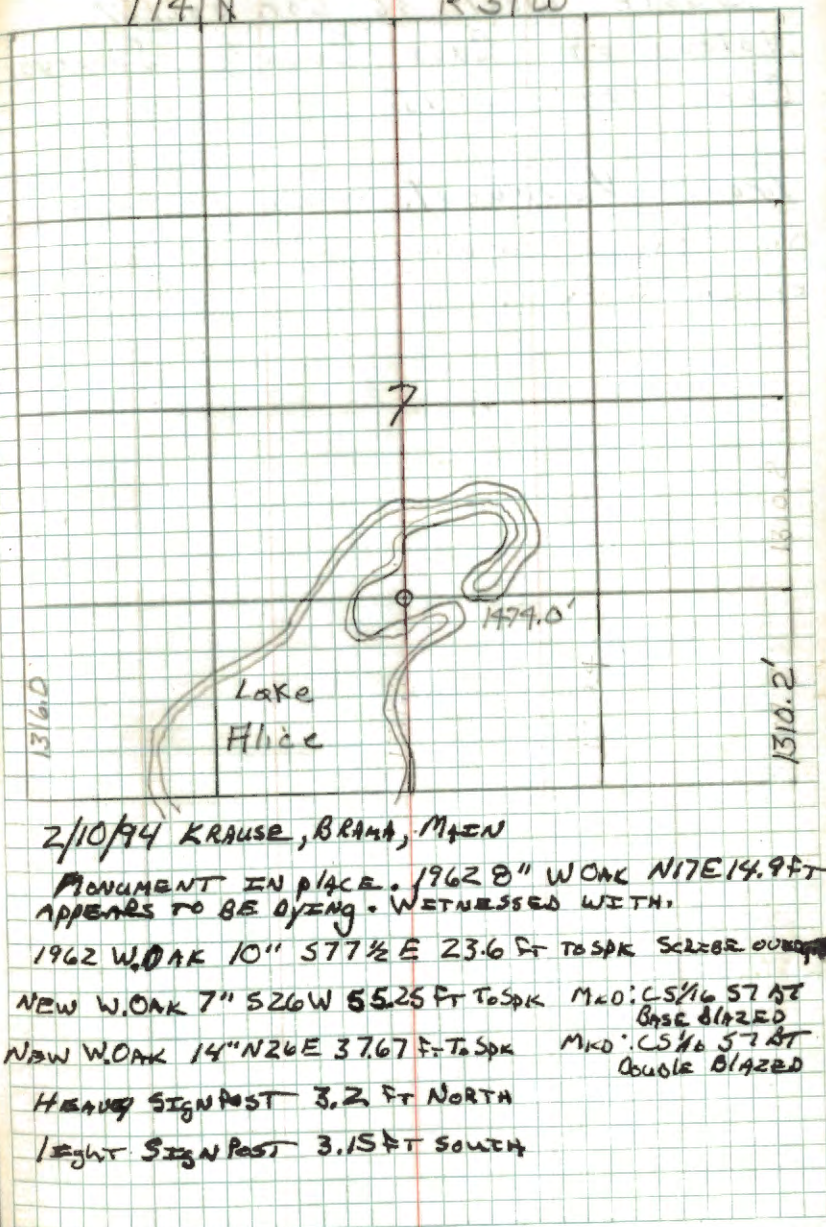
Oak 7" S77 $\frac{1}{2}$ °E 23.6' MKD C S $\frac{1}{16}$ BT

Steel sign post 72" long set 24" in ground
with signs 54-2 & 54-4 attached Due South
6.3 feet. 8-24-62 *R. H. Krause*

OK *RHM*
3/29/63

Affidavit RHM
T141N

R31W



2/10/94 KRAUSE, BRANK, MAEN

MONUMENT IN PLACE. 1962 8" W OAK N17E 14.9 FT
APPEARS TO BE DYING. WITNESSED WITH:

1962 W. OAK 10" S77 $\frac{1}{2}$ E 23.6 FT TO SPK SCRIBER OUT

NEW W. OAK 7" S26W 55.25 FT TO SPK MKD: C S $\frac{1}{16}$ S7 BT
BASE BLAZED

NEW W. OAK 14" N26E 37.67 FT TO SPK MKD: C S $\frac{1}{16}$ S7 BT
DOUBLE BLAZED

HEAVY SIGN POST 3.2 FT NORTH

LIGHT SIGN POST 3.15 FT SOUTH

South west $\frac{1}{4}$ Cor. Sec. 7
 Notes of Cass County Surveyor
 Curo in 1915

Iron Monument. Found $\frac{1}{2}$ dia
 iron pipe marking corner found
 by chaining north

East $\frac{1}{2}$ Cor. Sec. 7-18
Notes of Cass County Surveyor
in 1915.

Iron Monument.

23 JH-2

Special Meander Cor. Sec. 18
 South Shore Lake Alice,
 ON West $\frac{1}{16}$ Line
 Notes of Cass County Surveyor
 Curo IN 1915.

Iron Monument. (Found a 2" dia.
 iron pipe marking corner - on South
 shore of Lake Alice on West $\frac{1}{16}$ Line)

Set a 6" diameter 5' long cylindrical
 concrete monument capped with a
 3" dia. bronze tablet stamped:-

T141NR31W

S.M.C.

W

S

W

1962

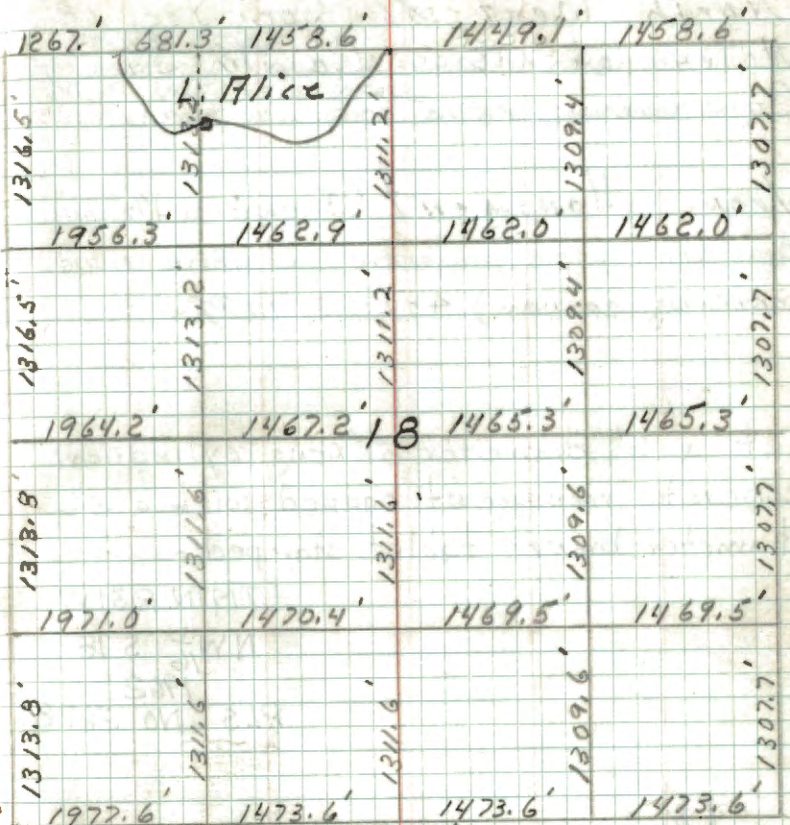
RLS NO 3628

JKM
 9/6/62

Jack pine 10" S11°E 27.8' MKO SMC S18 BT
 White pine 7" S78°W 12.95' MKO SMC S18 BT
 Steel sign post 72" Long set 24" in ground
 w/ signs 54-2 & 54-9 attached S40°E 9.1'
 8-24-62 J.A. McDonald

Affidavit RHM

R9-5680-11 JHE



N 71° 38' W

4-27-83 CK-GB

Fd. MONUMENT - IN PLACE - IN GOOD CONDITION
 W. PINE BT HAS DEAD TOP
 J. PINE NOW 12" IN GOOD SHAPE - SIGN POST OK

24 K-2

North West $\frac{1}{16}$ Cor. Sec. 18
Notes of Cass County Surveyor
Curo in 1915.

Iron Monument (Found a $1\frac{1}{2}$ " inside
dia. iron pipe projecting 2' above ground
marking corner) 4-11-62 RHM

Set a 6" diameter 5' long cylindrical
concrete monument capped with a 3"
diameter bronze tablet stamped:-

T19IN R31W
NW $\frac{1}{16}$ S 18
1962
RLS NO 3628

MC
RHM
9/16/62

From which bears:-

Jack pine 10" N4°E 93.3' into NW $\frac{1}{16}$ S18 BT

Jack pine 12" N54°E 68.4' into NW $\frac{1}{16}$ BT

Steel sign post 72" Long set 24" in ground
w/ signs 54-2 & 54-4 attached South 2.86'

8-24-62 RHM (Conrad)

Affidavit RHM 28.4

N54E

4-27-83 CK-GB

Ed. MONUMENT - IN PLACE - IN GOOD CONDITION

J. PINE N4E 15 WINDFALL

OTHER J. PINE 15 IN GOOD SHAPE - SIGN POST OK

25 L-2

Center West. $\frac{1}{16}$ Cor. Sec. 18
 Notes of Cass County Surveyor
 Curd in 1915.

Iron Monument. (Found a $1\frac{1}{2}$ " inside
 dia. iron pipe beside a fence corner estimated
 to be 30 years old.) 4-11-62 RHM

Set a 6" diameter 5' Long cylindrical
 concrete monument capped with a 3"
 diameter bronze tablet stamped:-

T141NR31W
 CW $\frac{1}{16}$ C
 S 18
 1962
 RLS No 3628

OK
 JPM 3/27/63

Set a steel sign post 72" Long with signs
 54-2 & 54-4 attached South 2.5 feet

Jack pine 9" S 43° W 53.0' MKD CW $\frac{1}{16}$ BT

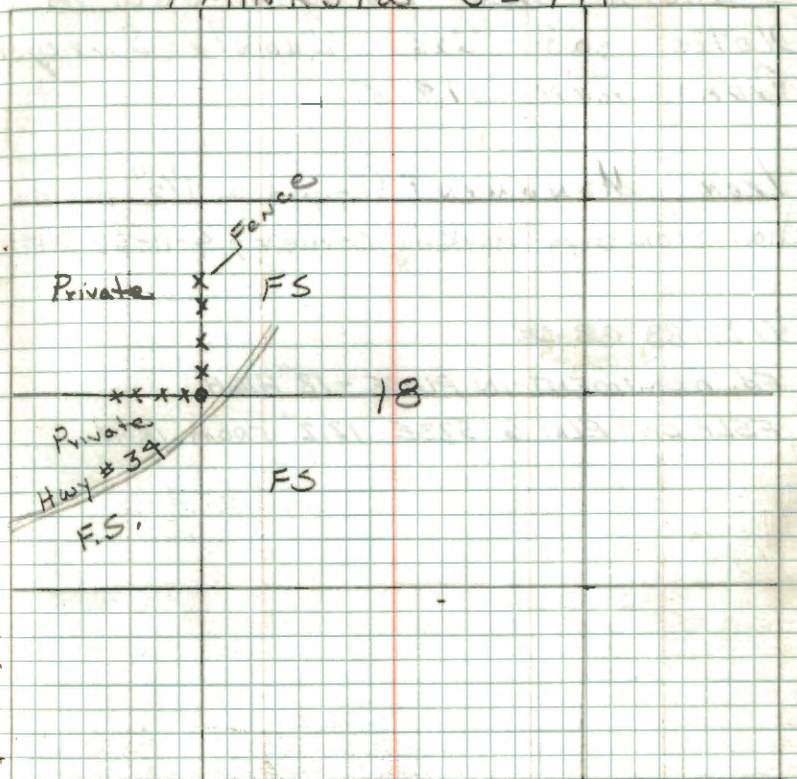
Oak 5" N 49° E 90' MKD X BT

5-17-62 RHM Donald

Affidavit RHM 5680-11

2.5'

T141NR31W 5th PM



4-27-83 GB
 Ed. MONUMENT - IN PLACE - 24" HIGH
 Ed. 10" W. OAK TAGGED TODAY
 Ed. 14" J. PINE " "
 Ed. 4x4 POST APPROX 40" NORTH W/FSLP
 POWERLINE 30' SOUTH OF COR.
 SKI TRAIL 15' SOUTH

26 M-2

South West $\frac{1}{4}$ Cor. Sec. 18
Notes of Cass County Surveyor
Curo in 1915.

Iron Monument (Found a $1\frac{1}{2}$ " inside
dia. iron pipe marking corner) 4-11-62 RHM

4127183 GB-CK

Ed. MONUMENT-IN PLACE - 18" HIGH

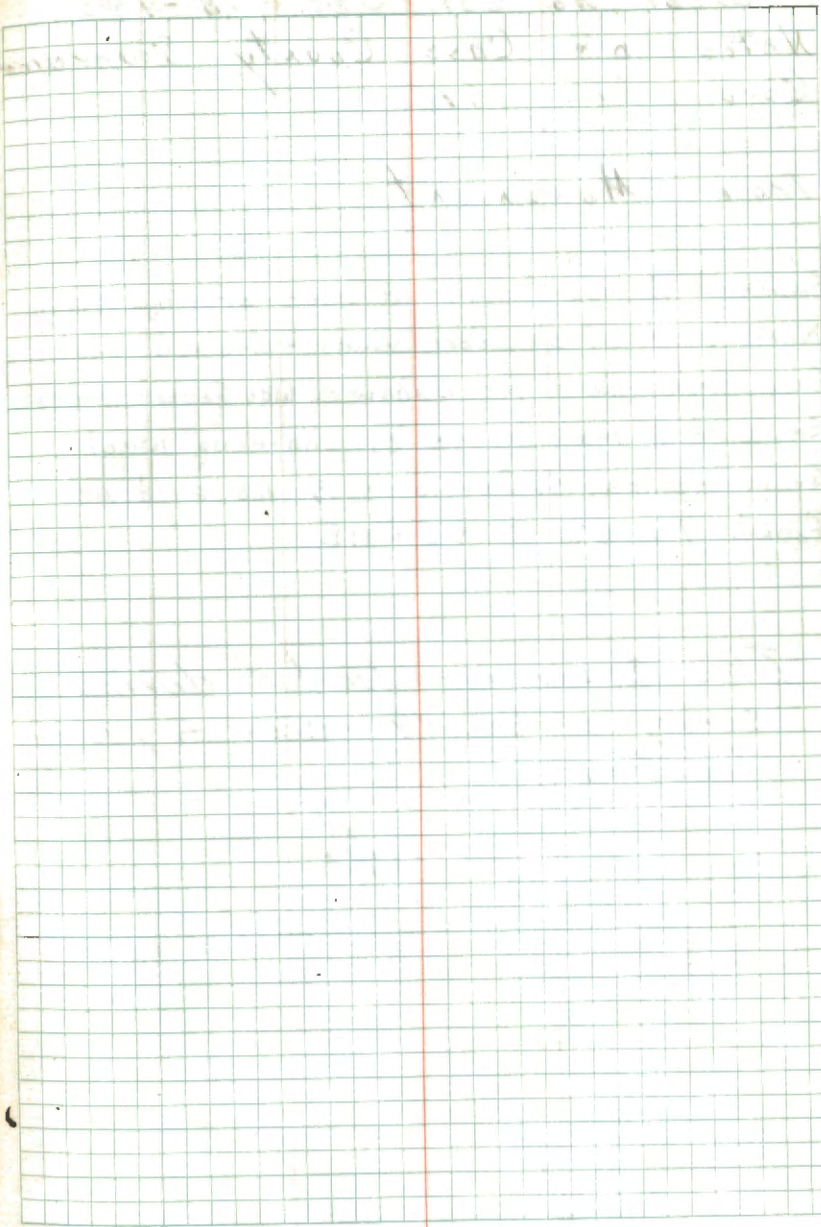
FSLP ON ELM 6 S23E 12.2' FROM IRON

R-9-5680-H

RHM

South $\frac{1}{4}$ Cor. Sec. 13-18
Notes of Cass County Surveyor
Curo 15. vii. 1915.

Iron Monument



28 N-2

West $\frac{1}{4}$ Cor. Sec. 18-19

Notes of Cass County Surveyor
Curo in 1915.

IRON MONUMENT

Searched 2 man hours at base of high ridge
North bank of shingabeer river - chained East
From Sec. Cor. No evidence was found 4-11-62

Searched 2 man hours by chaining West
From approx. $\frac{1}{4}$ Cor S 18-19 no evidence
Found 7-10-62 RHM & JHE

This corner was located during
survey of Sec 19 - close to proper
location

Who

5680-11RHM

29 N-4

East $\frac{1}{6}$ Cor. Sec. 18-19
Notes of Cass County Surveyors
Curo in 1915

Iron Monument (Found a $1\frac{3}{4}$ " dia.
98" Long iron pipe marking corner)
Found 2 F.S. metal location posters on
Aspen trees East of corner - giving location
put up in 1953 by AC & JEM. Corner is
on top of a ridge which runs East-West
7-10-62 RHM

Set a 2" inside dia. 5' Long galvanized
wrought iron pipe filled w/ concrete and
capped w/ a 3" dia. bronze tablet stamped

T14IN R31W

E1/6 S 18

E1/6 S 19

1962

RLS NO 3628

Oak 8" S44°W 37.9' mkd E1/6 S19 BT
Steel sign post 72" Long set 24" in ground
~~N33 $\frac{1}{2}$ °W 2.9'~~ North 3.0ft 5-3-71 CRK

7-17-62 R.H.M. Donald

RHM
9/6/62

5680-18

Affidavit
RHM

18



SEE PAGE 36 BOOK #5
FOR UPDATED INFORMATION

19

This corner found to be inaccurate
from F.S. survey of Sec 19

Reset monument 5-3-71

1 Witnessed by.

9" Red Oak S34°W 27.4 ft. scribed E1/6 S19 BT.
5" Aspen N88°W 20.7 ft. scribed E1/6 S18 BT.
11" Aspen N61°E 21.8 ft. scribed E1/6 S18 BT.

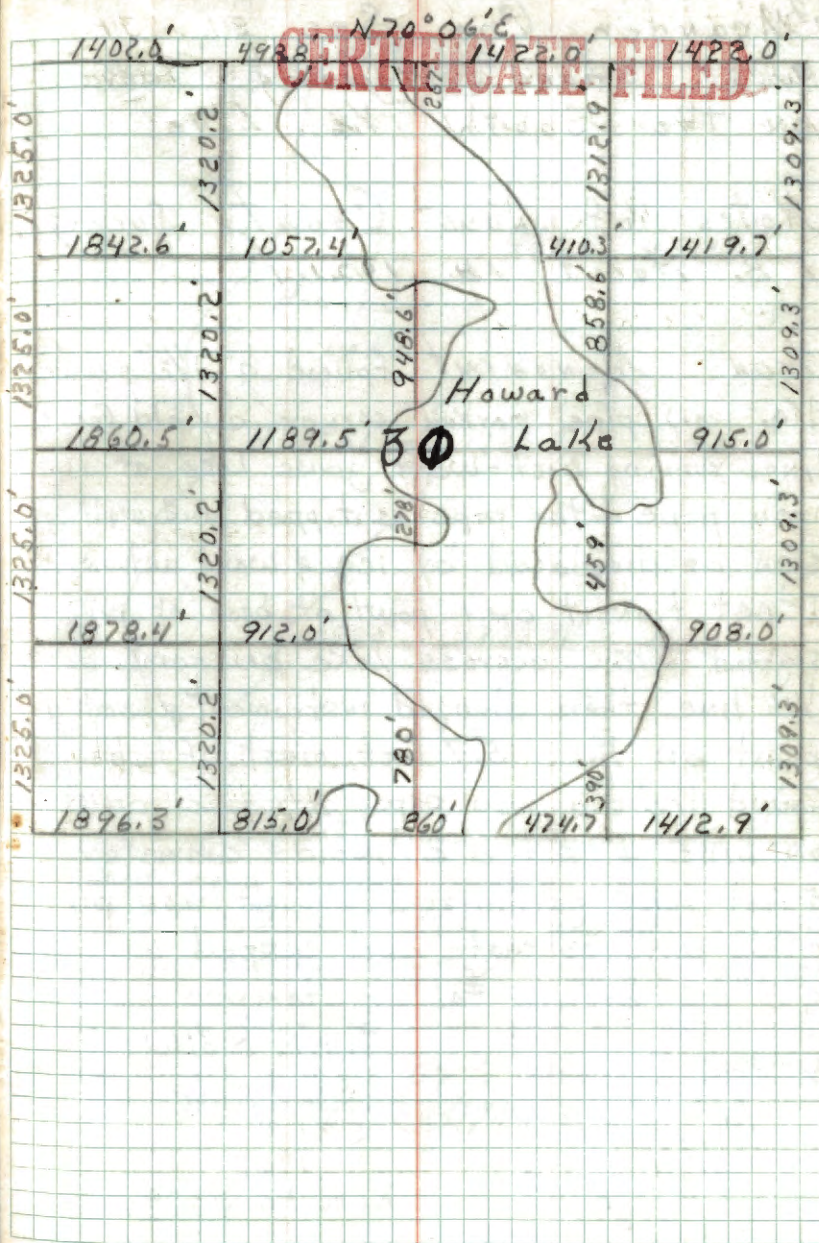
5-3-71

Curtis R. Hanna

Meander Cor. Sec 31
West Shore Howard Lake,
on the East west $\frac{1}{4}$
Line

Notes of Cass County Surveyor
E. B. Horst in 1921.

IRON MONUMENT
See Page 11



31 Special
Y-1/2 Meander Cor. Sec 31
West shore Howard Lake
on the South 1/16 Line

Notes of Cass County Surveyor
E. B. Horst in 1921.

Iron Monument. Found a 1 1/2" inside
dia. iron pipe marking corner. on old fence
line running East-West joins Lake at the
iron pipe. the pipe is tipped and will
soon be displaced by ice & wave action.
I set transit over point at base of pipe,
sighted SMC across lake on same South
1/16 line then plunged instrument & set a
point on line 5.7 feet west of the
found 1 1/2" dia. iron pipe. At this point
on line I set a 2" inside diameter
5 foot long galvanized wrought iron pipe
filled with concrete and capped with
a 3" dia. bronze tablet stamped:-

T191N R31W

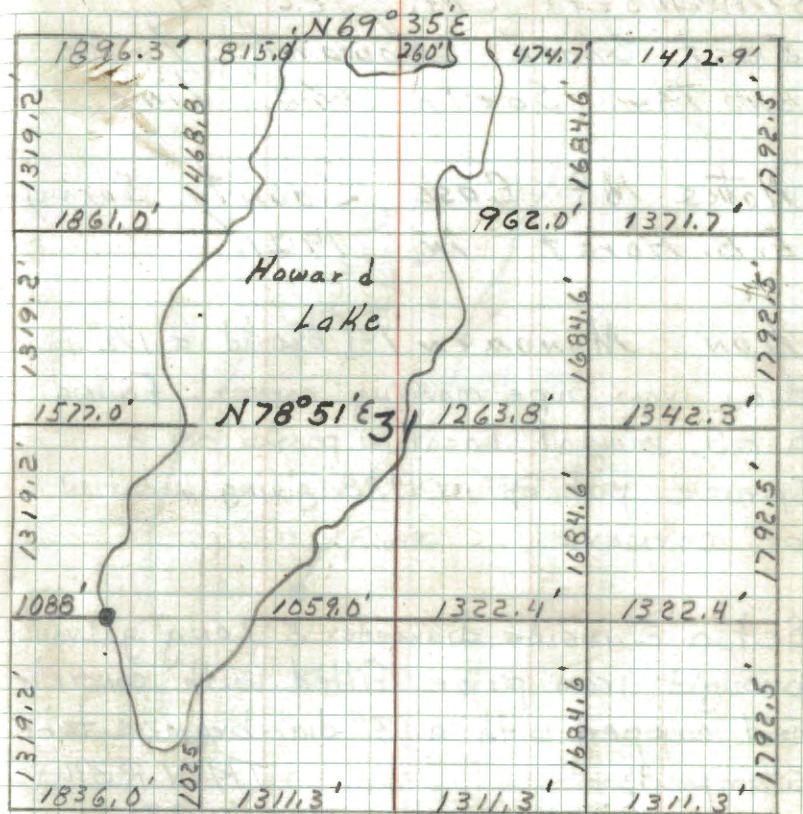
S 1/16 | S.M.C.
S31

1962

RLS. NO. 3628

JK
3/27/63

Affidavit
RHM



Marked new bearing trees:-

Fish 5" N 60° W 39.4' MKD SMC S31 BT
Elm 10" S 42° W 37.0' MKD SMC S31 BT
Steel sign post 72" long set 24" in ground
with signs 54-2 & 54-4 attached S 84° W 345'
7-18-62 RHM Donald

32 Special
K-23 Meander Cor. Sec 31
East Shore Howard Lake
on the South $\frac{1}{6}$ Line

Notes of Cass County Surveyor
E. B. Horst in 1921.

Iron Monument (Found a $1\frac{1}{2}$ " inside
dia. iron pipe marking corner. Found
a F.S. metal location poster on a
Spruce put up in 1938 giving location
of corner.

Set a 2" inside diameter 5' long galvanized
wrought iron pipe filled with concrete
and capped with a 3" dia. bronze tablet
stamped: -

OK
JMM 3/1/63

T41N R31W
S/S/S3/S
1962
RLS NO 3628

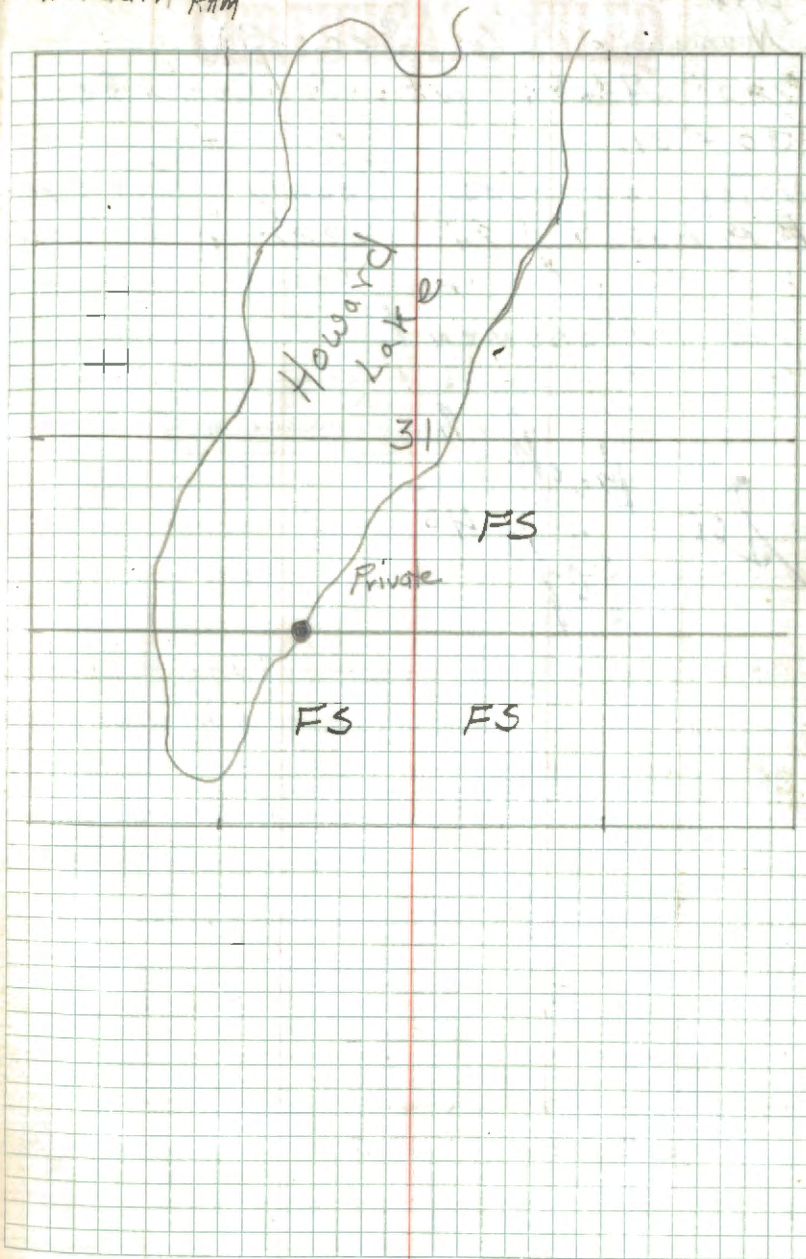
Red pine 15" N52°E 43.5' mko SMC BT

White spruce 16" S1 $\frac{1}{2}$ °E 13.8' mko SMC BT

Set a 72" long steel sign post 24" in ground w/
signs 54-2 & 54-4 N84°E 2.9'

7/18/62 R.H. McDonald

Affidavit RHM



33 26V-3

S. Meander Con. Sec. 30

780' North of $\frac{1}{4}$ Con. Sec.

30 - 31.

Notes of Cass County Surveyor

E. B. Horst in 1921.

Iron Monument.

See Book 3
Page 40

CERTIFICATE FILED

34Y-3

South Center $\frac{1}{16}$ Cor. Sec. 31
Notes of Cass County Surveyor
E. B. Horst IN 1921.

Iron Monument (Found a $1\frac{3}{4}$ " dia.
iron pipe marking corner. Found a
E.S. metal location poster on a Aspen
stub giving correct bearing & dist. to
corner S 22° W 10 Lks. poster put up
in 1938 by H. Johnson.)

Set a 2" inside diameter 5' long
galvanized wrought iron pipe filled with
concrete and capped with a 3" diameter
bronze tablet stamped. T14IN R31W

WJH/jm 3/27/63

S $\frac{1}{16}$ S31
1962
RLS. NO 3628

From which bears

Red pine 23" S 20° E 80.5' MKD CS $\frac{1}{16}$ S31 BT
Steel sign post 72" long set 24" in ground
with signs 54-2 & 54-4 attached S 82° W
Granite Boulder 5.0' x 4.0' x 3.0' South
edge of boulder is 12" below ground
and 0.2' North of corner. top of boulder
is level with ground

7-26-62 *WJH/jm* Donald

Affidavit RHM

3.7'

35 Special
YZ-2 Meander Cor. Sec 31

South Shore Howard Lake
on the West 1/6 Line.

Notes of Cass County Surveyor
E. B. Horst in 1921.

Iron Monument (Found a 1 3/4" dia.
iron pipe marking corner.)

Set a 2" inside diameter 5' long galvanized
wrought iron pipe filled with concrete and
capped with a 3" dia. bronze tablet stamped

OK
RHM 3/21/63

T14IN R31W

SMC

W
S 31

W

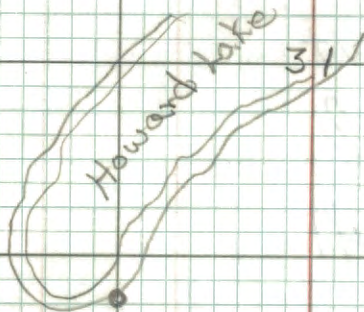
RLS 1962 NO 3628

Ash 6" S 2° W 51.5' MKD MC BT

Ash 8" N 88° E 74.5' MKD SMC BT

7-20-62 (RHM Donald)

Affidavit RHM set steel post



Private F.S.

36 2-2,3

Special Meander Cor. Sec. 30
N70°00'E 912.0' of South
West $\frac{1}{6}$ Cor. West shore
Howard Lake.

Notes of Cass County Surveyor
E. B. Horst in 1921.

Iron Monument

See Book #3
Page #41

CERTIFICATE FILED

37 Z-2

West 1/4

T141N R31W

T140N R31W

Cor. Sec 31

Affidavit RHM

South line.

Notes of Cass County Surveyor
E. B. Horst in 1921.

Iron Monument (Found a 1 3/4" dia.
iron pipe marking corner, approx. 20'
west of an old fence line running N-S.
Found corner by chaining South 1°E
1025 ft. from SMC on Howard Lake as per
call of Co. notes.)

Set a 2" inside diameter 5' long galvanized
wrought iron pipe filled w/ concrete and
capped with a 3" dia. bronze tablet
stamped:-

T141N R31W

S.C.

W 1/4 S 31

OK
3/21/63

1962
RLS No 3628

White pine 24" N11 1/2°W 72.4' MKD W 1/4 S 31 BT
Oak 6" N60°E 31.1' MKD W 1/4 S 31 BT
Steel sign post 72" Long set 24" in ground
w/ signs 54-24 54-A N88°E 2.9'

7-27-62

G. H. McDonald

38 Z-4

T141 N R31W
T140 N R31W

Affidavit RHM

East $\frac{1}{16}$ Cor. Sec 31

South Line

Notes of Cass County Surveyor
E.B. Horst IN 1921.

Iron Monument (Found a $1\frac{3}{4}$ " dia.
iron pipe marking corner - Found by
chaining N88°E 1311.3' as per call of Co.
Plat.)

Set a 2" inside diameter 5' Long cylindrical
concrete monument capped with a 3"
dia. bronze tablet stamped:-

T141NR31W
5C
E $\frac{1}{16}$ S31

JK RHM 3/27/63

1962
RLS NO. 3628

Oak 5" N23°W 9.7' MKD E $\frac{1}{16}$ S31 BT

Oak 6" N69°W 14.7' MKD E $\frac{1}{16}$ S31 BT

Steel sign post 72" Long, set 24" in ground,
with signs 54-2 & 54-4 N89 $\frac{1}{2}$ °E 3.7'

7-30-62 R.H. McDonald

39 G-4,5

Witness for the $\frac{1}{4}$ Corner Sections 7-8
on the E-W center line of Sec. 7
815 Feet west of the point for $\frac{1}{4}$ cor.

Remonumented by Cass County Surveyor
Harold Curo in 1959 - He used the
existing $2\frac{1}{4} \times 48$ " capped gal. iron monument
for the witness cor. from which bears:

White pine $6''$ $N59^{\circ}32'W$ $45.80'$ MKD S7
T141R31

Norway pine $14''$ $N24^{\circ}15'W$ $60.35'$ MKD S7
T141R31

Cedar post $4'' \times 4'' \times 100''$ $S9^{\circ}50'W$ $22.25'$
MKD S7 - T141R31

Found 2" pipe w/ Iron cap stamped:-

T141R31

Wit. $\frac{S7}{815'W}$ $\frac{1}{4}$

1959

RLS No 3417

White pine $N62^{\circ}W$ $45.8'$ scribe plain

Norway pine $N16\frac{1}{2}^{\circ}W$ $60.35'$ " "

Cedar post $S12^{\circ}E$ $22.25'$ " "

I set a steel sign post $72''$ Long $24''$ in ground

w/ sign 54-4 attached $S79^{\circ}W$ $3.95'$

8-24-62 *Harold Curo*

40 G-3

Center Quarter Corner Section 7
Set by Co. Surveyor John Curo in
1915 - Found and perpetuated by
Cass Co. Surveyor Harold Curo in
1958. He found a 2 1/2" x 48' capped
galvanized iron monument
from which bears:-

White Oak 9" N6°50'E 14.0' MKD S 7 T141R31

Jack pine 10" S73°51'E 35.35' MKD S 7 T141R31

White Oak 14" S54°22'W 22.62' MKD S 7
T141R31

Found a iron capped pipe stamped: T141

SC 7
R15 R31A
NO 1958
NO 3917

Jack pine 15" S 76°E 35.35' MKD S 7 T141R31BT

Oak 10" 13' N 5 1/2° E 14.0' MKD S 7 T141R31BT

Oak 15" S 52 1/2° W 22.62' MKD C 7 T141R31BT

7-31-62 G.H.M. Donnell

2/10/94 KRAUSE, BRONX, MAINE

FD MONUMENT AND B.T.S IN GOOD CONDITION
PUT SPIKES IN B.T.S @ 1958 DISTANCES.

HEAVY SIGN POSTS 3.75 SOUTH 3.75 EAST

41 C-12

Center East $\frac{1}{16}$ Corner Section 4

From a plat of Cass County Surveyor
John M. Greene in 1924

Iron monument (Found a 2" inside dia.
galvanized iron pipe with a pipe cap
on top. pipe projects 16" above ground.

Found near an old (20 years) fence
corner.) 4-11-62 RHM

Set a 6" dia., 5' long cylindrical concrete
monument capped with a 3" dia. bronze
tablet stamped:

T141NR31W

C E $\frac{1}{16}$ C

S 4

1962

RLS NO 3628

Set a steel post with signs 54-2 & 54-4
3 feet East of corner

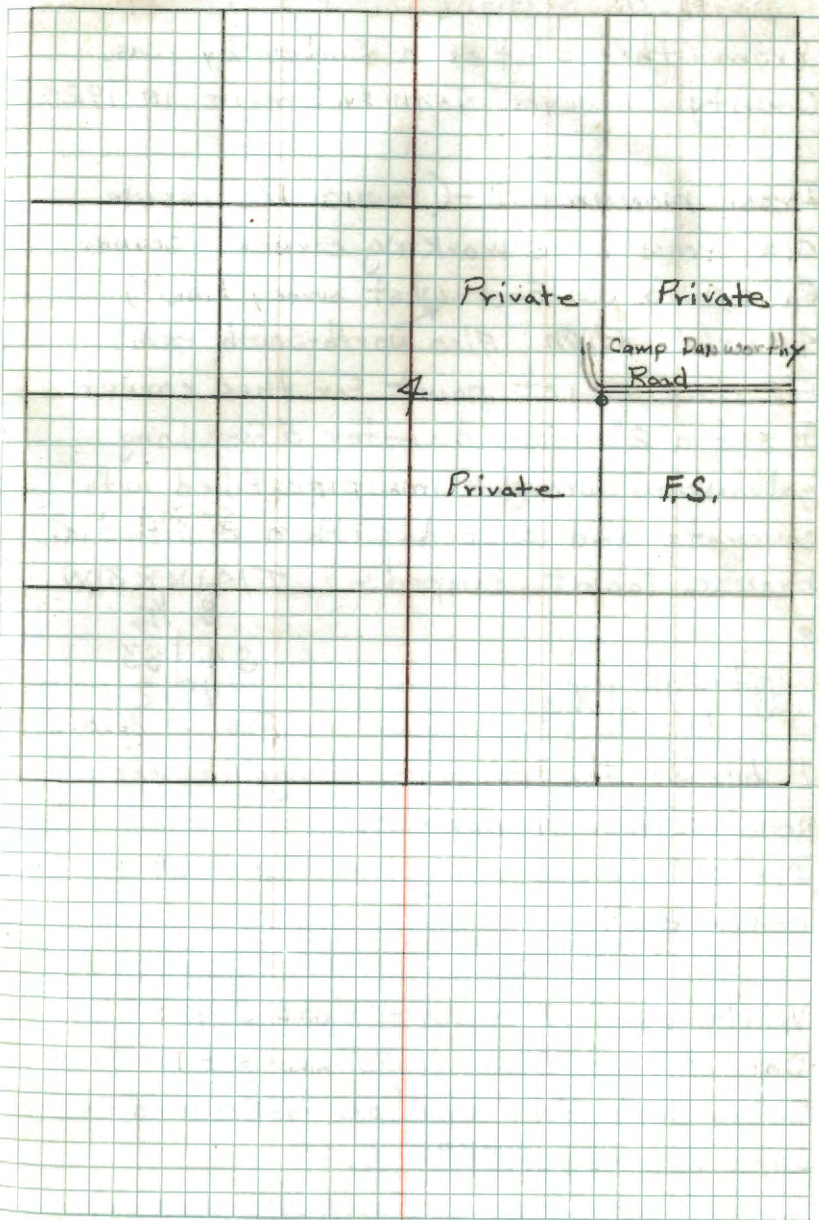
Oak 5" N66 $\frac{1}{2}$ °E 17.6' MKD X BT

Oak 9" S15°E 33.6' MKD C E $\frac{1}{16}$ BT

5-14-62 R.H. McDonald

[Signature]
5/16/62

Affidavit RHM



42 D-13

South $\frac{1}{16}$ Sections 3-4

From the plat of a Survey by Cass
County Surveyor John M. Greene in 1924

Iron monument - (Found $1\frac{1}{2}$ " inside
dia. iron pipe marking corner - corner
falls in a old East-West survey line.)

4-11-62 RHM Also North-South RHM

At the exact point for this corner

I set a 2" inside diameter 5 foot long
galvanized wrought iron pipe filled with
concrete and capped with a 3 inch dia.
bronze tablet stamped:-

T141NR31W

S $\frac{1}{16}$

S4 | S3

1962

RLS NO 2628

John M. McDonald
3/28/63

I buried the old pipe alongside the
new corner monument.

Marked two bearing trees and set 1
cedar post:-

White pine 19" N10°W 50.8' mxd S $\frac{1}{16}$ S4 BT

Oak 5" S78°W 30.85' mxd X BT

Cedar post 4" x 4" x 6.0' penta-treated and
with red top S88°E 2.9'

4-12-62 *John M. McDonald*

Affidavit RHM

43 X-15

Center Quarter Corner Section 34
From a plat of survey by John M.
Greene, Cass County Surveyor in 1928

Iron monument (Found a $\frac{1}{2}$ " inside dia.
iron pipe marking corner - a F.S. metal
Location poster put up in 1950 gives
bearing and dist to corner.) 4-13-62 RHM

Set a 6" diameter 5 foot long cylindrical
concrete monument capped with a three
inch dia. bronze tablet stamped:-

T141NR31W
C 1/4 S34
1962
RLS No. 3628

Set the old iron pipe alongside new corner.

Marked new bearing trees:-

K FALLS IN ROAD CLEARING EAST
Jack pine 13 S71°W 91.05 MKD C 1/4 S34 BT

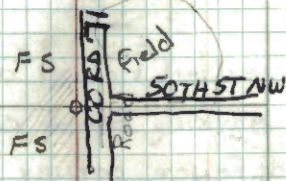
Oak 8" N49°E 8.1 FALLS IN
RD CLEARING MKD C 1/4 S34 BT

Cedar post 4" x 4" x 6.0' - pentatreated
with red top. S32°E 2.1' GONE

4-24-62 RH McDonald

Affidavit RHM

Sec 34



Set a steel sign post 72" long with
signs 59-2 & 59-4 attached North 2.7'
4-16-08 Romain

FD MONUMENT AND GPS CORNER IS ON TOP OF
WEST BACKSLOPE CO ROAD 71. HEAVY STEEL SIGN
POST SOUTH 3.85 FT TO Q OF POST

R PINE 8" N35°W 36.75 FT TO SPK MKD S34 BT

R PINE 8 1/2" W 30.40 FT TO SPK MKD S34 BT

4-15-1980 BRAMA

MKD NEW BTS

R OAK 11" N83°W 62.10' MKD C 1/4 S34 BT

GONE FALLS IN RUPINE PLANTATION
R OAK 5" S13°E 31.88' MKD C 1/4 S34 BT

FALLS IN NEW RD CLEARING

44 W-15

Center North 1/16 Corner Section 34

From a plat of survey by John M. Green, Cass County Surveyor IN 1928

Iron monument (Found a 1/2" inside dia. iron pipe marking ~~the~~ corner, this is alongside ^{do, done} a fence corner estimated to be 30 years old.) 4-13-62 RHM

Set a 6" dia. 5' Long cylindrical concrete monument capped with a 3" dia. bronze tablet stamped:-
(replaced old pipe alongside new monument)

T 1/4 IN R 3/4 W
C
N 1/16 | S 34
C
1962
RLS NO 3628

From which bears:-

Jack pine 13" N 41 1/2° E 18.0' MKD CN 1/16 BT ^{FAIR IN NEW RD}

Jack pine 11" N 56° W 45.4' MKD CN 1/16 BT ^{NEW 20' SIGN}

4-24-62 RHM McDonald

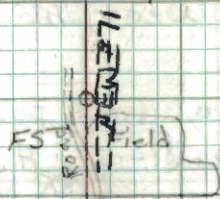
Set a steel sign post 72" long with signs 54-2 & 54-4 attached South 3.3 feet

RHM

Affidavit RHM

ok
6-18-63

Sec 34



4-15-1980 BRAMA MKD NEW BT

J PINE 10" S 43° E 22.63' MKD: CN 1/16 S 34 BT
FALLS IN NEW RD CLEARING

4-16-08 R. MAIN
FD MONUMENT IN PLACE AND GPS CORNER IS ± 35 FT WEST OF NEWLY CONSTRUCTED CO ROAD # 710
HEAVY STEEL SIGN POST NORTH 7.8 FT.

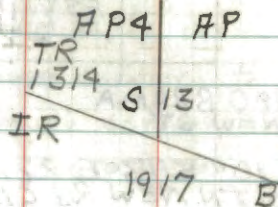
W PINE 8" S 56° W 20.60 FT TO SPK MKD: S 34 BT

W PINE 12" N 26° W 26.10 FT TO SPK MKD: S 34 BT

45 J.K.-21

Indian Reservation Boundry 732.6 feet
South of the West $\frac{1}{16}$ Corner Sections
12-13

Found a 1" dia. iron post with a
brass cap marked:-



A mound of stones was Found on the
North side of the corner as per call
of the G.L.O. running notes of 1917
Corner is alongside a old fence line running
NW-SE.

To perpetuate this corner I marked
two new bearing trees and one rock

ELM 15" S83°E 12.3 feet MKD X BT

ELM 9" S76°W 26.2 feet MKD X BT

Rock 3.0' x 2.0' x 1.0' high above ground

N 24°E 11.7' to highest point.

4-24-62 R.H. McDonald

Affidavit RHM

732.6'
x x x

13

Approx. 250 feet east of corner is the
Railroad R/W.

46 E-12

East 1/16 Corner Section 4-9

From the plat of a survey by Cass County surveyor John M Greene in 1924 Iron Monument (Found a 2" inside dia. capped iron pipe marking corner - this is alongside a fence corner estimated to be 30 years old.) this location checks with type map and aerial photo.

Set a 2" inside dia. 5 foot long galvanized wrought iron pipe filled with concrete and capped with a 3" dia. bronze tablet stamped:-

T141N R31W

E 1/16 S 4

S 9

1962
RLS NO 3628

From which bears

Oak 7" N 36°E 55.25' MKD E 1/16 S 4 BT

R.E.A. pole 9" S 89°E 45.7' NRT H 48-35

Steel sign post 72" long with signs 54-2 & 54-4 attached N 30°W 3.9'

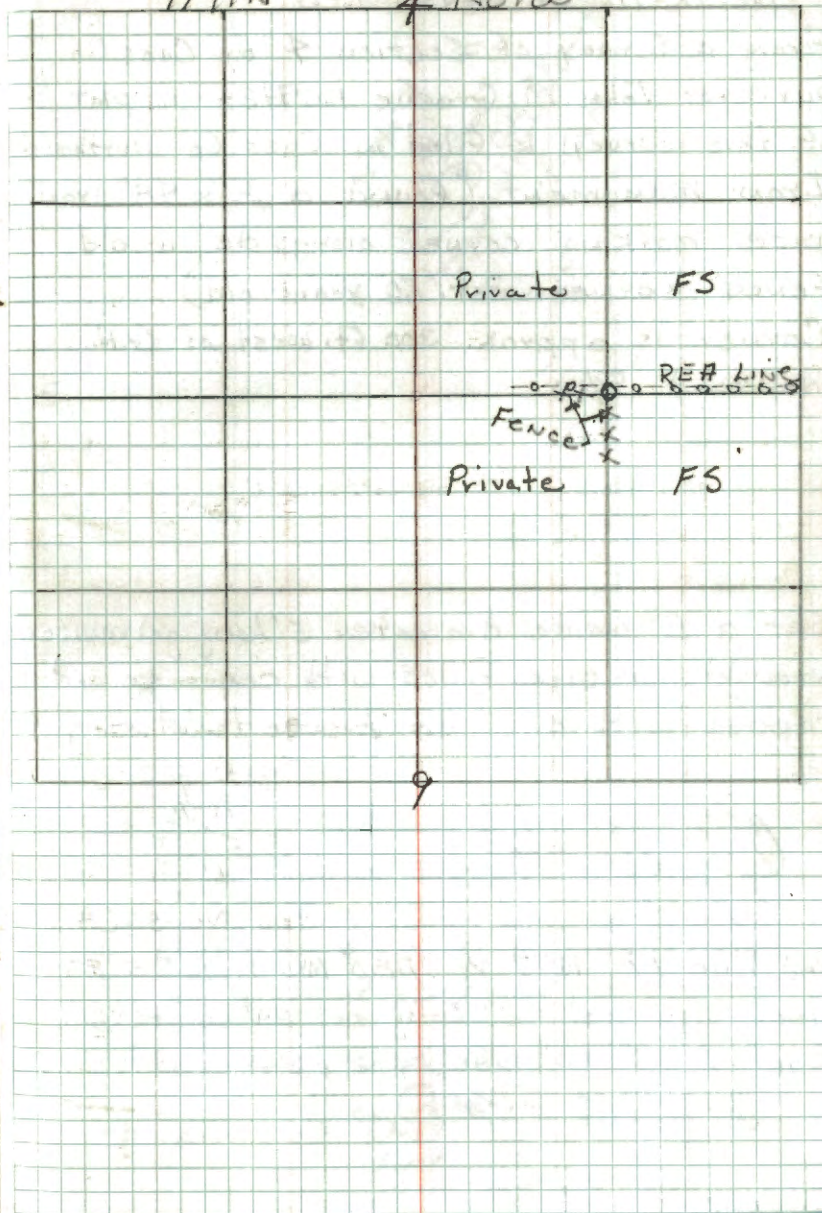
5-21-62 R.H. McDonald

[Signature]
3/27/63

Affidavit RHM

T141N

R31W



47 B-9

North 1/16 Sections 4-5

From a Survey of Section 4 by Cass Co. Surveyor John M. Greene in 1924 - a plat of this survey is filed in Cass Co. Courthouse Iron Monument (Found a 2" x 48" iron pipe marking corner alongside a old fence corner est. 30 years old) Corner is approx. 300 ft. west of G.N. Railroad R/W.

Set a 2" inside diameter 5' long galvanized wrought iron pipe filled with concrete and capped with a 3" dia. bronze tablet stamped

T141N R31W

N 7/16

S 51/59

1962

RLS No 3628

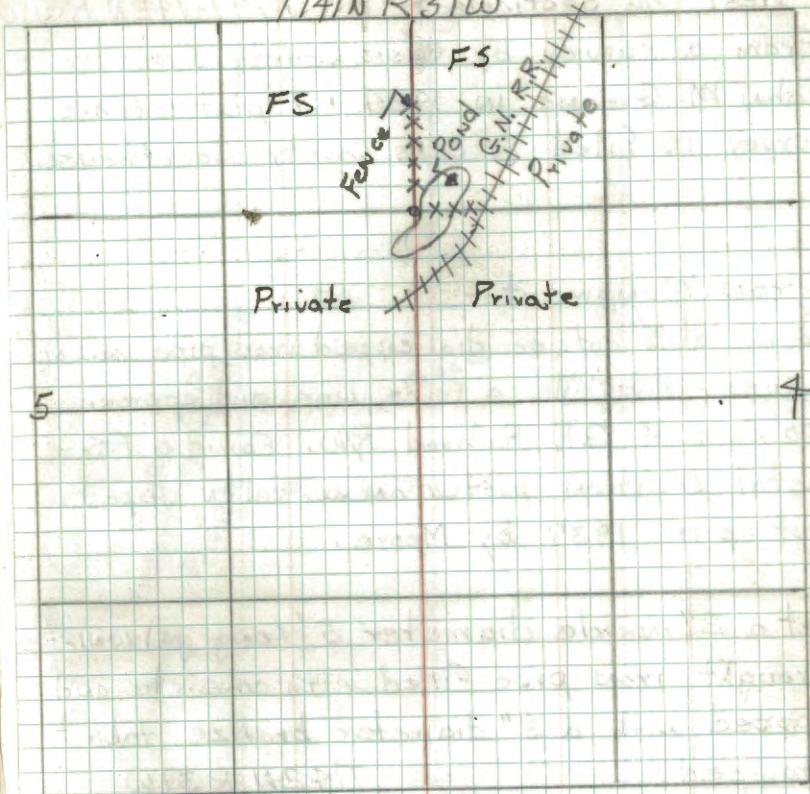
OK Pym 3/28/63
Red Pine 17" N77°W 112.0' MKD N 1/16 S 5 BT
Steel sign post 72" long set 24" in ground
East 2.05' w/signs 54-2 & 54-4 attached
6/27/62 R.H.M. Donald

7/18/84 CK JA GB

Steel sign post removed and drove along side of B.C. also drove another 3" x 8' steel sign post along side B.C.

Affidavit TRM

T141N R31W



7/18/84 CK JA GB

Fd: 5' Brass capped iron pipe marked OK
up 2' with 2" x 48" iron pipe on south
side of B.C. up 8"; corner falls in marsh
grass 20' west of pond and 40' east of
high ground.

FB BT: Red pine 20" N77W 112.0' - BT tag

SET:

Steel sign post	3" x 8'	West	3.5'	Att. & dry signs
"	"	East	4.0	"
"	"	North	4.8'	Att. sign

Line to standard west 1/4 mile

48 A-10

West $\frac{1}{16}$ Sections 4-33 T141-142N R31W

From a survey by Cass County Surveyor John M. Greene in 1924 - A plat of his survey is filed in Cass County Courthouse.

Iron Monument -

Found a 2" outside dia. capped iron pipe marking corner - alongside a fence line and approx. 100' East of G.N. Railroad R/W. Found a F.S. metal Location poster on a Fallen Aspen put up in 1937 by Moore.

Set a 2" inside diameter 5' long galvanized wrought iron pipe filled with concrete and capped with a 3" diameter bronze tablet stamped:

T142N R31W

W $\frac{1}{16}$ S 33

S 4

T141N

1962
RLS NO 3628

Handwritten signature/initials

Oak 6" N48°W 22.7' MKD W $\frac{1}{16}$ BT

Oak 5" S27°W 15.5' MKD W $\frac{1}{16}$ BT

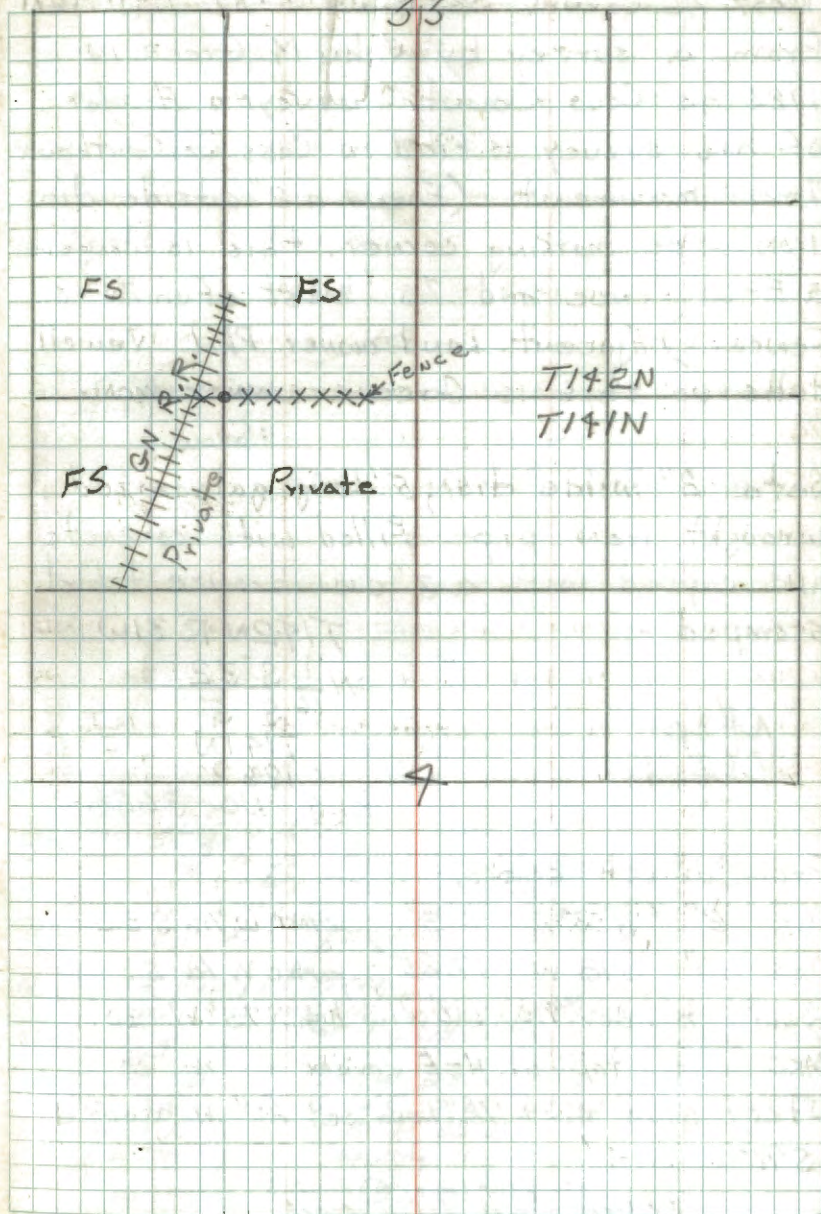
72" long steel sign post set 24" in ground

East 3.65'

6/27/62 R.H. McDonald

Affidavit RHM

33



49 A-6

R31W

West $\frac{1}{16}$ Corner Sections 5-32 T141-142N
 From a survey by John M. Green in
 1925 as Cass County Surveyor. A plat
 of his survey is filed in Cass Co. Courthouse.
 Iron monument - (Found a 2" outside dia.
 iron pipe marking corner, this is alongside
 a E-W fence and 70' west of a N-S
 fence.) Adjacent Land owner Phil Jewell
 tells us this is GREENS CORNER MON.

Set a 2" inside dia., 5' Long galvanized
 wrought iron pipe. Filled with concrete
 and capped with a 3" dia. bronze tablet
 stamped:-

T142N R 31W
 W $\frac{1}{16}$ S 32
 S 5
 T141N
 1962
 RLS NO 3628

From which bears:-

Oak 6" N56°E 6.3' MKD W $\frac{1}{16}$ S 32 BT

Oak 10" S18°W 17.85' MKD W $\frac{1}{16}$ S 5 BT

Granite boulder 7.0' x 6.0' x 1.3' high N73°W 30.1'

MKD x on top at N-E corner

Steel sign post 72" Long set 24" in ground

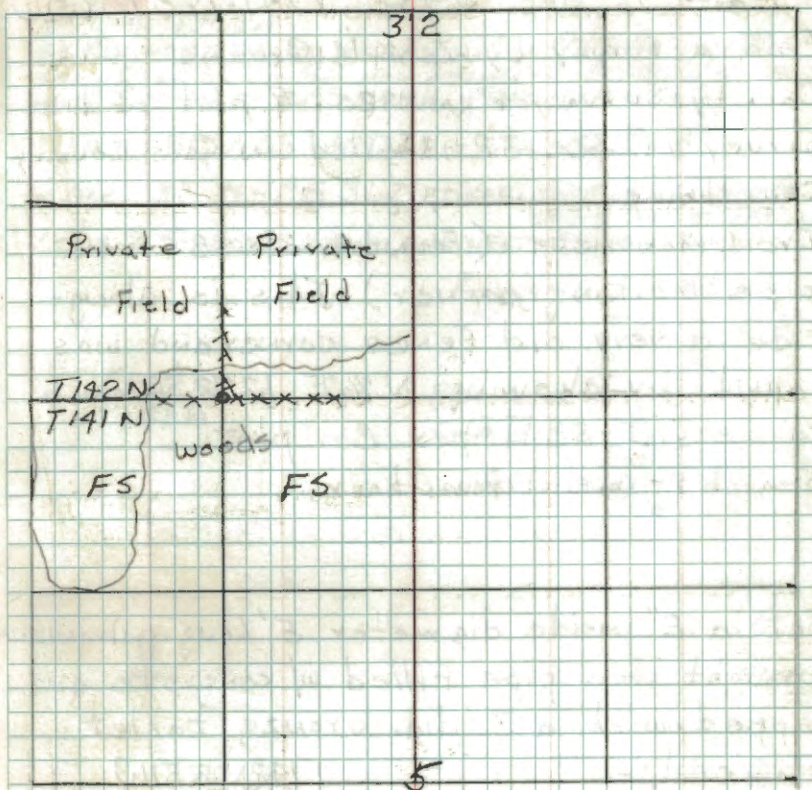
S76°W 3.4'

6/28/62 G.H. McDonald

Affidavit RHM

R31W

32



12-21-78 Stefan & Hayes
 Traversed to this position. Fd. monument to be in
 place as per the 1962 perpetuation. ^{but this}
 is not at the proper location. need to ^{move} monument
 to be in correct position (see sec. 5 subdivision).

12-20-84 Krause & Branga
 Moved 1962 monument to proper position. Stamped R.L.S.
 12261 & year 1984. Replaced Cu. Iron in its orig. place, 1" below
 grd.

(1962) R. Oak 12" S 83°W 23.65' (spike, top & Paint)
 (1962) W. Oak 6" S 46°E 2.75' signed W $\frac{1}{16}$ S 5 BT
 (new) W. Oak 7" N 81°W 85.25' " W $\frac{1}{16}$ S 32 BT
 6" Steel Sign Post westerly 4.1
 monument is 14' north of E-W local line

50 A-8

Fence Cor

HFAidavit RHM

R31W

East to Sec. 5-32 T141-192 NR31W

From a survey by John M. Greene - Cass County Surveyor in 1925. A plat of his Survey of Sec 32 is filed in Cass County Courthouse.

Iron monument (Found a 2"x48" iron pipe marking corner) This is alongside a very old fence corner and was found by chaining N76°E 1373' from 1/4 Secs. 5-32 as per Co. plat. Search time 1 man hour.

Set a 2" inside diameter 5' long galvanized wrought iron pipe filled w/ concrete and capped with a 3" dia. bronze tablet stamped:-

T142N R31W

E 1/4 S 32

E 1/4 S 5

T141N

R.L.S. 1962 3628
NO

Oak 7" S74°E 10.1' MKD E 1/4 S 5 BT

Oak 6" S38 1/2°W 14.55' MKD E 1/4 S 5 BT

72" Long Steel sign post set 24" in ground North 2.8' with signs 54-2 & 54-4

6/29/62 R.H. McDonald

3-24-48 R. MAIN

32

Ed Monument in poor condition. OAK 574E 10.1 NOWA 20FT SNAO OAK 538 1/2°W 14.55 NOW A WIND FALL. REPLACE 6' SIGNPOST WITH 8" BT POST 20.95 NORTH. MARK NEW BTS 0

MAPLE 5" N65°W 11.0 20 FT TO SPK MKD OAK BT

W OAK 3" N47°E 3.6 on 23 FT TO SPK. NOT MKD SPK UP 1/2 FT ON SE SIDE OF TREE
LINE TO STANDARD NORTH AND WEST OF CORNER

Private FS

T142N

T141N

Blue line

- 1373.6'

FS

5

12-20-78 Spain & Hayes
Traversed to this position. Corner & BTS OK.

12-20-84 Hayes & Allisop
Monument in good condition

Ed R. Oak 9" S75°E 10.08

Ed R. Oak 8" S42°W 14.58

Ed 8' Sign Post West only

Ed 6' Sign Post North

New 5" White Oak N 34°W 17.61 to old squared "BT"

Blazed glazed & Blazed closed (new tag)

51 D, E-9

Meander Corner Sections 4-5 on South
Bank of Upper Fifth Lake

From a survey by Cass County Surveyor
John M. Green in 1924 - (Subdivision of
Sec. 4). A plat of his survey is filed
in Cass County Courthouse.

Iron monument (Found a $1\frac{1}{2}$ " x 24" iron pipe
marking corner.)

Set a 2" inside diameter 5 foot long galvanized
wrought iron pipe filled with concrete and
capped with a 3" dia. bronze tablet
stamped.

T141NR31W
M.C.

Note

Pipe projects 26" above
ground.

S 5 | S 4
1962
RLS NO 3628

From which bears

Red pine 18" S 14° W 42.8' MKM & S 5 BT

Oak 5" S 89° E 17.0 feet MKD X BT

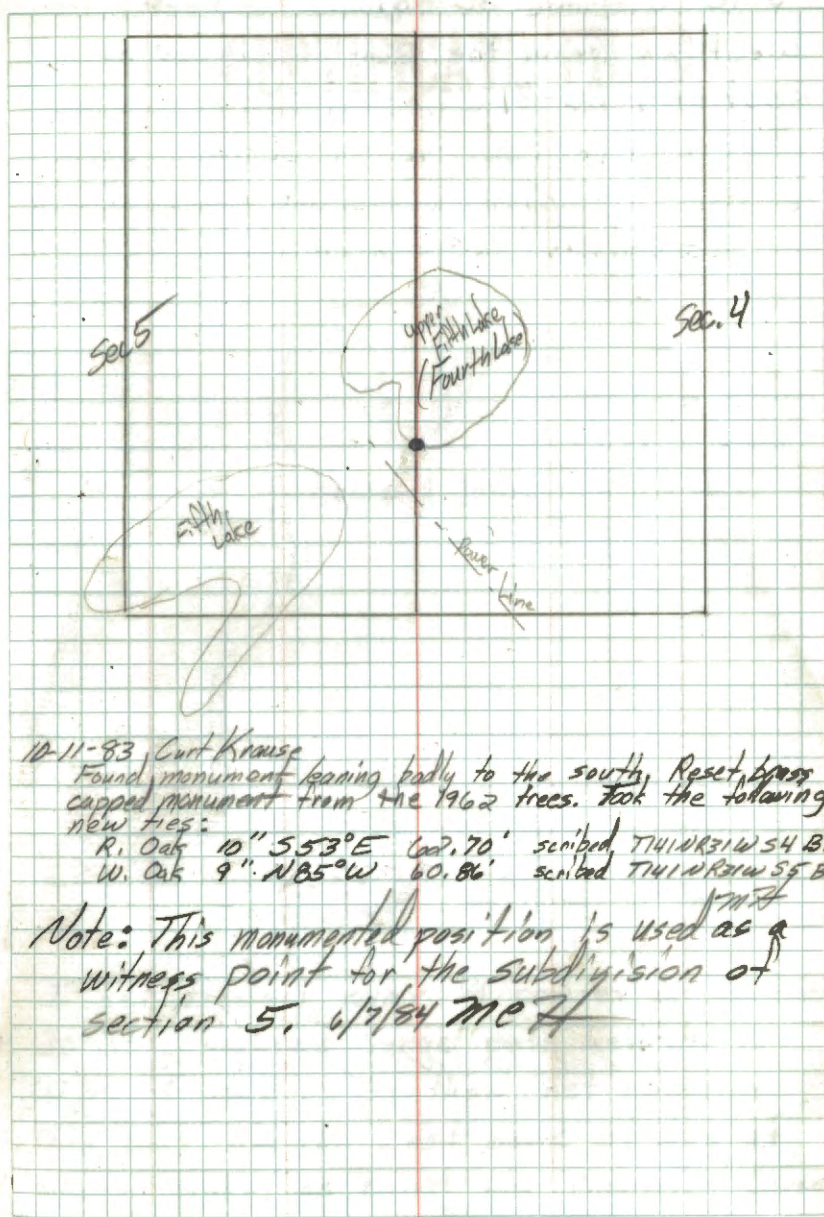
Steel sign post 72" long set 24" in ground

w/ signs 54-2 & 54-4 attached N 2° W 4.2'

9-26-62 R.H. McDonald

OK
J.M.
3/28/63

Affidavit RHM



10-11-83 Curt Krause

Found monument leaning badly to the south. Reset brass
capped monument from the 1962 trees. Took the following
new ties:

R. Oak 10" S 53° E 60.70' scribed T141NR31W S4 BT

W. Oak 9" N 85° W 60.86' scribed T141NR31W S5 BT

Note: This monumented position is used as a
witness point for the subdivision of
section 5. 6/7/84 MCH

North $\frac{1}{16}$ Between Sec. 5' 19³20
 CORNER SET BY PROPORTIONAL MEASUREMENT
 IN SUBDIVISION OF SEC. 19

to perpetuate this corner. I set a 2" dia 5'
 long galvanized steel pipe filled with concrete
 and capped with a 3" dia brass tablet stamped.

T141 N R 31 W

N $\frac{1}{16}$

519 | 520

1969

RLS NO 6807

Witnessed by:

Norway Pine 7" N 5° E 70.1' scribed N $\frac{1}{16}$ 520 Bt.
 Norway Pine 15" N 67° W 33.2' scribed N $\frac{1}{16}$ 519 Bt.
 Norway Pine 7" S 74° W 52.2' scribed N $\frac{1}{16}$ 519 Bt.

12-2-69

Curtis R. Krause

4" X 4" X 84" Red top Cedar post set due North
 2.5 ft. with F.S. signs ⁽²⁾ 54-2 & 54-4 attached.

9-28-2016 R MAIN

CPS IRON SURVEY GRADE CASS COUNTY NORTH
 COORDINATES N=186030.11 E=394459.22

South $\frac{1}{16}$ Between 26 & 27

COUNTY CORNER 2" IRON PIPE

Found good condition 6/18/37 BY
R Moore Metal location on
16" ASPEN N 88° E .040 chains

4-23-80 CK-JS

Fd. 2" X 48" IRON PIPE - IN PLACE

PLACE 8' STEEL SIGN POST 2' SE OF IRON

6' STEEL SIGN POST AT SOUTH EDGE

PLACE FSLP ON 12" W. OAK N 86° W 54.0'

CORNER IS 30' INTO SWAMP AND WATER

IN SWAMP AROUND IRON IS 24" DEEP

SE 1/6 Sec. 19

This corner set by proportional measurement in subdivision of section 19

To perpetuate this corner I set a 2" dia. 5' long galvanized steel pipe filled with concrete and capped with a 3" dia. brass tablet stamped as follows.

T. 141 N. R. 31 W.

SE 1/6 S. 19

1971

P.L.S. No. 6807

Witnessed by

8" Red Oak N 23° W 47.8 ft. scribed SE 1/6 S 19

6" White Oak N 52° E 33.4 ft. scribed SE 1/6 S 19

9" Red Oak S 14° E 28.7 ft. scribed SE 1/6 S 19

4" x 4" x 84" long Red top Cedar post Set due North 30 ft. with F.S. signs 59-2 & 59-4 attached.

9-22-71

Curtis R. Krause

Corner is located on a side hill in Birch, Aspen, Oak. It is Approx. ~~200'~~ north of a woods road, and 300' south of the S.E. corner of a Norway Pine plantation

Affidavit

9-8-2016 R MAIN

FD IRON IN PLACE AND GPS SURVEY GRADE.

CLASS CO NORTH N=176958.595

E=392926.695

1971 BTS AND WOOD POST ARE OK. IRON IS 200' NORTH OF E FR 2804

BT.

BT.

BT.

Center West $\frac{1}{16}$ of Sec. 19

this corner set by proportional measurement, in the subdivision of Section 19

To perpetuate this corner I set a 2" dia. 60" long galvanized steel pipe filled with concrete and capped with a 3" dia. brass tablet stamped as follows.

T 141 N R 31 W
W $\frac{1}{16}$ C
C 519
RLS 1991 NO 6807

Witnessed by.

5" White Oak N12°E 36.9 ft. scribed CW $\frac{1}{16}$ 519 BT

13" Jack Pine N40°E 87.3 ft. scribed CW $\frac{1}{16}$ 519 BT

5" White Oak S25°E 36.2 ft. scribed CW $\frac{1}{16}$ 519 BT

9" x 9" x 84" Red top Cedar post set due South 2.0 ft. with F.S. signs 54-2 & 54-4 attached.

4-22-71

Curtis R. Krause

2-28-02 R MAIN 45'

1971 MONUMENT IN PLACE 45 FT SOUTH OF SNOWMOBILE TRAIL. J. PINE BT IS A 5 FT STUB. W. OAK N12°E 36.9 FT TO BE REMOVED BY ONR TRAIL CLEARING. MARK ONE NEW BT.

W. OAK 6" S74°E 46.95 FT TUSA K MKD'S X BT

(471) W. OAK 7" S25°E 36.2 FT SCRIBE & NAIL OVERGROWN

9-21-216 R MAIN

GPS IRON SURVEY GRADE COORDS. CASS CO
NORTH N=177342.913 E=390243.416

SNOWMOBILE IS NOW BLACKTOPED. IRON 45' SOUTH OF E. PREVIOUS GAS WAS RESOURCE GRADE.

57

Official 0-4

North East $\frac{1}{16}$ Corner of Sec. 19

This corner set by proportional
measurement, in subdivision
of Section 19

To perpetuate this corner I set a
2" dia. 60" long galvanized steel pipe
filled with concrete, and capped with a
3" dia. brass tablet stamped as
follows.

T141N R31W

NE $\frac{1}{16}$ S. 19

1971

RLS No. 6807

Witnessed by.

- 15" Norway Pine S81°W 43.9 ft. scribed
NOW 12" TALL SNAG
- 17" Norway Pine N41°E 24.6 ft. scribed
NOW WINDFALL
- 9" Jack Pine S50°E 18.6 ft. scribed
NOW WINDFALL
- 4" x 4" x 8' Red top Cedar post set due
FALLEN DOWN
South 7.0 ft. with F.S. signs 54-2, 54-4
attached.

4-23-71

Curtis R. Krause

9-7-2016 R MAIN

FD IRON IN PLACE AND GPS SURVEY GRADE.
CASS CO NORTH COORDS. N=179574.359
E=393068.730

NE $\frac{1}{16}$ S19 Bt.
NE $\frac{1}{16}$ S19 Bt.
NE $\frac{1}{16}$ S19 Bt.

Center East $\frac{1}{16}$ of Sec. 19

this corner set by proportional
measurement, in subdivision of
section 19

To perpetuate this corner I set a
2" dia. 60" long galvanized steel pipe
filled with concrete, and capped with
a 3" dia. brass tablet stamped as follows:

T141N R31W

E $\frac{1}{16}$ C

C-519

1971

RLS No. 6807

Witnessed by

8" Red Oak S37°W 30.6 ft. scribed CE $\frac{1}{16}$ S19 Bt.9" White Oak N34°W 58.0 ft. scribed CE $\frac{1}{16}$ S19 Bt.7" Red Oak S83°E 48.6 ft. scribed CE $\frac{1}{16}$ S19 Bt.4" x 4" x 84" Red top Cedar post set due North
2.6 ft. with F.S. signs 54-2 & 54-4 attached

4-26-71

Curtis R. Krause

9-28-2016 R. MAIN

GPS IRON SURVEY GRADE. CASS COUNTY

NORTH COORDINATES.

NOW 15"

NOW 14"

NOW 15"

59

Q-3
Center South $\frac{1}{16}$ Cor. of Sec. 19

this corner set by proportional
measurement, in subdivision of
Section 19

To perpetuate this corner I set a 2"
dia. X 60" long, galvanized steel pipe, filled
with concrete and capped with a 3" dia.
brass tablet stamped as follows.

T 141 N₀ R 31 W

S $\frac{1}{16}$ | 519

C
1971

RLS NO. 6807

Witnessed by.

5" white Oak N 21° W 39.3 ft. scribed

5" white Oak S 86° W 11.6 ft. scribed

9" white Oak S 15° W 54.6 ft. scribed

4" X 4" X 84" Red top Cedar post set S 70° W
3.2 ft. with F.S. signs 54-2 & 54-4 attached.

4-30-71

Curtis R. Krause

8-21-80 B. Olson

MONUMENT & B.T.s OK.

SURVEY LINE to F.S. STANDARDS RUNS
WEST FROM THIS CORNER TO HOWARD LAKE
4" X 4" X 7' Wood post set 877' west of P
CORNER

9-21-2016 R. MAIN

GPS IRON SURVEY GRADE CASS CO NORTH
COORDINATES N=476491.57 E=391567.399

CS $\frac{1}{16}$ 519 Bt.

CS $\frac{1}{16}$ 519 Bt.

CS $\frac{1}{16}$ 519 Bt.

60 ^{Alfredville} South $\frac{1}{16}$ Cor. Bet. Secs. 19 & 20 Q-5

this corner set by proportional measurement, in subdivision of Section 19

To perpetuate this corner I set a 2" dia. 60" long galvanized steel pipe, filled with concrete and capped with a 3" dia. brass tablet stamped as follows.

T 141 N R 31 W
S $\frac{1}{16}$

519 | 520

1971

RLS NO. 6807

Witnessed by.

9" Red Oak N56°W 46.4 ft. scribed S $\frac{1}{16}$ 519 Bt.

6" Red Oak N19°E 45.6 ft. scribed S $\frac{1}{16}$ 520 Bt.

7" Norway Pine N64°E 108.0 ft. scribed S $\frac{1}{16}$ 520 Bt.

4" X 4" X 84" Red top cedar post set due East 2.2 ft. with F.S. signs 54-2 & 54-4 attached

4-30-71

Curtis R. Krause

8/6/87 CMMH

FO. 2" FS IRON & CAP IN PLACE - IN GOOD CONDITION
BT'S ARE ALIVE AND IN GOOD SHAPE - PAINT RED & TAG ON BACK
4X4 TO EAST HAS BEEN CHEWED BADLY BY BEAR - NEW SIGNS
CORNER IN FORK OF WOODS TRAILS NE & SE - COUNTY LAND BEING LOGGED
AT THIS TIME - SET 2' FGSP 3.0' WEST OF IRON PIAC

9-21-2016 R. MAJIN

GPS IRON SURVEY GRADE. CASS CO NORTH
COORDINATES. N=177427.683 E=394282.866

61 ^{Adjudant} North $\frac{1}{16}$ Corner Bet Sec's. 19 $\frac{1}{2}$ 29
this corner set by proportional
measurement, in subdivision of
Section 19.

To perpetuate this corner I set a 2"
dia. 60" long galvanized steel pipe, filled
with concrete and capped with a 3" dia.
brass tablet stamped as follows.

T141N
R32W R31W
N $\frac{1}{16}$
S24 S19
1971
RLS NO 6807

Witnessed by

8" Cedar N66°W 26.5 ft. scribed N $\frac{1}{16}$ S24 Bt.
8" Ash N21°E 35.3 ft. scribed N $\frac{1}{16}$ S19 Bt.
11" Cedar S12°W 63.2 ft. scribed N $\frac{1}{16}$ S24 Bt.

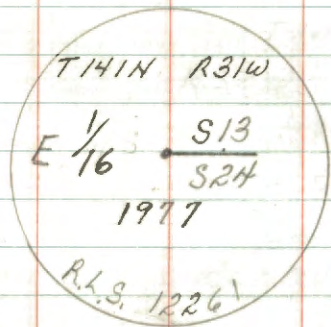
4" x 4" x 84" Red top cedar post set due
South 2.6 ft. with F.S. signs 54-2² & 54-4
attached

5-4-71
Curtis R. Kramer

F.S.L.P. on this cedar dated A.C. 1956

E $\frac{1}{16}$ BETWEEN SECTIONS 13424
ESTABLISHED THIS CORNER AT
MIDPOINT BETWEEN THE SECTION
CORNER EAST & THE $\frac{1}{4}$ CORNER
WEST.

SET A 6"X6"X24" CONCRETE
MONUMENT WITH BRASS TABLET
STAMPED AS FOLLOWS:



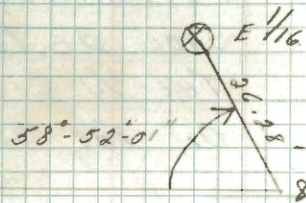
THE FOLLOWING BEAR:

RED PINE	W. OAK	R. OAK	STEEL POST
15"	5"	13"	
N51°E	N8°E	S19°E	NORTH
53.72	38.39	55.38	3.5'
E $\frac{1}{16}$ S13 ^B T	E $\frac{1}{16}$ S13 ^B T	E $\frac{1}{16}$ S24 ^B T	

JUNE 30, 1977

STEFAN
KRAUSE
OLSEN

POSITION OF EAST $\frac{1}{16}$ FROM RANDOM
TRANSVERSE:



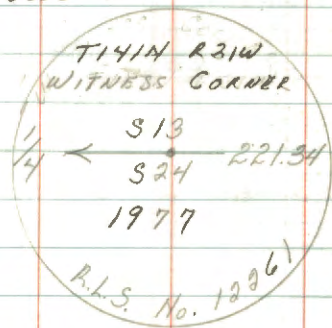
STA. O.C.	STA. SIGHTED	1 ST ANGLE	3 RD ANGLE	MEAN ANGLE
8	7	00-00		
	E $\frac{1}{16}$	58-52-01	176-38-50	58-51-47

DISTANCE BY LEVEL STEEL TAPE = 26.28'

WITNESS CORNER EAST OF
1/4 CORNER TO SECTIONS 13424

PROPORTIONATE POSITION OF
1/4 CORNER FALLS IN POND.
ESTABLISHED W.C. ON EAST
SIDE OF POND, FROM WHICH
THE 1/4 CORNER BEARS WESTERLY
ON THE SECTION LINE

W.C. IS A 2" I.D. GAL. IRON
PIPE, 5' LONG, 3 1/2" IN GROUND
FILLED WITH CONCRETE, WITH
3" BRASS TABLET, STAMPED AS
FOLLOWS:

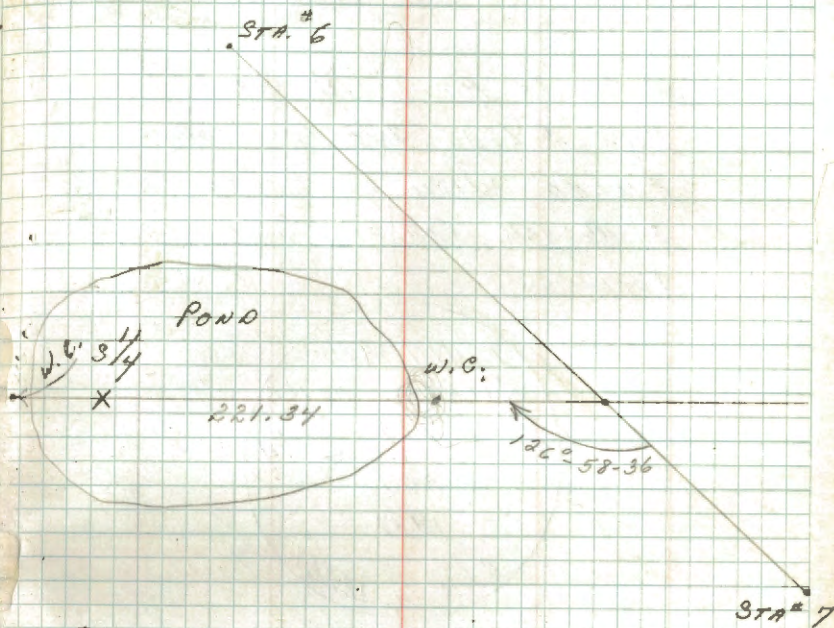


THE FOLLOWING BEAR:

W. OAK	W. OAK	W. OAK	STEEL
9"	8"	6"	POST
N 14° E	N 31° W	S 56° E	EAST
79.00'	68.85'	2.38'	5.0'

JULY 1, 1977

STEFAN
KRAUSE



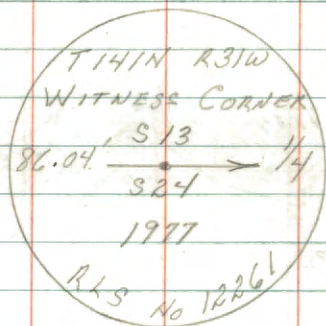
NOTE:

36.0' TO WATER'S EDGE WESTERLY.

64

WITNESS CORNER WEST OF
1/4 CORNER TO SECTIONS 13 & 24

W.C. IS A 2" I.D. GALV. IRON
PIPE, 5' LONG, 3 1/2' IN GROUND
FILLED WITH CONCRETE, WITH
3" BRASS TABLET, STAMPED AS
FOLLOWS:



W. OAK	W. OAK	W. OAK	STEEL
10"	4"	13"	POST
N 20° W	S 4° E	S 67° W	WEST
32.44'	6.18'	48.06'	6.25'
WC 1/4 S13 BT	"X" BT	WC 1/4 S24 BT	

July 1, 1977

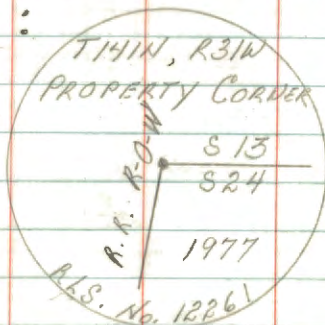
STEPAN
KRAOSE

SEE PAGE 63 FOR LOCATION THIS W.C.

PROPERTY CORNER ON SECTION
LINE & EAST R-O-W LINE
OF BURLINGTON - NORTHERN
LINE

ESTABLISHED POINT ON SECTION
LINE AND 50.00' EAST OF
CENTERLINE OF RAILROAD
TRACKS.

PLACED A 2" I.O. GALV. IRON
PIPE, 5' LONG, FILLED WITH
CONCRETE, ALONG SIDE 8' STEEL
FENCE POST, 7' IN PEAT SOIL,
WITH BRASS TABLET STAMPED
AS FOLLOWS:



7-7-77

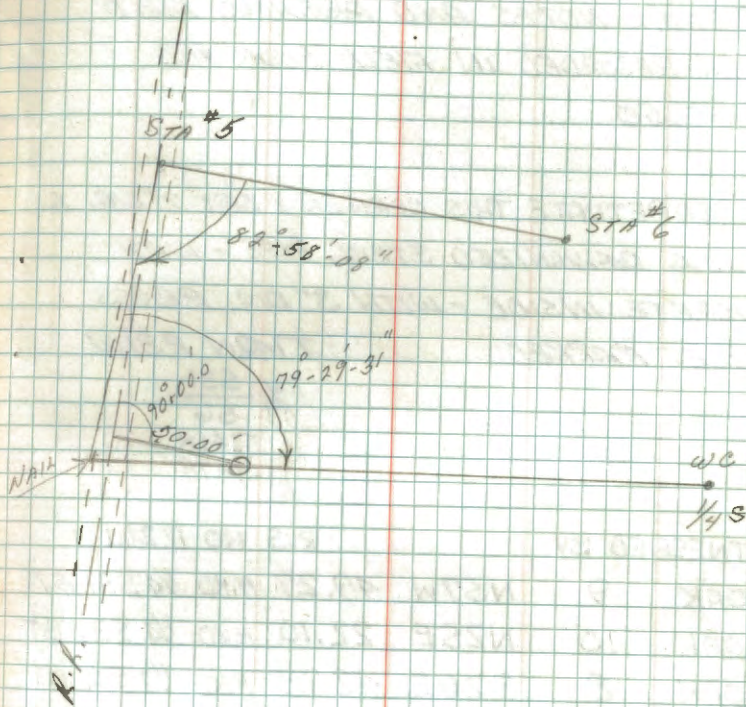
Antonio R. Kanel

FROM WHICH THE FOLLOWING BEAR:

J. Pine	J. Pine Tam.	8' sign post	
9" #1	13	2"	
S4°E	S22°E	S55°E	East
156.70'	143.0'	9.02'	3.1
PC524 BT	PC524 BT	Blaze Nail	SA-2 SA-4

STEFAN
KRAUSE

JULY 1, 1977



FROM NAIL CLOSING ANGLE TO W.C. TO 1/4 S
FROM STA #5 WAS AS COMPUTED. DISTANCE
IS 416.30. COMPUTED IS 416.28. POSITION
IS ACCEPTABLE.

6-18-83, 18" #18 PLACE ROCK AROUND IRON IN MARSH
J. PINE 13" S20°E 148.94
J. PINE S1°E 163.45
TAM. 3" S24°E 13.55'
8' POST SET DUE EAST 2.0'

66 A-3

QUARTER CORNER BET. SEC'S. 6-31

ORIGINAL NOTES AND PREVIOUS FIELD

WORK RECORDED IN FIELD BOOK #2

PAGE 50

TO PERPETUATE THIS CORNER I SET 2" DIA. X
5' LONG GALVANIZED STEEL PIPE - WITH
CONCRETE INSIDE - WITH 3" DIA. BRASS
TABLET MARKED

T142N R31W

$\frac{1}{4}$ $\frac{S31}{S6}$
T141N
1978

WITNESSED BY

RLS NO 12261

R.OAK 9 N57W 49.27 MKD $\frac{1}{4}$ S31 BT

W.OAK 10 N25E 22.10 MKD $\frac{1}{4}$ S31 BT

R.OAK 8 S26E 42.23 MKD $\frac{1}{4}$ S6 BT

SET 8' STEEL POST N82E 3.9' WITH FS

SIGNS 54-2 & 54-4

6-1-78

Clinton R. Kramer

67 B-5

NORTH $\frac{1}{16}$ BETWEEN SECTIONS 5-6

CORNER POSITION ESTABLISHED AT THE
PROPORTIONAL DISTANCE BETWEEN THE
SECTION CORNER NORTH $\frac{1}{4}$ CORNER SOUTH
& ON LINE BETWEEN THEM.

TO PERPETUATE THIS CORNER I SET 2" DIA. X
5' LONG GALVANIZED STEEL PIPE - WITH
CONCRETE INSIDE WITH 3" DIA. BRASS
TABLET MARKED

T14IN R31W

N $\frac{1}{16}$

56 | 55

1978

WITNESSED BY

RLS NO 12261

W. OAK 6 S56E 28.87' MKD N $\frac{1}{16}$ 55 BT

N. PINE 22 N82W 34.00' MKD N $\frac{1}{16}$ 56 BT

N. PINE 22 N42W 39.15' MKD N $\frac{1}{16}$ 56 BT

SET 8' STEEL POST DUE NORTH 3.0' WITH F.S.

SIGNS 54-2 & 54-4

6-5-78

Curtis R. Klauer

68 D-5
SOUTH 1/16 BETWEEN SECTIONS 5-6

CORNER POSITION ESTABLISHED AT MID-
POINT & ON LINE BETWEEN SECTION
CORNER SOUTH & 1/4 CORNER NORTH:
SEE PAGE 14 OF SECTION 6, SUB-DIVISION
BY STEFAN, 5/78.

TO PERPETUATE THIS CORNER I SET 2" DIA. X
5' LONG GALVANIZED STEEL PIPE - WITH
CONCRETE INSIDE CAPPED WITH 3" DIA.
BRASS TABLET MARKED

T141NR31W

SET 6' STEEL POST BESIDE

S 1/16

PIPE - WIRED BOTH TOGETHER

S6 | S5

1978

WITNESSED BY

RLS NO 12261

W. PINE 12" N 03°W 269.15' MKD S 1/16 S5 BT

W. OAK 7" S 57°W 163.58' MKD S 1/16 S6 BT

8' STEEL POST S53E 4.60' FS SIGN 54-4

SET 8' STEEL POST DUE NORTH 3.0' WITH FS SIGNS

54-2 & 54-4

6-6-78

Curtis R. Krause

CORNER IN BEAVER FLOODED MARSH VERY SOFT
BOG GRASS - WATER DEPTH NOW 24" AT CORNER

2/14/94 R MAEN

7" W. OAK S57°W 163.58 IS GONE
12" W. PINE NOW A 5' SNAG W/ OLD TAG

LIGHT 8' STEEL SIGN POST 2.0 FT EAST & 4.0 FT NORTH
MEASURED TO NEAREST EDGE OF SIGNPOST 1

Z.B.T.'s MKD 12/12/79 by Krause & Hayes

69 C, D-3

#1

PROPERTY CORNER ON N-S CENTERLINE SEC 6

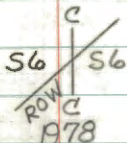
NORTH SIDE OF RIGHT-OF-WAY

By SUB-DIVISION SURVEY OF THIS SECTION I POSITIONED THIS CORNER ON THE NORTH-SOUTH 1/4 LINE AT THE NORTH EDGE OF A 66' COUNTY ROAD RIGHT-OF-WAY:

TO PERPETUATE THIS CORNER SET 2" DIA. X 5' LONG GALVANIZED STEEL PIPE - WITH CONCRETE INSIDE AND CAPPED WITH 3" DIA. BRASS TABLET MARKED

PROPERTY CORNER 1

T141N R31W



WITNESSED BY

RLS NO 12261

W. PINE 17 S88W 12.38' MKD PC1 S6 BT

N. PINE 12 N43W 2.37' MKD PC1 S6 BT

W. PINE 22 N15E 17.80' MKD PC1 S6 BT

SET 8' STEEL POST N47E 2.9' BOTH SIGNS

7-17-78

2-15-94

NO TRACE LEFT OF MOND. OR B.T.S.

TAKEN OUT BY ROAD CONSTRUCTION

70 C, D-3 #3

PROPERTY CORNER ON N-S CENTERLINE SEC. 6

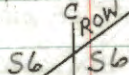
SOUTH SIDE OF RIGHT-OF-WAY

By SUB-DIVISION SURVEY OF THIS SECTION
I POSITIONED THIS CORNER ON THE NORTH-
SOUTH 1/4 LINE AND SOUTH EDGE OF
A 66' RIGHT-OF-WAY FOR COUNTY
ROAD.

TO PERPETUATE THIS CORNER SET 2" DIA. X 5' LONG
GALVANIZED STEEL PIPE WITH CONCRETE INSIDE
CAPPED WITH 3" DIA. BRASS TABLET MARKED

PROPERTY CORNER 3

T141N R31W



C
1978

WITNESSED BY

RLS NO 12261

W. PINE, 23", S32°E, 15.13, PC 3 SG BT

R. PINE, 18", N63°E, 20.97, PC 3 SG BT

W. PINE, 24", N47°W, 76.81, PC 3 SG BT

SIGN POST SOUTH 3.65' WITH 54-2x4

2/15/94

NOW 28" W. PINE SPK+TAG

NOW 19" N. PINE " "

NOW FALLS IN COUNTY ROAD - NO TRACE

NEW 8" STEEL SIGN POST WEST 3.10'

71 D-2,3 #2

PROPERTY CORNER ON S¹/₁₆ LINE SEC. 6

ON WEST SIDE OF RIGHT-OF-WAY

By SUB-DIVISION SURVEY OF THIS SECTION I POSITIONED THIS CORNER AT THE INTERSECTION OF THE SOUTH ¹/₁₆TH LINE WITH THE WESTERLY EDGE OF A 66' COUNTY ROAD R-O-W.

TO PERPETUATE THIS CORNER SET 2" DIA. X 5' LONG GALVANIZED STEEL PIPE - WITH CONCRETE INSIDE CAPPED WITH 3" DIA. BRASS TABLET MARKED

PROPERTY CORNER 2

T14IN R31W

S ⁵⁶/_{5 ROW}
1978

WITNESSED BY

RLS NO 12261

J. PINE 7 N8E 26.71 MKD PC256 BT

W. OAK 4 S52W 11.14' MKD X BT

W. OAK 3 S81W 29.18' MKD X

8' STEEL POST SET N74E 2.2' BOTH SIGNS

7-28-78

72 C-3

CENTER QUARTER OF SECTION 6

By SUB-DIVISION SURVEY OF
SECTION 6, I ESTABLISHED THE
CENTER $\frac{1}{4}$ AT THE INTERSECTIONS
OF THE EAST-WEST & NORTH-SOUTH
 $\frac{1}{4}$ LINES

TO PERPETUATE THIS CORNER SET 2" DIA. X 5' LONG
GALVANIZED STEEL PIPE, WITH CONCRETE INSIDE
AND CAPPED WITH 3" DIA. BRASS TABLET MARKED

T14IN R31W

C $\frac{1}{4}$ S6

1978

WITNESSED BY

RLS NO 12261

W. OAK	4	S74W	9.32	MKD X BT
W. OAK	16	N20E	49.78	MKD C $\frac{1}{4}$ S6 BT
N. PINE	10	N73E	69.61	MKD C $\frac{1}{4}$ S6 BT
W. OAK	7	S62E	17.19	MKD C $\frac{1}{4}$ S6 BT

8' STEEL POST N1W 4.2' BOTH SIGNS

8' STEEL POST N78E 3.0' BOTH SIGNS

7-31-78

Curtis R. Kramer

73 D-2

SOUTH WEST 1/16 SEC. 6

BY SUB-DIVISION SURVEY OF SECTION
6, I ESTABLISH THIS CORNER AT
THE INTERSECTIONS OF THE SOUTH
1/16 LINE & WEST 1/16 LINE IN THE
SOUTH WEST 1/4 OF SECTION 6.

TO PERPETUATE THIS CORNER SET 2" DIA. X 5' LONG
GALVANIZED STEEL PIPE, WITH CONCRETE INSIDE
AND CAPPED WITH 3" DIA. BRASS TABLET MARKED

T14IN R31W

SW 1/16 S6

1978

WITNESSED BY

RLS NO 12261

W. OAK 16^{NEW} 7'S 83W 61.03 MKD SW 1/16 S6 BTW. OAK 14^{NEW} 15'S 41E 25.95 MKD SW 1/16 S6 BTN. PINE 28^{STILL} 28'N 50E 49.19 MKD SW 1/16 S6 BT

8' STEEL POST N 76E 3.0' BOTH SIGNS

8' STEEL POST SOUTH 5.8' BOTH SIGNS

7-31-78

Curtis R. Krause

2/14/94 O R. MAIN

PLACED SPKS @ 1978 NAIL LOCATIONS.

Small width signposts were set inside 1978
Heavy signposts by BRAMA-SCHOONOVER-GIEGER.
BTS & MONUMENT ARE IN GOOD CONDITION

D-3

CENTER SOUTH 1/4 SECTION 6

By SOB-DIVISION SURVEY OF SECTION 6, I ESTABLISHED THIS CORNER AT THE MID-POINT AND ON THE NORTH-SOUTH 1/4 LINE BETWEEN THE CENTER 1/4 CORNER AND THE SOUTH 1/4 CORNER.

TO PERPETUATE THIS CORNER SET 5 1/2 X 5 1/2 X 24" CONCRETE MONUMENT FLUSH WITH LAWN CAPPED WITH 3" DIA. BRASS TABLET MARKED

T141N R31W

C

S 1/16 | S 6

C

1978

WITNESSED BY

RLS NO 12261

W. PINE 17", N 46° W, 185.33', CS 1/16 S 6 BT

W. PINE 24", N 89° W, 176.41', CS 1/16 S 6 BT

* W. OAK 12", S 53° E, 173.40', CS 1/16 S 6 BT

* TWIN OAK, NORTH TREE SCRIBED

74

2-15-94

FD MONUMENT IN GOOD CONDITION FLUSH WITH GROUND. 1978 W. PINES BT'S REMOVED BY ROAD CONSTRUCTION. MKD TWO NEW BT'S.

1978 W OAK 14" S 53° E 173.40' TO NEW SPK SCRIBE OVERGROUND

NEW R. PINE 13 N 30° E 56.60' MKD CS 1/16 S 6 BT

R. PINE 10 NOSE 65.22' MKD " " "

8" STEEL SIGN POST SOUTH 2.8'

MILE POINT # 20 ON SOUTH BOUNDARY OF LEECH
LAKE RESERVATION - IN SECTION 13

NOTE OF ORIGINAL GOVT. SURVEY 1873

SET POST

W. PINE 7 N3E 88 LKS. = 58.08'

N. PINE 12 S74E 94 LKS. = 62.04'

NOTES OF GLO RESURVEY 1917

PAGE 11 OF FIELD NOTES - STATES THEY SEARCHED

FOR MILE POST #20 AND NO TRACE WAS FOUND

NORTH BETWEEN SECTION 13+14 - 73.10 CHS.
4824.6' INTER SECT RESERVATION LINE

FROM MILE POINT 19 N79°33'W 48.50 CHS. = 32.01'
INTERSECT RANGE LINE - 16.88 CHS. = 1114.08'
NORTH OF '14 CORNER BETWEEN SEC'S, 13+18

MILE POINT #21 ON SOUTH BOUNDARY OF LEECH
LAKE RESERVATION - IN SECTION 14

NOTES OF ORIGINAL GOVT. SURVEY 1873

SET POST

N. PINE 22 S26E 4 LKS. = 2.64'

(1985 GS) FD. LARGE PINE STUMP BADLY ROTTED NO MARKS

N. PINE 28 N13E 34 LKS. = 22.44'

FD. LARGE PINE STUMP BADLY ROTTED - NO MARKS

7/19/85 R.L.S. GARY H. STEVENSON

SET A 2" X 2" X 36" STEEL POST WITH 3" SQD.
ALUMINUM CAP MARKED, (COUNTY MONU.)
CASS

WITNESSED BY

J. PINE 12 S55W 39.01' SPK +

J. PINE 12 N20E 36.74' SPK +

J. PINE 12 S70E 37.33' SPK +

3' COUNTY STEEL SIGN POST BESIDE MONU.

WEST TRUE LINE BETWEEN SECTIONS 11 & 14
38.110 CHS. = 2514.6' INTERSECT RES. LINE

SOUTH WEST CORNER OF SOUTH BOUNDARY OF
LEECH LAKE RESERVATION IN SECTION 11

IN SHINGOBBEE BAY OF LEECH LAKE

NOTES OF ORIGINAL SURVEY 1873

SET POST 6" SQUAD - IN MARSH

TAM. 8 553 E 172 LKS. = 113.5'

(1985 GS) NO EVIDENCE OF THIS BT

N. PINE 10 587 E 650 LKS. = 429.0'

(1985 GS) FD. LARGE PINE STUMP BADLY DECAYED NO MARKS
ON STUMP

7/19/85 R.L.S. GARY H. STEVENSON IN HIS SUBDIVISION
OF SECTION 11 (PRIVATE SURVEY) REESTABLISH THIS CORNER
BY SURVEY

SET 2" X 2" X 36" STEEL POST WITH 3" SQD.

ALUMINUM CAP MARKED

REFERENCE POINT

ON RESERVATION LINE

TRUE CORNER IS IN SHINGOBBEE BAY IN APPROX. 2' OF
WATER - 215.10' WESTERLY OF REFERENCE MONU.

TIES TO REFERENCE MONU:

BUR. SPRUCE	9	⁷² N 65° W	5.50'	SPK + TAG
W. SPRUCE	13	³³ S 25° W	19.20'	SPK + TAG
BALSAM	11	¹⁴ N 80° E	26.54'	SPK + TAG

3' COUNTY STEEL SIGN POST ON EAST SIDE OF MONU.

SEE CORNER CERTIFICATE FOR ADDITIONAL INFORMATION
ON TIES TO SECTION CORNER TO SW

FROM MILE POINT # 21 N 79° 33' W - 36.35 CHS.
2399.1' TO SW CORNER OF RES. LINE

ON MARSH 5.25 CHS. = 346.5' NORTH AND
17.00 CHS. = 1122' EAST OF SECTION CORNER TO SECS.
10, 11, 14, 15

2184.00' EASTERLY TO MILE POINT # 21

78

SECTION CORNER TO SECTIONS 1-2-11-12

NOTES OF ORIG. GOVT. SURVEY 1873

SET WOOD POST

N. PINE 13 S60E 90 LKS. 59.4'

NOW ABANDONED R.R. GRADE AT BRG. 401ST.

PINE 8 S31W 70 LKS. 46.2'

NO EVIDENCE REMAINS

N. PINE 8 N42E 60 LKS. 39.6'

IN GRADE OF ABANDON R.R.

N. PINE 10 N67W 13 LKS. 8.58'

NO EVIDENCE REMAINS

NOTES OF GLO RESURVEY 1917

FOUND 2" IRON CAPPED PIPE BY COUNTY SURVEYOR

ALONG SDE CO. IRON SET 2" X 36" IRON POST WITH CAP MKD.

FD. 2" IRON CAP IN PLACE - IN GOOD TRAIN R31W

CONDITION 8" ABOVE GROUND

FROM WHICH

OAK 3 S51E 43 LKS. 28.38

NO EVIDENCE OF GLO OAK AT BRG. 401ST.

NO OTHER AVAILABLE

MOUND OF STONE 2' BASE - WEST OF COR.

7/13/87 CRTF

RS. 2" CAPPED CO. IRON WEST 0.6' IN PLACE BESIDE
 GLO IRON - CO. IRON STANDS 16" HIGH
 40" IRON'S. ARE WEST OF N.Y.S. ABANDONED R.R. GRADE
 PLACE ROCK RING AROUND IRON'S ON SIDE HILL STEEP

MARKED NEW BT'S.

N. PINE 7 NORTH 26.41' MKD SZ BT

N. PINE 15 S26°W 43.09' MKD TRAIN R31W S11 BT

J. PINE 4 S12°W 19.83' SPK + TAG

8' FGSP DUE SOUTH 9.0' WARNING STICKER

OLD PINE STP. N12W 16.2' MAY BE CO. BT.

" " " S51W 13.9' " " " "

CURVE TABLES.

Published by KEUFFEL & ESSER CO.

HOW TO USE CURVE TABLES.

Table I. contains Tangents and External to a 1° curve. Tan. and Ext. to any other radius may be found nearly enough, by dividing the Tan. or Ext. opposite the given Central Angle by the given degree of curve.

To find Deg. of Curve, having the Central Angle and Tangent: Divide Tan. opposite the given Central Angle by the given Tangent.

To find Deg. of Curve, having the Central Angle and External: Divide Ext. opposite the given Central Angle by the given External.

To find Nat. Tan. and Nat. Ex. Sec. for any angle by Table I.: Tan. or Ext. of twice the given angle divided by the radius of a 1° curve will be the Nat. Tan. or Nat. Ex. Sec.

EXAMPLE.

Wanted a Curve with an Ext. of about 12 ft. Angle of Intersection or I. P. = 23° 20' to the R. at Station 542+72.

Ext. in Tab. I opposite 23° 20' = 120.87
 $120.87 \div 12 = 10.07$. Say a 10° Curve.

Tan. in Tab. I opp. 23° 20' = 1183.1
 $1183.1 \div 10 = 118.31$.

Correction for A. 23° 20' for a 10° Cur. = 0.16
 $118.31 + 0.16 = 118.47 = \text{corrected Tangent.}$

(If corrected Ext. is required find in same way)
 Ang. 23° 20' = $23.33^\circ \div 10 = 2.3333 = \text{L. C.}$

2° 19½' = def. for sta.	542	I. P. = sta.	542+72
4° 49½' = " " "	+50	Tan. =	118.47
7° 19½' = " " "	543	B. C. = sta.	541+53.53
9° 49½' = " " "	+50	L. C. =	2.33.33
11° 40' = " " "	543+	E. C. = Sta.	543+86.86
	86.86		

$100 - 53.53 = 46.47 \times 3' (\text{def. for 1 ft. of } 10^\circ \text{ Cur.}) = 139.41' =$

2° 19½' = def. for sta. 542.

Def. for 50 ft. = 2° 30' for a 10° Curve.

Def. for 36.86 ft. = 1° 50½' for a 10° Curve.

