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Survey Record No. 492.

Plat:

Twp. 136 N., Rge. 30 W. 5th P.M.

H.C.

10 11
15 14

11 12
14 13

15

U.S. 1/45th Cor.

Sec. 14.
5275.6'

U.S. 1/45th Cor.

13

15 14
22 23

14 13
23 24

- Field notes of the survey of sec. 14 Twp. 136 Rge. 30 W. of 5th P.M.
- Jan. 19, 1917 Henry Hansen with team takes me and survey outfit to W. H. Cloud's farm where I am to run the E & W $\frac{1}{4}$ line of sec. 14. We arrive at 4-30 P.M. Charge \$.75.
- Jan. 20 Horst, transit, Carl Hanson, axe & flagman. We walk to pt. for $\frac{1}{4}$ cor. on W. side sec. 14 where U.S. notes call for post and Open 14 S 52° E. 9.9' + B. Oak 9 S 31° W. 7.92'. Both have been grubbed out in building S. R. N. #80. This cor. has been established previous to survey for S. R. N. + m'd by a $2\frac{1}{2} \times 4\frac{1}{2}$ I.M. We find I.M. with following B. Oak Fence post N.W. 44.0' + Fence post E. 29.9'. I remark these and start line E. thru sec. 14 at $2^{\circ}15'$ var. We cut line and set spikes about 74 m.
- Jan. 22 Horst, transit, chain & axe, Roy Hershey, chain, flag & axe. We begin at I.M. $\frac{1}{4}$ cor. bet. sec. s 14-15-13.6-30 + Chain E. on E & W E. At 939.6' set spike; 1377.5' spike; 2626' fence post; 2937.7' spike; 3436.4' spike; 3992.2' hub; 4284.9' spike. Begin cutting again. At 5275.6' E. set spike. A $4\frac{1}{2} \times 3\frac{1}{2}$ " oak post sets S. 21.8' E. set transit over this post. U.S. notes call for B. Oak 12 N. 75° W. 23.76' + W. Pine 30 N. 28° E. 33.0'. Stamps of both remain and have been remarked. Post sets at true pt. for cor. At 5275.6' E. true $\frac{1}{4}$ cor. bet. sec. s 13-14 sets S. 21.8' E. Hub 939.6' goes S. 3.88' - Hub 1377.5' goes S. 5.69'. Hub 2626' goes S. 10.85'.
- Jan. 23 I take a sledge, a mattsack & some $2\frac{1}{2} \times 4\frac{1}{2}$ stakes and dig them into the ground on the true E & W $\frac{1}{4}$ line at false stations 939.6' E, 1377.5' E + at sta 2626' E under wire fence. Roy Hershey with team takes me to Reguot. I see W. H. Cloud + he pays me \$15 for 3 days. I return to Walker.

Recorded March 20, 1922

James H. Flynn, Co. Surveyor.
By E. B. Horst, Deputy.

Survey Record No. 493.

Field notes of the survey of a Trap road in Twp. 142 N Rge.
27 W. of the Fifth Principle Meridian.
Oct 13, 1921 E. B. Harst, transit, B. B. Bartlett, chain, Geo. Dan, & W. E.
Countryman, axmen, begin at the U.S. I.M. sec. cor. sec.s 25-30-31-
36-142-27 & 28. Thence S. $89^{\circ}40'$ E. on true sec. line (run by G. L. O.
survey) bet. sec.s 30-31. At 112.0' ent. cedar sup; 1532.6' U.S. I.M.
at W. 46 cor.; 2040' lv. cedar sup; 2215.3' tract cor. mk'd T.R. 16 99
A.P. 4. U.S. G.L.O. I.M.; 2897.2' the U.S. G.L.O. I.M. at the original U.S. 1/4
sec. cor. bet. sec.s 30-31-142-27. N. E. original B. I. still present
but lying down. S. E. tree standing green. We return W. to
sta. 2750' E. on sec. line, thence N. $19^{\circ}30'$ E. on cutout road. 766.5'
thence N. $48^{\circ}30'$ E. 235.0', thence S. $71^{\circ}30'$ E. 275.0', thence S. $58^{\circ}45'$ E. At
100.0' ent. meadow; 325' lv. meadow Int. seawall; 454.5' A.P. # 5,
thence S. $32^{\circ}15'$ E. At 68.0' int. log pier; 83.0' cen. of creek N. 30° E.;
98.0' lv. log pier. 13.0' span over creek; 206.0' A.P. # 6, thence S. $57^{\circ}00'$
E. 391.5' to sec. line bet. sec.s 30-31, thence S. $86^{\circ}30'$ E. At 1400.0' int.
the U.S. I.M. at the cor. to sec.s 29-30-31-32-142-27.

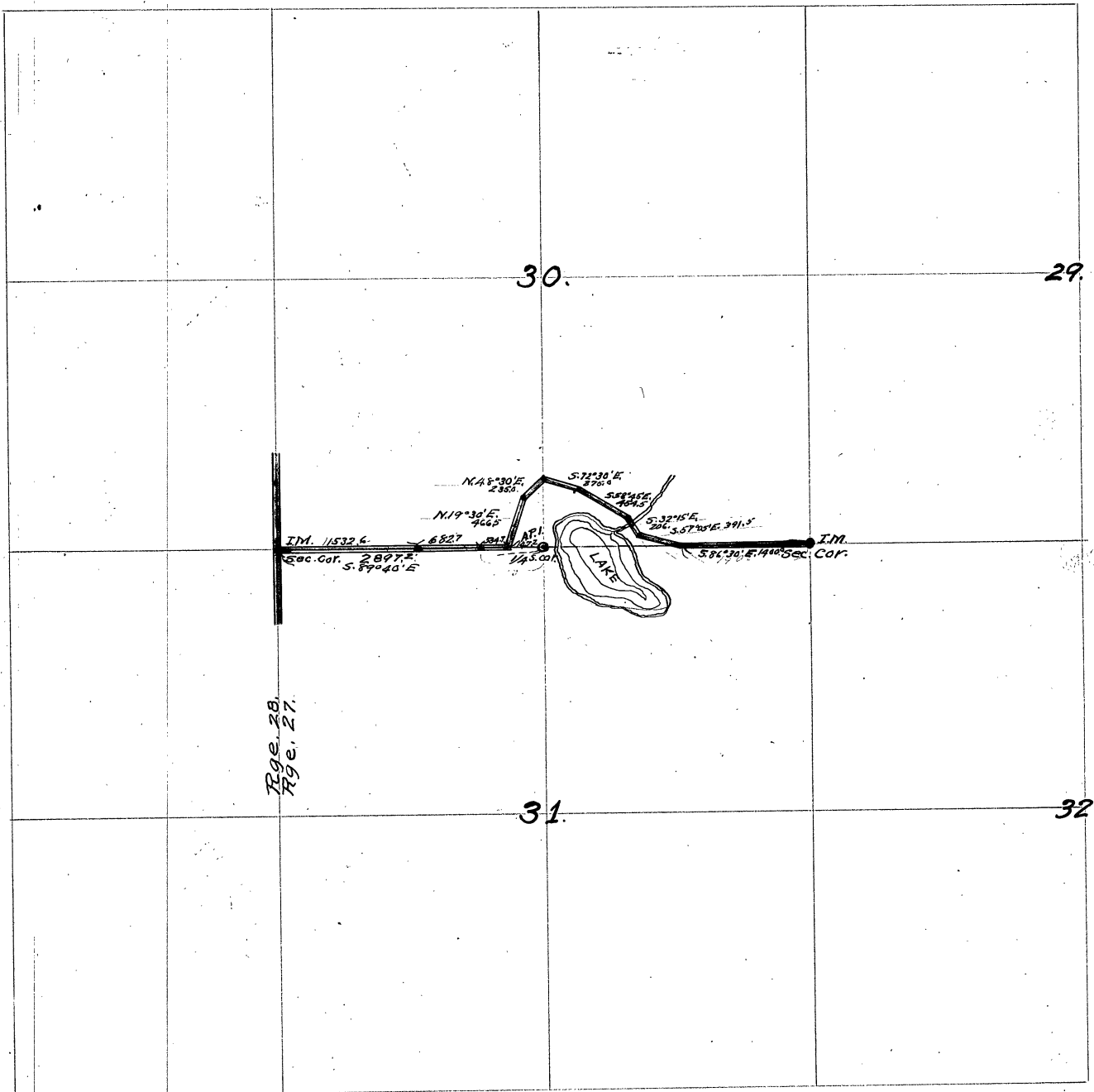
Recorded March 21, 1922.

James H. Flynn, Co. Surveyor.
By E. B. Harst, Deputy.

Plat:

Survey Record No. 493.

Twp. 142 N., Rge. 27 W., 5th P.M. Minn.



30.

29.

31.

32.

Rge. 28,
Rge. 27.

IM. 11532.6
Sec. Cor. 2897.5
S. 89° 40' E.

N. 19° 30' E.
466.5

N. 45° 30' E.
230.0

S. 71° 30' E.
370.0

S. 88° 45' E.
454.5

S. 32° 15' E.
220.0 S. 57° 00' E. 391.5

S. 86° 30' E. 1440.0 Sec. Cor.

IM.

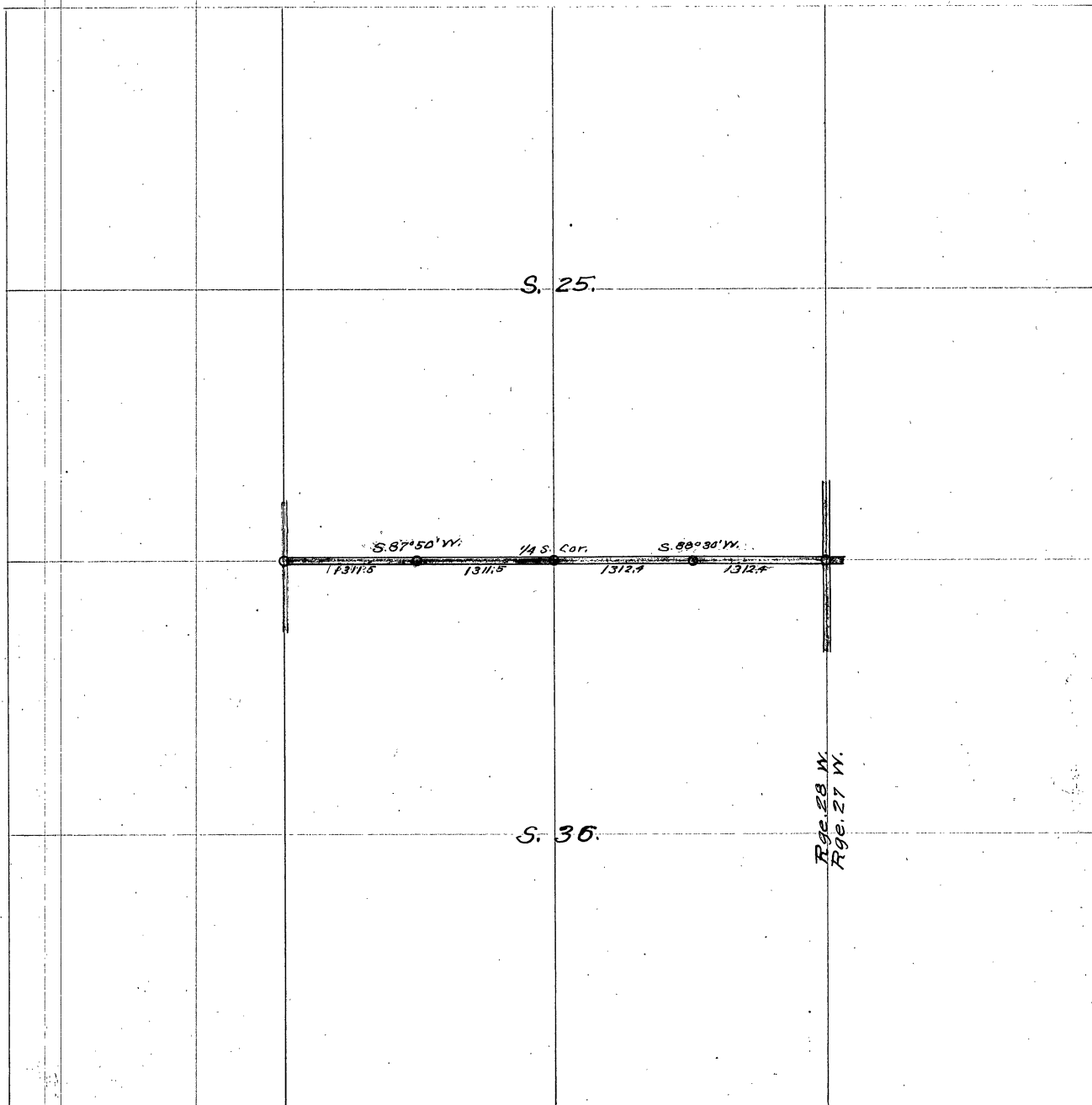
1/4 Sec. Cor.



Survey Record No. 494.

Plat.

Twp. 142 N., Rge. 28 W. 5th P.M. Minn.



D

Field notes of the survey of a Twp. road in Twp. 142 N. Rge 28 W. of the Fifth Principle Meridian.

Oct. 14, 1921. E. B. Horst, transit; B. B. Bartlett, chainman, George & W. H. Countryman & W. H. Huffman, axemen, run due W. from cor. of sec. s 25-36 on Rge. line bet. sec. s 25-36-142-28 on U. S. survey line. At 75.0' ent. swp; 200 lv. swp; 1320 set stakes; 1400 ent. swp; 1820 lv. swp; 2624.8' the U. S. 1.M. at the 1/4 sec. cor. bet. sec. s 25-36 sets S. 74.0'. True bearing of true line is S. 88° 30' W. Set transit over 1/4 cor. & run S. 87° 50' W. on true sec. line. At 900 ent. swp; 1311.5' a wood post at the W. 1/4 cor.; 2100 lv. swp; 2450 ent. meadow; 2623 the U. S. 1.M. at the cor. of sec. s 25-26-35-36. New B. T. to the 1/4 sec. cor. ²⁵⁷ acc:

Oct 14 S. 65° 15' W. 65.4' } 1/4 S. = 1.M. U.S. G.D.O.

W. Pine 8 N. 15° 00' E. 71.4' } survey (1919)

With transit on sec. cor. (on Rge. line) of sec. s 25-30-31-36 true bearing of range line = N. 0° 23' E.

Recorded March 21, 1922.

James H. Flynn, Co. Surveyor.

By E. B. Horst, Deputy.

Survey Record No. 495.

Field notes of the survey of a trap road in Twp. 133 N. Rge. 31
W. of the Fifth Principal Meridian

Feb. 15, 1921. E. B. Horst leaves Walker on 8⁴⁷ train for Mottley.
Met at Mottley by Homer Lawhead who drives me to his place.
We begin survey of a trap road running S. bet. sec. s 16
and 17. From stone mark at cor. to sec. s 8-9-16-17 (set from
U.S. B.T.s which are still there) I run a sand line S. $15^{\circ} 15' E$
($8^{\circ} 45'$ var) following a 4-year old fence. At 570.0 set hub; 797
set hub; 1320 set hub; 2640 set hub and look for $1/4$ cor.
Popen 8 N. $88^{\circ} W$. 60 links and Pine 8 S. $24^{\circ} 30' E$. 71 links which
are obliterated. Cont. line. At 2980 N.P. Rg.; 3960 set hub; 4555
set hub on high N. bank of Crawing River. I make a thro
search for M.C. No. 14, which is: N. Pine 20 N. $10^{\circ} 30' W$. 96.0
and a W. Oak 6 S. $50^{\circ} 15' E$. 47 links, which are obliterated. We
cross over the river to S. side and look for M.C. No. 13, which is
Spruce 10 N. $57^{\circ} W$. 35 links and Spruce 6 S. $37^{\circ} E$. 53 links,
which are also obliterated.

Feb. 17. Horst, Homer Lawhead, Earl Lawhead & Martin Ross wald cont.
old line S. bet. sec. s 16-17 across Crawing River. At 4600 ent.
river; 5085 br. river; 5505.2 int. on E. & W. sand line at sta.
15757.3' W. of 1M. at cor. to sec. s 13-14-23-24. N. E. angle at P.I. = $90^{\circ} 38'$.
Meridional pt. for S.W. cor. sec. 16 is at sta. 16178.9' W. Correction
07.66 W. per ft. S. = tan. $4^{\circ} 22'$. I set a wood post W. E. M.C. on N. bank
of river at sta. 3988.0 S. New B.T.s: Hor. Pine 12 N. $20^{\circ} W$. 46.4' & W. Oak
7 W. 31.0'. Carry hubs 2640-1320-570 W. to true line but set no
intermediate pts. to represent cor. as their lat. cannot be determined
from the information we have.

Feb. 18. We begin at sec. cor. to sec. s 10-11-14-15 which has been est.
more than 25 years ago and was identified by the old residents
from an old fence cor. post which is 26.5' S. and a stake at the
cor. which was referenced in by the Highway Eng. on State road work.
I run a sand line S. along an old fence (at $12^{\circ} 15'$ var.) At 1222.8'
turn R. $6^{\circ} 45'$. At 2600.0' turn L. $3^{\circ} 22'$. There are signs of a $1/4$ cor. once
having been here but they are not sufficient from which to re-
establish the cor. At 5182.0' int. sand line run W. by me in 1915.
At 5328.0' W. set P.I. hub; 6600' hub W. side of fence; 8046.0' hub W. of
small house on high hill. See river S. of us. (at 8000 road turns to R.)
At 8423 P.I. N.P. Rg.; 8907' hub in field; 10126.8' hub 15.0' N. of river bank.

Feb. 19. Same crew. We look for U.S. M.C.s No. 5-6-7-8 which are all
gone and we find it necessary to find the position of the sec. cor.
sec. s 22-23-26-27 as to E. & W. by proportionate measurements from
cor. s E. & W. of this pt. We begin our vis. W. in Morrison Co. on
State road at cor. to sec. s 21-22-27-28 identified by Co. Commissioner's
son, and chain E. on graded road. At 4975 E. ent. river; 5300 set
stake; 5425 br. river. Chain E. on Gov't road along electric High
line (not on sec. line) At 10603 E. I set up transit, sight W. & turn
S.W. $\angle 83^{\circ} 02'$ to flag at cor. to sec. s 23-24-25-26. Dist. S. to cor. = 819.0'.

Angle of Gov't. road to sec. line = $8^{\circ}47'$ Var. of Gov't trail = $16^{\circ}E$ Mag.
 Big. of sec. line = $S. 88^{\circ}28'E$ Total dist. of the two mi. = $10566.8'$
 Length of sec. W. of cor. in R. = $5284.0'$ Length of sec. E. of cor. in
 R. = $5282.7'$ From 5300 chain W. $15.9'$ + set a stake on Meridian of
 sec. cor. From hub. 10126.8 S. stake in river beam $L. 7^{\circ}25'-308.2'$
 or, at sta. 10432.1 S. fall $59.8'$ W. of stake on sec.

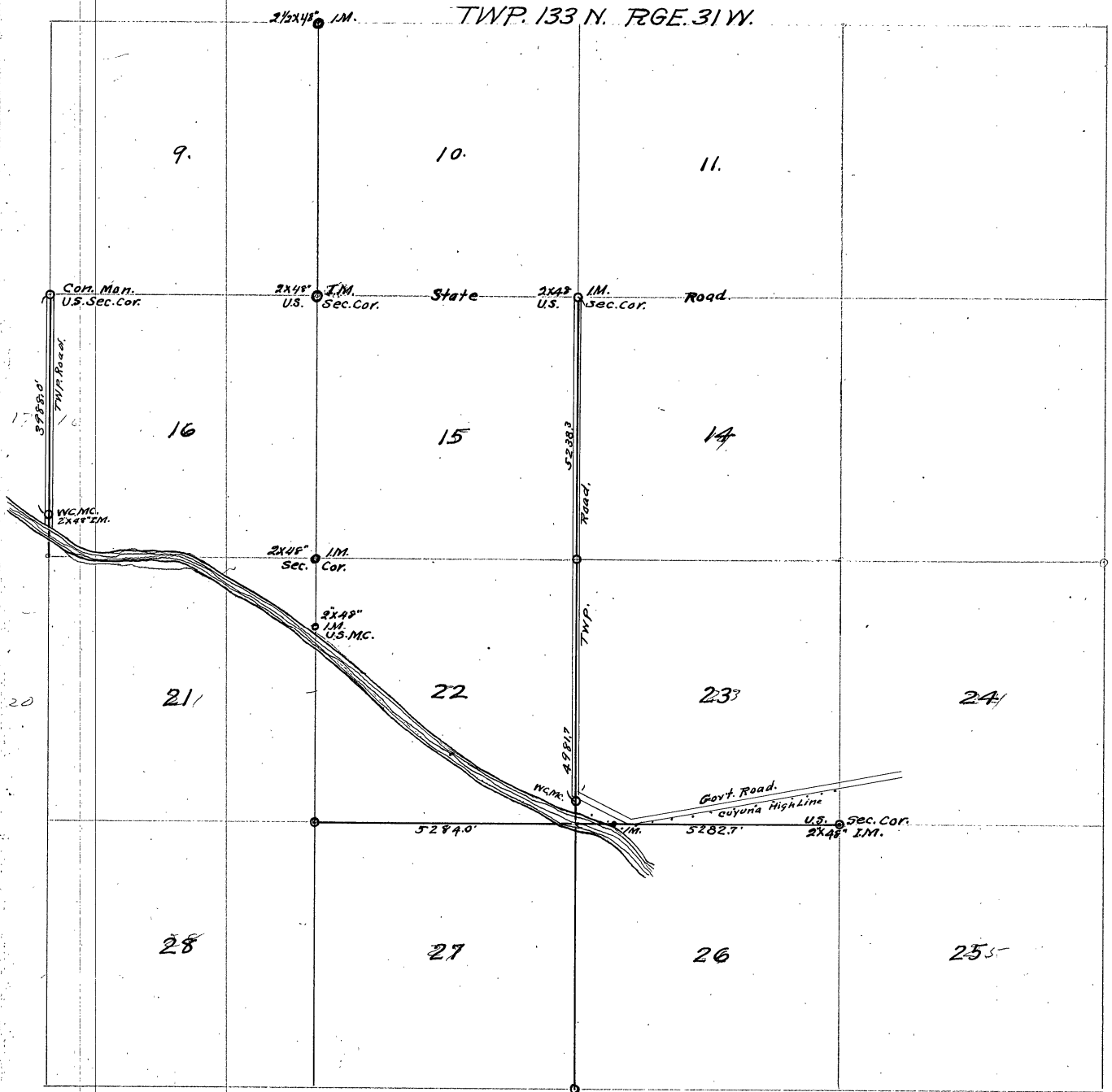
Feb. 21. Same crew. I receive 1 M. which I shipped from Walker
 and we go to correct our lines as follows: I correct hub. $10126.8'$
 $E. 30.6'$, sight S. to stake in river + chain S. from corrected hub
 $58.0'$ + set W. C. to M. C. No. 6, a $2 \times 48''$ I.M. mk'd W. C. M. C. W. C. M. C. is
 at sta. 10180.8 true dist. + M. C. no. 6 at sta. $10216.0'$ true distance.
 Correction is due to traverse of fence line bet. sec. 14-15. Total
 dist. U.S. chain from cor. sec. 10-11-14-15 S. to M. C. No. 6 = $10305.24'$
 My chain same line = $10216.0'$ One ft. U.S. chain = $.99134'$ my chain.
 $52800'$ U.S. chain = $5234.3'$ my chain = length of line bet. sec. 14-15.
 Sec. cor. of 14-15 = 22-23 at sta. $5238.3'$ S. goes W. length of line bet. sec.
 22-23 from sec. cor. S. to river = $4981.7'$ Correcting back: Correction
 = 029.08 W. per ft. $71 - 39.8'$. At 74 cor. bet. sec. 22-23 I drive an iron
 shaft $1 \frac{1}{2} \times 2 \frac{1}{2}''$ for cor. At P.I. near cor. to sec. chain $56.3'$ S. + W.
 $112.0'$ and set a $2 \times 48''$ I.M. At cor. to sec. 23-24-25-26 set a $2 \times 48''$ I.M.
 at P.I. of four fences. Found stumps of N.W. + S.W. Pine B.T.s. At
 M. C. No. 10 bet. sec. 21-22 set I.M. at W. C. M. C. At W. C. M. C. bet. sec.
 16 and 17 set a $2'' \times 48''$ I.M.

Recorded March 21, 1922.

James R. Flynn, Co. Surveyor
 By C. B. Horst, Deputy.

Survey Record No. 495.

TWP. 133 N. RGE. 31 W.



2 1/2 x 4 1/2" I.M.

2 x 4 1/2" U.S. Sec. Cor. I.M.

2 x 4 1/2" U.S. Sec. Cor. I.M.

2 x 4 1/2" U.S. Sec. Cor. I.M.

2 x 4 1/2" U.S. MC. I.M.

W.C.M.C. I.M.

U.S. Sec. Cor. 2 x 4 1/2" I.M.

Con. Man. U.S. Sec. Cor.

State Road

Road

Govt. Road

Cuyuna High Line

3 5/8 x 8 1/2" TWP. Road

5 2/8 x 8 1/2" Road

TWP.

4 5/8 x 1 1/2" W.C.M.C.

5 2 7/4 0'

5 2 8 2 7'

9.

10.

11.

16

15

14

21

22

23

24

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27

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25

20

Survey Record No. 496.

- Survey of sec. 20 Twp. 139 N. Rge. 31 W. of the 5th P.M.
- Sept. 21, 1915. P.M. Scott, transit, J.C. Compton & E. Luiten, axe, & Holden, flag & chain. We go to I.M. S.W. sec. cor. set by Curd & start S. sand. line running E on 10° var, chaining with 100' steel tape. At 1452.2' hub; 2341.2' hub; 3000.3' hub; 3952.1' hub; 4324.5' hub; 4765' hub; 5098.5' hub. Could not locate 1/4 cor. cruised for S.E. sec. cor. but think B.T.s have been removed by fire as all stumps are badly burned.
- Sept. 22. We start at N.W. cor. I.M. sec. 20-139-31, run E on 10° 15' var. At 1063.4' hub; 1810.5' hub; 3303.2' hub; 4248.2' hub. Cruised for 1/4 cor. but could find no evidence of bearings trees.
- Sept. 23. We continue running E on N. random line. Branch heavy. At 4844.3' hub; 5050.7' hub; 5338.7' hub. We go to E 1/4 I.M. (set by Curd) of sec. 17-139-31 & run S on 9° var. At 1083.9' hub; 1858.9' hub.
- Sept. 24. We continue running S on E 1/2 of sec. 17-139-31. At 2224.9' hub; 3864.0' hub; 4384' hub; 4587.6' hub; 4' from this hub we triangulate a small lake. Hub across lake is at 5354.4' At 5061' leave lake. I find one B.T. for N.E. cor. sec. 20-139-31.
- Sept. 25. I call up Ed Luiten and altho it is raining he is in favor of cruising for B.T.s of S.E. cor. of sec. 20. We look all afternoon for them but are unable to locate any. Stumps all burned.
- Sept. 26. We cont. running S on E random line of sec. 20. At 6556.8' set hub. We cut line until we intersect S. sand. line.
- Sept. 29. Scott, Holden, & Luiten. Scott & Holden chain the remainder of E. random line. At 7896.8' hub at P.I. We then cont. running E on S. boundary, starting our chainage from 5298.5' Hub at 5890.7'.
- Sept. 30. Scott, transit, Compton & Luiten, axe & flag. We cont. running E on S. sand. line. At 6111.6' hub & triangulate lake. Distances across lake is 534.6'. Hub at 6646.2'. Hub at 6793.4'. We triangulate another lake from hub 6793.4'. Dist = 637.4'. Set hub at 7430.8'. Set hub at 7980.3' which is temp. 1/4 cor. We find B.T.s for S. 1/4 cor. sec. 21-139-31 which are as follows: Nor. Pine 20 N. 28° 30' E. 10 links and Nor. Pine 15 S. 65° 15' W. 30 links. With A. & B. transit & 50' metallic tape we set temp. 1/4 cor.
- Oct. 1. In checking Gov't. chainage we find that they have 5289.9' for S. boundary sec. 20 & the W. 1/2 of S. boundary of sec. 21-139-31 = 2640'. Our chainage of same = 7980.3'. At 7980.3' temp. 1/4 cor. sets N. 6.2' so at 5323.5' the temp. S.E. sec. cor. sec. 20 sets N. 4.1'. We set temp. sec. cor. at 90° from E. sand. line sta. 7909.8' temp. sec. cor. sets W. 50'. We then go to N.E. cor. sec. 20 & from B.T.s which are as follows: Tam. 6 N. 60° W. 59 links - Tam. 8 S. 88° E. 56 links - W. Pine 7 S. 22° 45' E. 79 links - Aspen 7 S. 31° 15' W. 29 links. The B.T. shows plainly on 6" Tam. & from this we find remains of other B.T.s. Set temp. cor. with flat chain. Distances check out & alignment good. We find that temp. sec. cor. sets 109.0' S. of N. sand. at 90° from sta. 5354.3' & 90° from E. random line at sta. 2647.8' temp. sec. cor. sets W. 8.8'. If cor. sets 109° S. at 5334.3', then

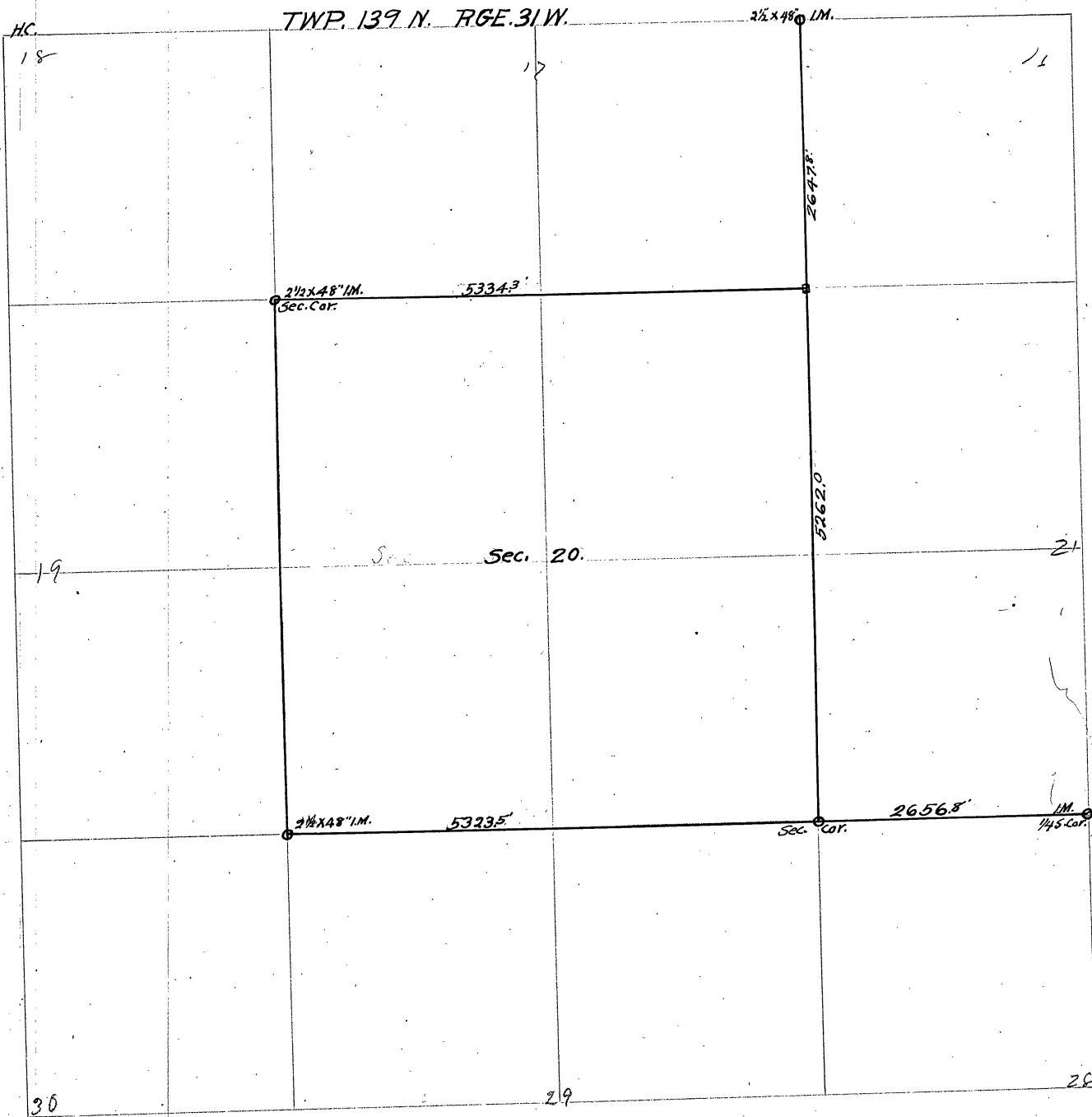
Survey Record No. 496

at hub 1063.4 line run S. 21.7' At 1063.4' of N. sand line
90° S. 21.7' we place a hub as transit pt. & turn N. E. 1. M.
as back sight we start running correction line E. to temp.
sec. cor., cutting brush & kinkling.

Oct. 2 We continue running E. on N. correction line. Find
temp. sec. cor. sets N. 0.5'. At the request of J. Luster
I make statements as to cost of survey. The Board meets
& I receive compensation to date.

Recorded March 29, 1922

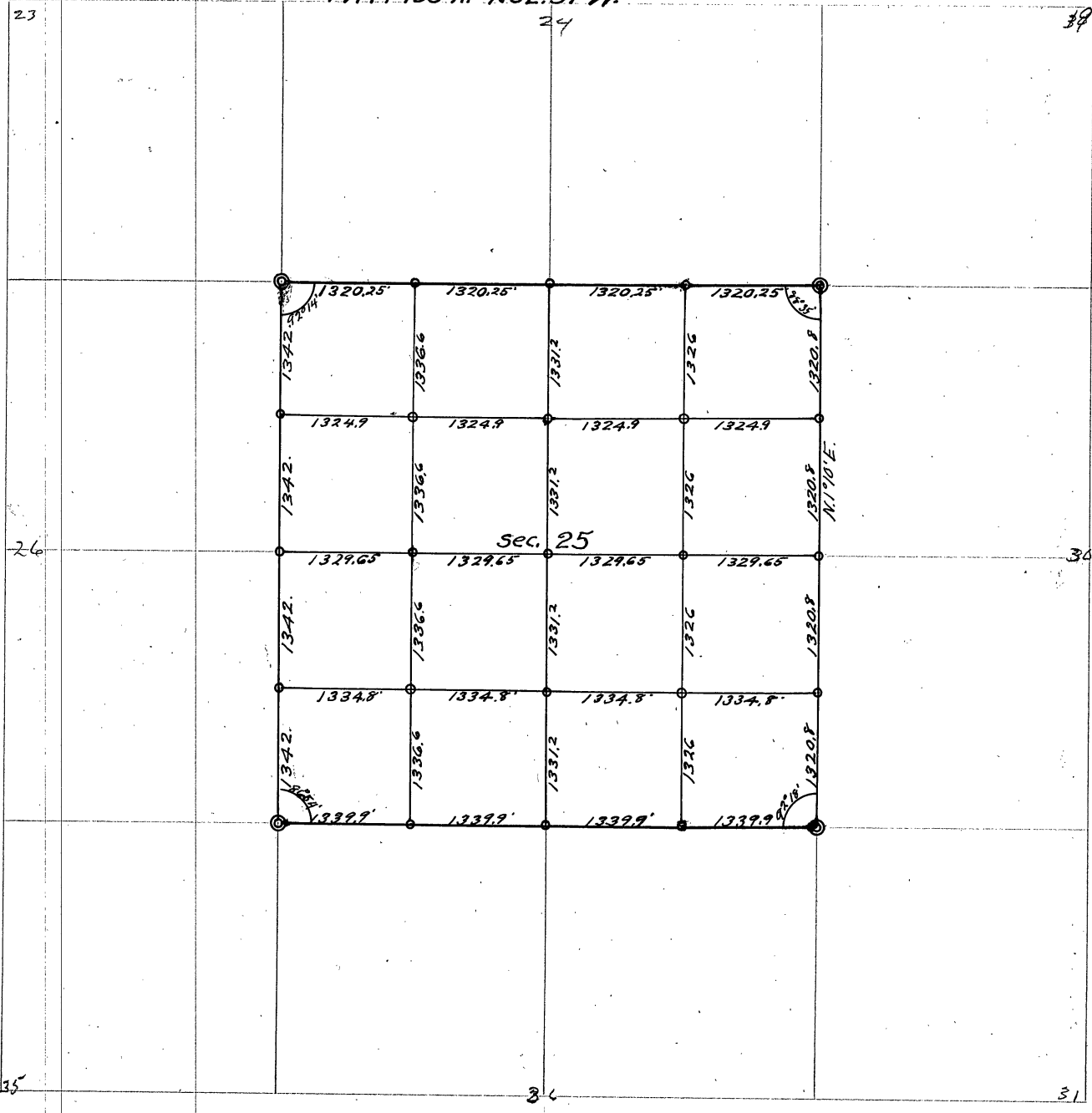
James H. G. Lynn, Co. Surveyor
By E. B. West, Deputy



Survey Record No. 497.

K.A.

TWP. 138 N. RGE. 31 W.



23

24

28

26

sec. 25

30

35

36

31

- Field notes of the subdivision of sec. 25 Twp 138 N. Rge. 31 W.
of the Fifth Principal Meridian
- April 1, 1921. E. B. Horst, B. F. Clark, Roy Carl, & Roy Devore and A. Benson
in crew. I use a Burt solar transit. True bearing of rge.
line on E. side of sec. 25 = S. 0° 05' W. N. line sec. 25 = S. 88° 35' W.
We chain the N. line sec. 25. At 1328.2 set hub; 2641.7 1/4 cor. bet.
24-25 1.M.; 3962.0 W. 1/6 cor. wood post; 5281.0 the sec. cor. to 23-24-
25-26 an 1.M. from which I run S. on the W. line of sec. 25.
At 310.0 ent. Pine River; 460.0 lv. river bottoms; 781.0 old road E. & W.
1320.0 set hub; 1458.1 hub & tack; 2640.0 hub and stake for 1/4 cor.
bet. 25-26 which is gone. Cont. S. At 3741.3 hub; 3960.0 hub; 3970.0
ent. swp.; 5367.0 the cor. post of an old fence sets W. 73.7' &
is at this pt. for cor. I find the N.W. U.S. B.T. Pam. plainly mkd.
Set a tack in post at this pt. for cor. There is no timber for
bearings. From this cor. I run N. 87° 35' E. on S. line sec. 25.
At 396.0 lv. swp.; 70.9 hub; 1320.0 set hub & tack.
- April 2. Same crew continue E. At 1326.6 hub; 2075.0 old road N. & S.;
2640.0 set hub. U.S. cor. gone; 3543.6 hub; 3770.0 ent. swp.; 5359.6
the 1.M. at S. E. cor. sec. 25 sets S. 3.0' N.W. angle to true E.
boundary = 92° 21' to road. S. line. Begin at N. E. cor. sec. 25 -
turn S.W. \angle 88° 35' & run S. on Range line. At 1320.8 set N. 1/6 cor.
1865.0 ent. swp.; 2641.6 set 1/4 cor.; 2939.0 N. edge of Pine River; 2960.0
S. edge of Pine River; 3159.0 lv. swp.; 3962.4 set S. 1/6 cor.; 5283.4 S. E.
cor. sec. 25. We set a hub at this pt. for E. 1/6 cor. on N. boundary
sec. 25 at 1320.25' W. I go to Walker leaving Clark in charge.
- April 4. Begin at the established 1/4 cor. an 1.M. in to road on the N.
boundary sec. 25 & turn S. 88° 35' W. At 800.0 ent. meadow; 940.0
ent. Pine River; 1067.0 lv. River; 1320.0 set a temp. 1/6 pt.; 1500.0 ent.
swp.; 2346.0 a wing of Pine River dam; 2492.0 sta. 1; 2640.0 set a
temp. pt.; 4978.0 sta. 2; 5324.0 int. sec. line on S. boundary sec.
25 1.65' E. of the 1/4 cor.
- April 6. Begin at the established 1/4 point on the E. boundary sec.
25, taken angle, & run W. on 1/4 line. At 175.0 ent. Pine River; 222.0
meadow; 258.0 ent. Pine river; 281.0 meadow; 425.0 ent. swp.; 1329.6 set
a temp. 1/6 pt. & lv. swp.; 2659.3 true N. & S. 1/4 line; 2729.3 wing of
Pine river dam; 2735.0 swamp; 3988.9 set temp. 1/6 pt.; 4300.0 lv. swp.;
5318.6 true 1/4 cor. on W. boundary sec. 25. Begin at 1/4 cor.
on N. boundary & run true line S. & tied on all the cor. back to
the 1/4 cor. on S. boundary. Each 1/4 is 1331.0' in length.
True line closes at 6° 40' var. The E. & W. 1/4 line closes at 8° 45'.
- April 7. Begin at the S. 1/6 pt. on W. boundary & run E. on true line
Tied on the 1/6 cor. at 1334.8'. At 2669.5 the 1/6 pt. on the N. & S.
1/4 line tied on cen. of post. At 3118.0 on cen. of post. At 5000.0
lv. swp. At 5336.4 the 1/6 pt. on E. boundary sec. 25 sets 2.0' N.
- April 8. Begin at the W. 1/6 pt. on the N. boundary sec. 25 & run S. on 6° 45'
var. At 1200.0 ent. Pine River; 1334.5 tied on the cen. of post.; 1360.0 ent.
swamp; 2668.5 tied on cen. of post.; 2800.0 lv. swp.; 3974.9 tied on 1/6.

Survey Record No. 497

post; 5328.5' the $\frac{1}{16}$ post on the S. boundary sec. 25. Begin at E $\frac{1}{16}$ on S. boundary + run N. At 800 lv. swp; 1326 $\frac{1}{16}$ cor; 2120 lv. swp; 2652 $\frac{1}{16}$ on E+W $\frac{1}{4}$ line; 3600 Pine Poles; 3978 the N $\frac{1}{16}$ line; 5304 the $\frac{1}{16}$ cor. on the N. boundary sec. 25. Begin at the pt. on the N $\frac{1}{16}$ cor. on E. boundary + run E on at true $\frac{1}{16}$ line and tied on all cor. thru sec. 25. Then set 2448" iron monuments at all corners in sec. 25.

Recorded March 29, 1922

James H. Flynn, Co. Surveyor
By C. B. Horst, Deputy

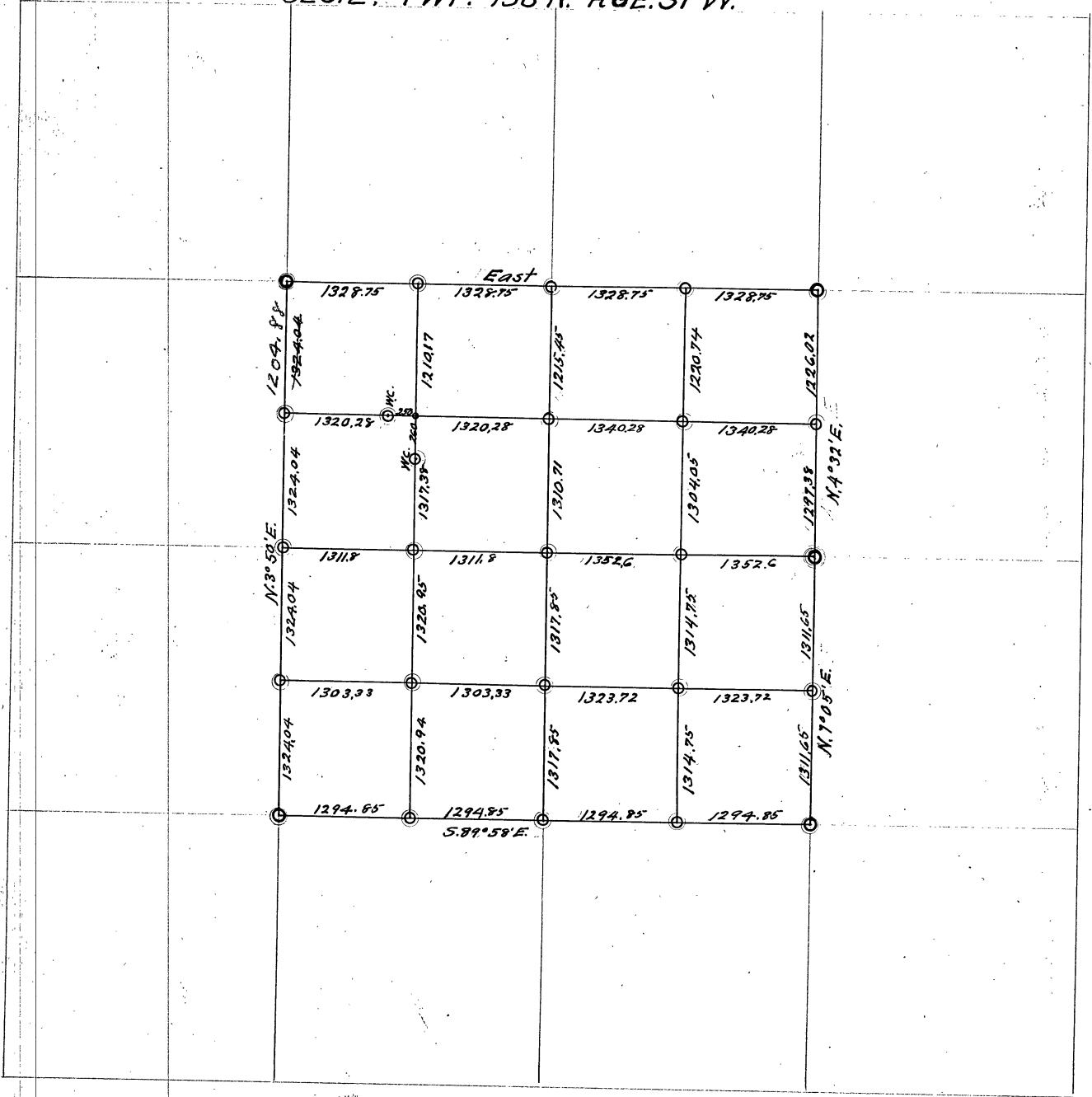
Field notes of the survey of sections 2-3-10 Twp. 138 N. Rge. 31 W.
of the Fifth Principle Meridian

Working for Cass Co. in survey of sec. 2-3-10-138-31 under Curo's
contracts No. 6-7-8 of March 2nd 1915

- Mar. 23, 1915 F. A. Donner starts the survey of sec. 2. Donner goes to N. W. C.
#6 from which he runs compass line W. on 9° var. looked for cor. to
1-2-11-12, thence W. one mi. & looked for cor. 2-3-10-11, thence N.
 $\frac{1}{2}$ mi. looked for cor. bet. 2-3. Cont. N. looking for N. W. cor. sec.
2. All B.T.s seem to be gone. Over night at Backus.
- Mar. 24. Donner walks to pt. near $\frac{1}{4}$ cor. on E. side sec. 2 but finds
no evidence of cor. Then he goes to a pt. near N. E. cor. sec. 3 from
which he runs compass line W. to N. W. cor. sec. 3 where he finds
one Oak B.T. for W. C. which U. S. notes give 450 links W. of true cor.
From this pt. Donner runs 1 mi. on compass line to N. W. cor.
sec. 10 finds no evidence of B.T. or cor. thence E. 1 mi. to S. E.
cor. sec. 10 but finds no evidence of B.T. or cor.
- Mar. 25. Donner can find no evidence of B.T. in sec. 10 and as the whole
country appears to be a solid jungle and corners & B.T. appear to be
gone. As we shall have to have more complete notes of the method
used by U. S. in their survey of these sections, he takes the 4:30 P. M.
P. M. train for Walker for the purpose of again carefully going over
U. S. notes to determine how to locate some of the old cor. in order to
find a place of beginning survey.
- Mar. 26. Curo & Donner copy & check original U. S. field notes of the survey
of sec. 2-3-10-138-31 and search the County records for later surveys
of these sections & prepare plats, plans, etc.
- April 11. Curo, Bryant, & Baldwin find an oak tree ascribed for N. W. cor. of sec.
3 but as it is about 600' too far S. W. and not marked by U. S. surveyors
we ignore it and walk to a known cor. 1 mi. W. Begin at a pt.
previously established & recorded by Co. surveyors Curo, for N. W. cor. sec.
4 we run a compass line E, rough chain & pacing. At about $\frac{1}{2}$ mi.
we find 2 oak B.T.s for the $\frac{1}{4}$ cor. on N. side sec. 4 but, as the U. S.
notes call for no oak B.T.s at this pt., we ignore it & cont. E. about
 $\frac{1}{2}$ mi. to W. C. at N. W. cor. sec. 3. When U. S. notes call for W. C.
450 links W. & Br. Oak 14 N. 39° W. 81 lks - W. P. 20 S. 40° W. 78 links.
We find the oak standing dead but plainly marked from which we
set the true W. C. from face of figures. We set a 6' stake & red flag
in W. edge of small lake. We find the roots of the old S. W. B.T. but
no marks. Walk to camp for dinner. Bryant fixes tent & looks
for B.T.s in sec. 10. Baldwin & Curo go to E. side of lake near N. W. cor.
sec. 3, set compass on line till flag at W. C. on W. side of lake line
W. at $9^\circ 50'$ var & run E. a few hundred feet to top of hill where
we set stake to cut by. Then run compass line $\frac{1}{2}$ mi. & look for B.T.s
to $\frac{1}{4}$ on N. side of sec. 3. Thence the balance of the mi. to cor. of 2-3 &
look for B.T.s. Thence S. & look for $\frac{1}{4}$ cor. bet. 2-3. Find nothing.

Survey Record No. 498.
K.A.

SEC. 2, TWP. 138 N. RGE. 31 W.



- April 12. W^{ms} Berqueen arrives in camp. Cuss & Baldwin look for the $\frac{1}{4}$ cor. bet. 2-3. Bryant looks for corners in sec. 10. Cuss & Baldwin set M.C. #6 & run compass line W $\frac{1}{4}$ mi. Cuss goes to Walker.
- April 13. Chas Hanks jr & Roy Bryant; H. & B. Transit, run line E on N. side of sec. 3. Baldwin & Berqueen cut pocket line W from M.C. #6. Bryant sets hub 'a' on E. side of small lake, focus telescope on red flag at true W.C. to sec. 3 & 4. Turn 60° R. & run across arm of lake to hub 'B' where we set transit. Focus on hub 'a' turn 60° R. & chain $653.5'$ intersecting town line $3.0'$ W of W.C.
- Apr. 14. Bryant & Baldwin cut out line of triangle around lake & chain same. Begin at a pt. $3.0'$ W. of W.C. at N.W. cor. sec. 3-188-31 & chain E. at $653.5'$ hub about $20'$ E. of water; $787.5'$ hub; $1160.5'$ hub; $1615'$ hub; $2058.5'$ hub. Donner goes to N.W. cor. sec. 3 expecting to find Hanks but as he does not show up Donner cuts line E. Bryant & Baldwin run compass line on E. side of sec. 2 & find the $\frac{1}{4}$ cor.
- April 15. Berqueen & Donner cut line E. on N. side sec. 2 & 3. Bryant & Baldwin go to the $\frac{1}{4}$ cor. bet. sec. 1-2 where U.S. notes call for Spruce 6 S. 53° U 21 links and Birch 8 S. 26° E. 24 links. We find Birch trees standing green & plainly marked also a balsam standing green & plainly marked which is probably the spruce called for in the U.S. notes. We set the true $\frac{1}{4}$ cor. from which we run S. Berqueen continues to cut brush on N. side of 2 & 3. Donner goes to Backus & brings back N. & E. transit. Bryant & Baldwin run line W. from M.C. #6 bet. sec. 1 & 2.
- April 16. Donner & Berqueen cut line on N. side of 2-3. Bryant & Baldwin cut line $\frac{1}{2}$ mi. S. from $\frac{1}{4}$ cor. bet. 1-2 to an intersection with a line coming W. from M.C. #6. Donner goes to Walker. Baldwin, Bryant & Berqueen begin at the $\frac{1}{4}$ cor. bet. 1-2, back-sight S. on transit line & run N. on $8^{\circ}15'$ var. Cut N. till smoke from far forces us to quit. Return to camp for night.
- April 17. Baldwin in camp on notes & in P.M. cut brush N. bet. sec. 1 & 2.
- April 18. Baldwin cuts brush W. from M.C. #6. In P.M. Baldwin & Berqueen run transit line N. from $\frac{1}{4}$ cor. bet. sec. 1 & 2. Transit out of adjustment.
- April 20. Baldwin - Berqueen & Bryant cut line N. & intersect town line. An old blazed line E. & W. at a point W. of N.E. cor. sec. 3. Hunt a long time for B.T.s found an old square up spruce for cor.
- April 21. Baldwin & Berqueen take N. & E. transit to N.W. cor. sec. 3 & cont. line E. Begin at hub $2058.5'$; thence $91.5'$ E. to lake shore & set stake. At $2150'$ set stake on W. side of neck of lake; $2350'$ stake on E. side of lake; $2400'$ stake; $2604.8'$ hub; $2968.7'$ hub; $3432.7'$ hub; $4061.1'$ hub; $4505.8'$ hub; $4776.6'$ hub; $5000'$ set stake. Cont. E. until fires coming from S.E. across big meadows drive us out. Return to camp.
- Apr. 22. Baldwin - Berqueen & Bryant begin at pin $5000'$ on N. boundary sec. 2 & 3 & cont. E. At $5405'$ hub; $5644.6'$ hub; $6220.8'$ hub; $6323.2'$ hub; $6561.6'$ hub; $6938.1'$ hub; $7320.8'$ hub; $7802.6'$ hub. This is as far as we chain but run a line of hubs farther E. Brush is full & old corners impossible to find.

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- April 23. Cut line along N. line of sec. 2. Set hubs with transit.
- April 24. Bryant & Berquen chain up N. boundary sec. 2. Begin at hub 7802.6. At 8124.7 hub; 8355 hub; 8953.7 hub; 9379.5 hub; 9811.3 hub. Set pickets & cut brush.
- April 25. Berquen & Baldwin begin at hub 9811.3' & chain E. At 10508.6' hub; 10854.7. intersect transit line from the S. set. sec. 1 & 2. At 10933 intersect S. edge of squared up ash stub which appears to have been squared years ago for sec. cor. and from which an old blazed line bears N. & S. At 11006.4 tack in 8" ash stump. This is as far as we chain but we cut brush & continue line E. in swg. to W. side of big open soft swamp.
- April 26. Baldwin & Berquen continue E. with transit line. We do not chain. Set hub across on E. side of big open bog, then walk to N. E. cor. of 138-31 where we find intersection of two 10 yr. old lines but cannot find township cor.
- April 27. We chain E. from tack in ash stump at 11006.4'. At 11310.8' tack in oak stump; 11795.6 hub on E. side of meadow; 12280.1 hub on E. side of big bog; 13763.4 hub W. of trail; 14064.5 hub.
- Apr. 28. We cont line E. on N. side sec. 1 to trap cor. from hub at 14064.5. At 15223.6' hub; 16181.2 hub. We look for Trap cor. but as it cannot be found I write to Curo asking for special information as to previous surveys & location of Trap cor. which Curo established years ago and can relocate by carefully going thru his old field notes.
- Apr. 29. Baldwin-Bryant & Berquen hub the remainder of the transit line S. to a pt. S. of cor. to 1-2-11-12 but old B.T. are all gone. Then they begin at hub less than 1/2 mi. W. of N. E. No. 6 & cont. W. Not yet chained. P.M. Bryant cont. to cut line W. Baldwin & Berquen go N. E. No. 6 on W. side of Scribner lake bet. fractional sec. 1 & 2 where U. S. notes call for N. $\text{Pms } 107^{\circ} 35' \text{ W. } 60 \text{ links}$. We find the N. B.T. standing green & plainly m'd, also a piece of axe handle set by Curo & I for the true N. E. which checks out perfect for course & distance. From this we chain W. At 283.0' hub; 370.0' ent. wet meadow & set stake; 570' set stake near S.W. cor. of fence & 500' E. of a wagon road long used which bears N. E. & S. W. At 600 set stake; 801.5 hub; 1313.5 hub previously set with transit on N. & S. line but only laid in by eye with E. & W. line which has been cut for some time. At 1684 hub; 2214.8 hub; 2760 set stake at E. side of open bog, thence 200' across bog to stake m'd 2960 W. of bog; 2961.8 hub; 3525.4 hub; 4111.9 hub; 4601.5 hub; 5000 set pin.
- Apr. 30. Same crew cont. W. bet. 2-11. Not chaining.
- May 2. Baldwin takes compass & chain & walks to N. E. cor. of trap. 138-31 where Curo's special notes give me location of true Trap cor. Curo's notes say that on Aug. 3-1906, John W. Curo, Co. Surveyor Cass Co., and W. C. Stevens, sworn in at 2 P.M. as chairman, go to cor. of Trap. 138 & 139 (Pg. 30-31) where U. S. notes call for post and. $\text{Azim } 127^{\circ} 45' \text{ E. } 69 \text{ links} - \text{W. } \text{Pms } 127^{\circ} 42' \text{ W. } 28 \text{ links} - \text{Azim } 12^{\circ} \text{ S. } 16^{\circ} \text{ W. } 81 \text{ links} - \text{Azim } 12^{\circ} \text{ S. } 60^{\circ} \text{ E. } 37 \text{ links}$. They find the N. W. W. Pms B.T. plainly m'd from which they set a pitch pins hub driven level with the ground for true Trap cor.

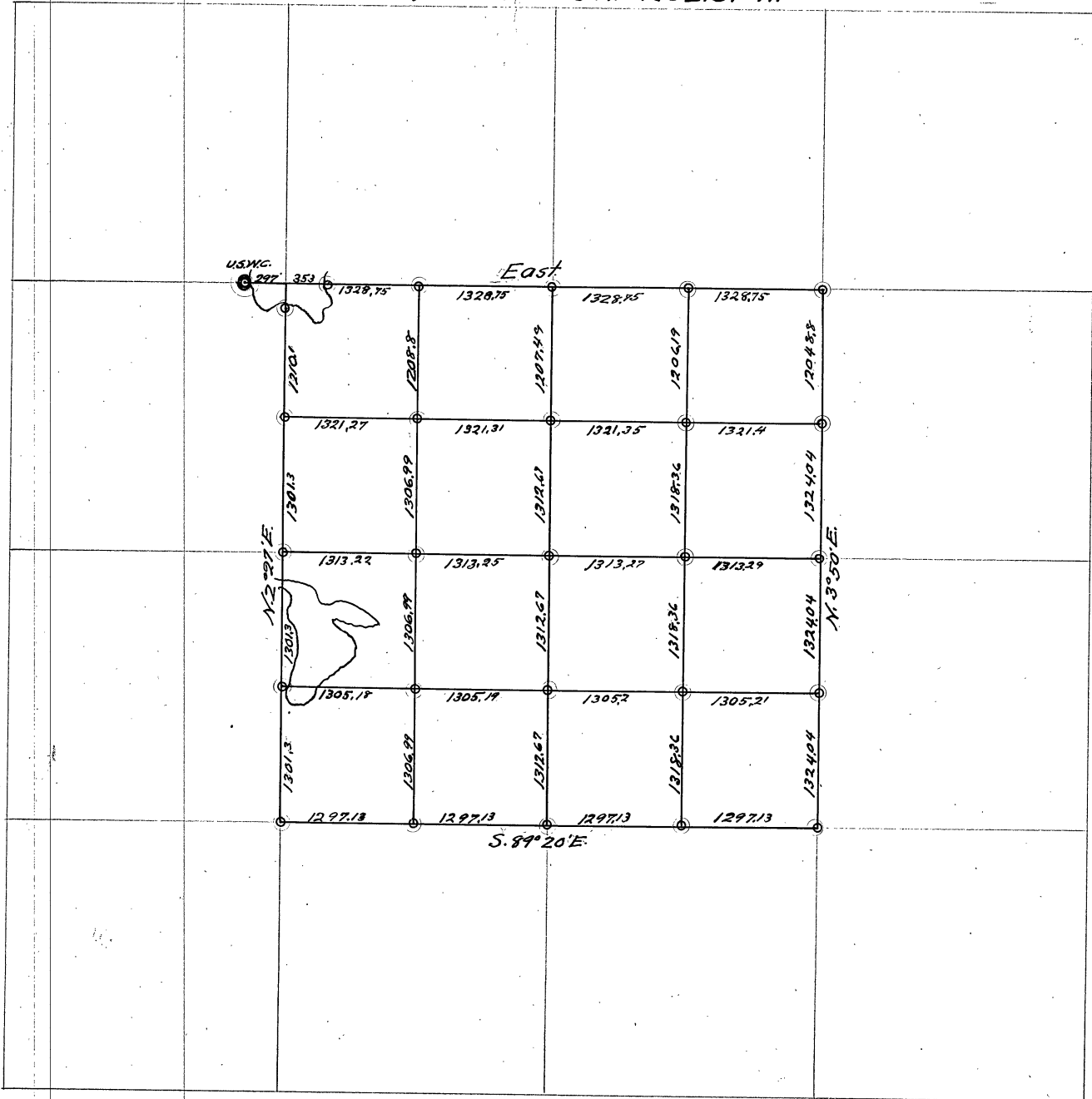
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- New B.T.s: W. Birch 4 N. 65° W. 17.0', Oak 3 N. 52° 30' E 45.0'. We find Curio's white Birch B.T. m'd's "Curio" from which I set up and find old pitch pine hub with tack in top and from which we find Curio's oak B.T. At a pt. 1624.7' E. of hub 0.0' set 3.0' W. of Wit. cor. at N.W. cor. sec. 3, the true N.E. cor. of 138-31 sets 23.0' N. Total length of line is 16244.0'. As we are surveying secs 2-3-10 and as the cor. when these three sec. join appears to be gone and as this joining cor. must be established before any one of the sec. can be surveyed and as we wish to proportion the cost of survey equally for each sec., we proceed to put in the joining cor. which is the cor. to 2-3-10-138-31 by first establishing the N. boundary of sec. 2+3 which is lost. We have run the N. lwp. line as follows: We began at Wit. Cor. 297 ft. W. of N.W. cor. sec. 3 + run E. At 297 temp. N.W. cor. sec. 3 in lake; 1617 temp. W. 1/6 cor. sec. 3 + 34; 2937.0 temp. 1/4 cor. sec. 3-34; 4257 temp. E. 1/6 cor. sec. 3 + 34; 5577 temp. cor. 2-3-34-35; 6897 W. 1/6 cor. sec. 2-35; 8217 1/4 cor. bet. 2-35; 9537 E. 1/6 cor. bet. 2-35; 10857 cor. to sec. 1-2-35-36; 13497 temp. 1/4 cor. bet. 1+36; 16137 N.E. cor. to 138-31. True cor. sets E. 107.0' to 16244.0', Thence N. 23.0'. Correcting back: 16137 goes E. 107' + N. 23.0' - 10857 goes E. 72' + N. 15.48' - 9537 goes E. 63.24' + N. 13.50' - 8217 goes E. 54.49' + N. 11.71' - 6897 goes N. 45.78' + N. 9.83' - 5577 goes E. 36.98' + N. 7.95' - 4257 goes E. 28.23' + N. 6.07' - 2937 goes E. 19.48' + N. 4.19' - 1617 goes E. 10.72' + N. 2.3' - 297 goes E. 1.97' + N. 0.42'
- May 4 We all go to hub 8281.7 W. of M.C. #6 + cont. line W. at 8576.9 hub; 9251.9' hub. Cut line farther in heavy cutting.
- May 5 We go to pin 5000' W. of M.C. + chain across slough knee deep in water + chain W. at 5134.8 hub on E. side of marsh; 5870.3 hub on W. side of marsh; 6354.2 hub; 6864.7 hub; 7355.6 hub; 8000.7 hub; 8281.7 hub; 8576.9 hub; 9201.9 hub; 9984.7 hub; 10450.5 hub.
- May 6 Cont. W. Bryant, transit, Baldwin + Bergren, chain + exp. at 11277.3 hub; 11880.0' hub. Look for B.T.s Begin at a pt. near the S.W. cor. sec. 3 + run compass line N. to E. road but find no B.T.s.
- May 7 Baldwin + Bergren figure corrections + put in wood cor. + look for B.T.s on N. side of sec. 3.
- May 8 Curio brings 25 iron monuments. Bergren + Baldwin go to N.E. cor. of 138-31 + set an I.M. over wood hub.
- May 9 Baldwin + Bergren go to 1/4 cor. bet. 1+2 and set 2 1/2 x 48" galvanized at iron mon. Thence go to M.C. #6 + set 2 1/2 x 48" I.M.
- May 10 We cut line W. from 1/4 cor. on E. side sec. 2+3-8-31.
- May 11 Bergren + Baldwin cont. transit line W. from pt. near cor. of 2-3-10-11. Baldwin passes compass line in order to locate cor. or B.T.s.
- May 12 Baldwin + crew cont. line S. bet. sec. 11-12.
- May 13 Long to W. E. 297' W. of N.W. cor. sec. 3, work transit on line + run S. 8° 20' var. 366.4' to W. E. At 447 old road; 474.5 set hub from which we turn 90° + run E. 297' turn 90° + run S. 8° 20' var.

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Survey Record No. 498

SEC. 3, TWP. 138 N. RGE. 31 W.



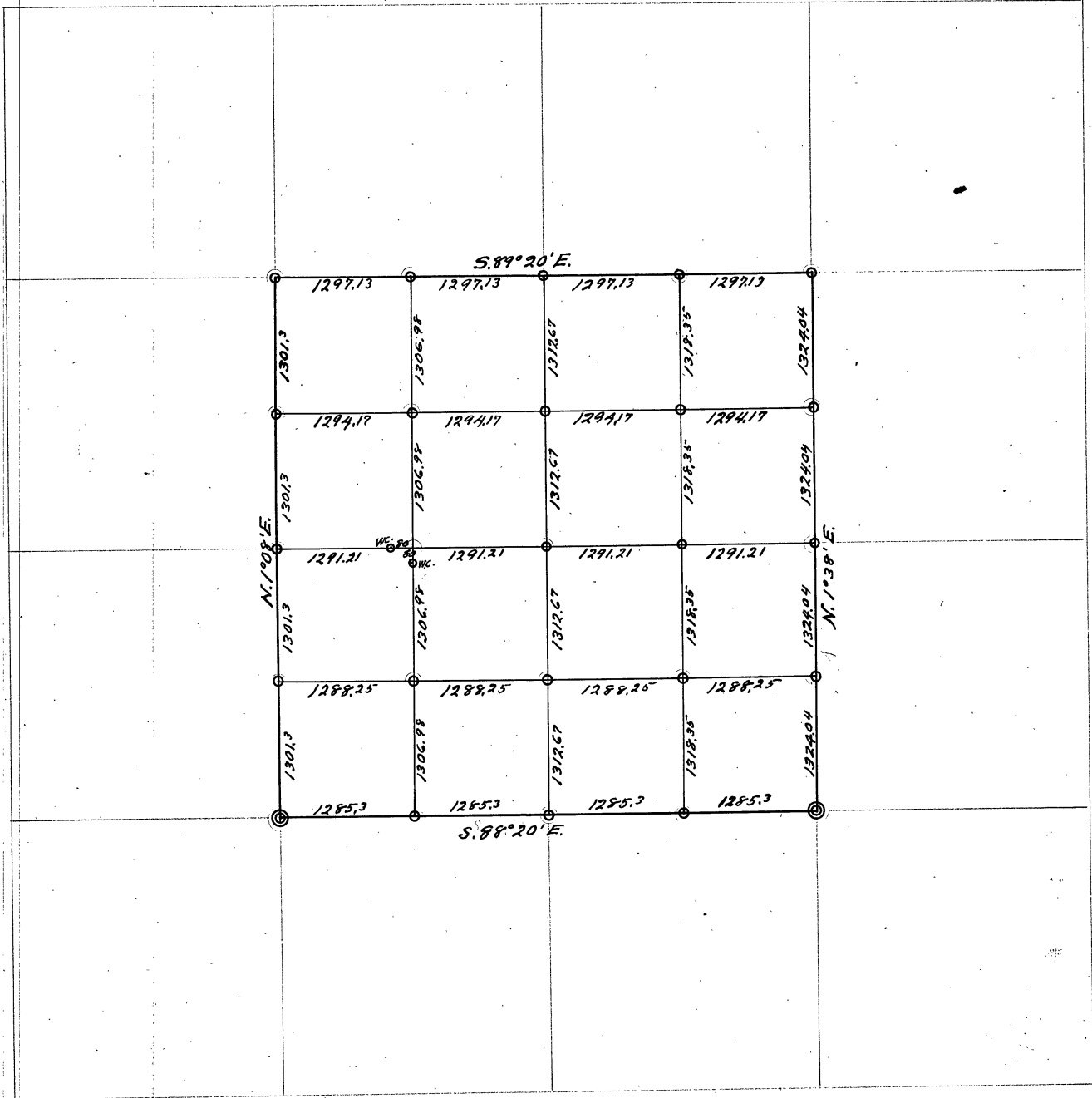
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SEC. 10, TWP. 138 N. R6E. 31 W.



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Field notes of the survey + subdivision of sec. 15 Twp. 140 R. 29 W. of the Fifth Principle Meridian

April 21, 1919. E. B. Horst, engineer in charge, under contract begins survey of sec. 15-140-29 & employ Ernest Tuzler, chairman, Vermin Berquien, chairman, Roy Sackett, ass't, Henry Whetum, ass't, as assistants on this survey and we begin at an I.M. previously established as the N.E. cor. sec. 15 from the U.S. B.T. by Curs. I run S. (mag. var. 9° E) on a cut out line setting hubs + chaining. At 157.5' set hub; 1047.1' set hub; 126.9' old road to Savalle; " 1320 " stake; 1680.1 " " ; 1837.1' set hub for triangulation of Woman Lake; 1911 road to Spain's camp; 1939' hub; 1960' water edge. From hub 1837.1' I run W. 90° from rand. sec. line, 455.0' for base line of triangle. We are unable to cross lake on account of ice + wind. From N.E. cor. sec. 15, sight S. on line turn S. W. angle $89^{\circ} 55'$ and run W. 42 mi.

April 22. Horst + same crew triangulate Woman Lake on E. boundary sec. 15 from yesterday's base lines. We procure a rowboat from Sean's Lodge. I send Tuzler across lake to set pt. B on S. shore of lake. At pt. B angle from A to C = $78^{\circ} 51'$. Dist. from A to B = 2308.5'. At 4104.6' on Woman Lake; 4175.6' pt. C of triangle. N.E. 20 + 27 are obliterated. At 4272.0' hub; 4548' hub; 5280' look for S.E. cor. sec. 15. U.S. notes call for: Lind 5 N. 50° E. 10 lks. - Maple 5 N. 22° W. 49 - Maple 5 S. 64° W. 21 - Maple 12 S. 35° E. 35 links. The N.W. maple is still standing plainly, m'd and stumps of all the others are there but marks are obliterated. From these we set stake for cor. and run W. at $8^{\circ} 30'$ var. at 156.6'. I intersect E. rand. line sec. 15 at sta. 5279.5' S. N.W. angle at P. 1 = $92^{\circ} 18'$. At 232.6' hub; 400.0' hub; 469.2' pt. A for triangulation; 500.0' water edge of Woman Lake. I send a man across lake to set pt. C. I run a base line at P. angle N. 300.0'. Angle A.B.C. = $82^{\circ} 41'$. New Bearing trees to cor. sec. 14-15-22-23 are: Maple 8 N. $35^{\circ} 15'$ E. 386'. Maple 9 N. 31° W. 43.0' - Balsam 6 S. $48^{\circ} 10'$ W. 36.5' - Basswood 10 S. 75° E. 29.7'.

April 23. Horst + same crew cont. W. on S. random line of sec. 15. Dist. across lake A to C = 2336.5'. At 2800' W. lv. lake; 2803.7' pt. C; 3044.2' hub; 3487.8' hub; 4167.5' hub; 4383.8' hub; 4455' ent. swp; 4600' lv. swp; 5039.2' hub; 5280' set hub. Make a thorough search for the sec. cor. to 15-16-21-22 which cannot be found. We go N. 1/2 mi. and look for the 14 cor. bet. sec. 15-16 which is also gone. N.E. 3 chs. N. of 1/4 cor. is also gone. We go N. across Child Lake and look for cor. of sec. 9-10-15-16 and N.E. 48-49-50-51 which are all entirely obliterated.

April 24. Horst + same crew produce the N. boundary of sec. 15; W. Tuzler + Berquien begin at N.E. cor. + chain W. At 75.8' hub; 375' swamp; 475' lv. swp; 760' ent. swp; 980' lv. same; 1140' hub; 1237.2' hub in cen. of Hack-nougville road which lgs N. 10° E; 1328.9' hub; 1467.7' hub; 1500' ent. swp; 1967' lv. swp; 2023.5' hub; 2174.4' hub; 2409.1' hub; 2627.7' hub pt. A for triangulation of Child Lake. Turn 90° + run S. 290.8' + set pt. B. Sight across lake + set pt. C on line. Angle A.B.C. = $78^{\circ} 30'$. Dist. from A to C = 1429.3'. At 2700' ent. swp; 2840' ent. lake at mouth of creek;

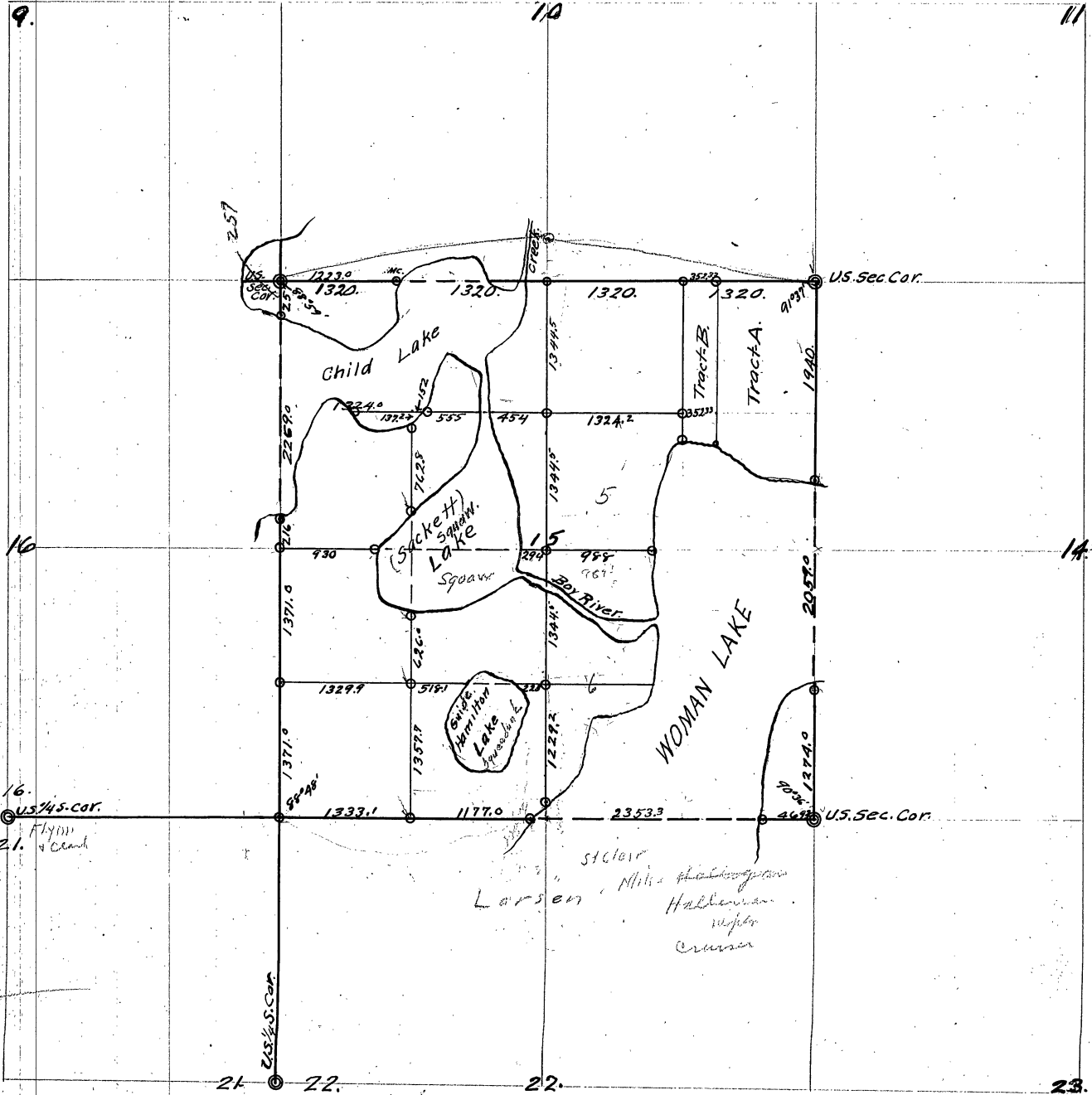
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Survey Record No. 499

B.K.P.

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SEC. 15, TWP. 140 N. RGE. 29 W.



16. US 7/4 S. Cor.
21. Flynn & Child

US 1/4 S. Cor.

21. Flynn & Child
22. Flynn & Child
22. Flynn & Child

US. Sec. Cor.

sets S 32° 36' W. 192.3'. At 5284' edge of Woman Lake. We go to sta. 2743.0 on sand W. boundary, turn N. E. angle 88° 48' 30" from sand line & run E. on E. & W. 1/4 line of sec. 15. At 52.8' set post for cor. true 1/4 cor. bet. sec. 15 & 16 with following B.T.G.: Aspen 7 N. 37° 25' E. 45.4' and Aspen 8 N. 34° 15' W. 43.2'. At 386.6 hub; 590 ent. swp; 680 lv. swp; 773.5 hub; 890 ent. swp; 1000 W. edge of Sackett Lake; I send a man to E. side of lake and set a pt. on the N. & S. 1/4 line sec. 16. Intersect N. & S. E. at 2689.9' S. I set over pt. on 1/4 line & run W. to Sackett Lake. At 100 ent. swp; 300 E. edge of lake. Cont. 1/4 line E. from P.1. True cor. = sta. 0.00'. At 63.3 hub; 260 hub in cen. of Hackensack & Longville road; 974.9 temp. M. C.; 988 W. lake.

May 1

Forest & same crew begin at a pt. on the sand line bet. sec. 15 & 16 at sta. 4115.4' S. & turn N. E. angle 88° 15' from sand line & run E. on S. 1/4 line of sec. 15. At 793' E. set temp. S. 1/6 cor.; 182.3' hub; 507.5 hub; 1051.9 hub; 1329.6 stake temp. S. W. 1/16; 1657.3 hub; 1848.0' pt. a for triangle. Chain S. 60' & set pt. B. 90° to line. Set pt. C across lake. Angle at B. = 85° 50'. Dist. A to C = 823.6'. At 2418' lv. lake; 2670 P.1. N. & S. 1/4 line. I C.S. 1/16 cor. at 2659.6' E. Point E. C.S. 1/16 cor. = 0.0' at 50' lv. bog; 1146.0 temp. S. M. C. Woman Lake; 1170 Woman Lake. At a pt. 5262.7 S. on N. & S. 1/4 line I run S. 52° 36' W. & set S. W. E. 2° 48' I.M. = 5272.7' S. & 13.4' W. At sta. 2822.5' W. on S. sec. line, I set the true M. C. bet. sec. 15-22. Oak 6 N. 70° W. 5.0'. At sta. 3997.3 W. set true W. 1/16 cor. bet. 15-22, turn N. E. angle 88° 59' & run N. on true W. 1/16 line. Intersect S. 1/16 line at true pt. & set I.M. at S. W. 1/16 cor. Cont. N. to Sackett L.

May 2

We set a pt. N. of Sackett Lake on W. 1/16 line, then go to the E. 1/16 cor. bet. 10-15, turn S. W. angle 91° 28' & run true E. 1/16 line S. to Woman Lake. At 1331.7 set true N. E. 1/16 cor. At 1690 Spanish road; 1729 temp. M. C.; 1773 Woman Lake. Begin at 1337.7 S. turn N. W. angle 89° 05' and run W. on true N. 1/16 line. At 384.0' Hack-Longville road; 1321.2' P.1. on N. & S. 1/4 line at 1345.0' S.; 1650 ent. swp; 1778 E. side of Bay River set pt. W. of Bay River & cont. line W. to Child Lake. We go S. to a pt. on W. 1/16 line N. of Sackett Lake & run N. on true line to Child Lake. N. W. 1/16 cor. falls in Child Lake. From N. W. 1/16 cor. in Child Lake we chain E. at 70' E. lv. lake; 152.0' S. M. C. on N. 1/16 line; 557 ent. swp; 707 Bay River. From N. W. 1/16 cor. chain S. on W. 1/16 line. At 37.0 lv. lake; 137.2 S. M. C.; 900 S. M. C. N. shore Sackett Lake; 980 Sackett Lake. Course of Hackensack-Longville road thru sec. 15. Begin at sta. 1237.2 W. on N. line of sec. 15. N. boundary = E. for these courses. Thence S. 15° 45' W. 1132.0' - S. 25° 42' W. 1770.0' - S. 27° 02' W. 676.0' (494 bridge)

May 3

Cont. traverse of road. S. 64° 22' W. 704.0' - N. 86° 50' W. 374' - N. 69° 34' W. 281' M. C. pt. on W. 1/16 line sets N. 08.0'. Thence N. 77° 50' W. 353.0' - N. 43° 16' W. 240.0' - N. 69° 17' W. 234' - S. 76° 09' W. 285.0' - S. 60° 45' W. 154' - S. 17° 41' W. 402' - S. 40° 40' W. 97' to sec. line P.1. at sta. 3756.0 on sec. line. Thence S. 40° 40' W. 193' to 3808 S. on sand line - S. 39° 56' W. 283' - S. 43° 24' W. 400' - S. 42° 24' W. 397' - S. 57° 05' W. 411' - S. 33° 44' W. 533' to cen. of Bay River bridge near sec. line bet. sec. 16-21. We walk to S. W. cor. of sec.

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- 15 and set a 2 1/2 x 30" capped I.M. at sta. 5484 S. & 5532.6 W. for the sec. cor. to sec. 15-16-21-22-140-29 with following bearings: Elm 12 N. 70° 15' E. 51.1' - Asp 6 N. 31° W. 24.2' - Oak 6 S. 70° 45' W. 28.8' - Elm 24 S. 63° 30' E. 64.6'. On the sec. line bet. sec. 15 & 16, set a 2 1/4 x 8" I.M. for M.C. at 2546' S. on S. shore of Child Lake. No bearings. At the W. side of Sackett Lake on E. & W. 1/4 line & 930.0' E. of the 1/4 cor. bet. sec. 15 & 16 set a 2 1/4 x 8" I.M. for S. M.C. At sta. 1729.0' S. on the E. 1/4 line of sec. 15 set a 2 1/4 x 8" I.M. for S. M.C. At the N.E. 1/4 set I.M. also at the 1/4 cor. bet. sec. 10 & 15. I return to Walker.
- May 8. Horst, Bergeen, Sackett, & Mostum cont. survey of sec. 15. Begin meandering of Child Lake on the N. boundary of sec. 15 - 144.0' W. of the 1/4 sec. cor. 50.6' E. of N. Crown Creek. Hence S. 13° W. 572.0' - S. 57° 34' W. 480' - S. 26° 50' E. 694' (Meander of Sackett Lake) - S. 0° 35' E. 502' (Swamp 200' wide) - S. 11° 20' E. 973' - S. 65° 50' E. 348.7' to a pt. in cen. of road. N. 27° E. 156' of hub 3166 S. on N. & S. center line.
- May 9. Horst & same crew cont. meanders of Sackett Lake from hub 3166 S. on N. & S. E. Hence N. 62° 45' W. 435' (along S. side of Bay River - S. 58° 30' W. 480' - S. 89° 30' W. 302' to S. M.C. W. 1/4 line - N. 69° 15' W. 435' - N. 0° 30' W. 530' to S. M.C. on 1/4 line - N. 44° 10' E. 880' - N. 33° 25' E. 810' to Bay River - N. 5° 30' W. 350' along W. side of Bay River to Child Lake - N. 58° W. to mouth of Bay River - S. 15° 05' W. 694' to S. M.C. W. 1/4 Child L. - S. 89° 30' W. 420' - N. 43° W. 210' - N. 66° 50' W. 398' - S. 56° W. 92' - S. 20° 30' W. 204' - S. 17° 30' W. 196' - S. 2° 30' E. 317' - S. 22° 30' E. 395' - S. 25° 36' W. 227' - S. 61° 30' W. 265' to M.C. bet. sec. 15 & 16. Meanders of Hamilton Lake in the S.E. 1/4 of the S.W. 1/4 sec. 15. S. 1/4 line = E. & W. for these meanders. From the E. S. 1/4 cor. thence W. 225' to lake - N. 77° 25' W. 730' - S. 44° 35' W. 480' - S. 0° 10' W. 480' - S. 63° 50' E. 525' - N. 33° 30' E. 770' - N. 13° W. 325' to place of beginning. Meanders of Woman Lake beginning at hub 4807.5' W. on S. boundary of sec. 15, thence N. 54° 36' E. 320' - N. 49° 15' E. 365' - N. 17° 05' E. 180' - N. 46° 38' W. 360' - N. 56° 15' E. 310' - S. 87° 55' E. 305' - N. 54° 35' E. 125' - N. 73° E. 45' - N. 11° 45' E. 90' - N. 1° W. 130' - N. 10° 10' W. 250' - N. 12° 30' W. 200' to mouth of Bay River. At 265' W. same place set point.
- May 10. Thence N. 6° 30' W. 560' to S. M.C. on 1/4 line - N. 7° 45' W. 450' - N. 24° E. 340' - N. 38° 15' E. 230' S. M.C. on E. 1/4 line - N. 74° 20' E. 230' - E. 200' - S. 52° 30' E. 350' - S. 84° 45' E. 140' - N. 84° 45' E. 250' - S. 66° 20' E. 195' to sta. 1939' S. on rand. E. sec. line. At sta. 1940.0' S. on rand. line bet. sec. 14 & 15. I chain E. 57.5' & set a 2 1/2 x 30" I.M. for M.C. on N. shore of Woman Lake with following B.T. & Rep. 8 S. 40° E. 30' + W. Pine 4 N. 30° W. 6.3'. From sta. 4145.6 S. chain E. 124.3' & right N. across lake to true M.C., chain N. 146.6' & set 2 1/4 x 8" I.M. for meanders. Cor. C. to bet. sec. 14 & 15. M.C. is not station. 3999.0 S. - S. Meanders of Gov't lot 7 - sec. 15. At 469.2' set 2 1/4 x 8" I.M. for M.C. bet. sec. 15 & 22. Hence N. 14° W. 520.0' - N. 3° E. 170' - N. 50° E. 70' - N. 11° 15' E. 90' - N. 23° 30' E. 350' - N. 49° 30' E. 490' to M.C. pt. on sec. line. On sec. line bet. sec. 10 & 15 at sta. 4057' W. set a 2 1/4 x 8" I.M. for M.C. Meander of Gov't lot 3. Hence S. 4° W. 260' - S. 71° 50' W. 580' - S. 84° 15' W. 200' - N. 79° 15' W. 165' - N. 47° W. 620' to M.C. on W. boundary of sec. 15 - 257' S. of N. W. cor. Set 2 1/4 x 8" I.M.

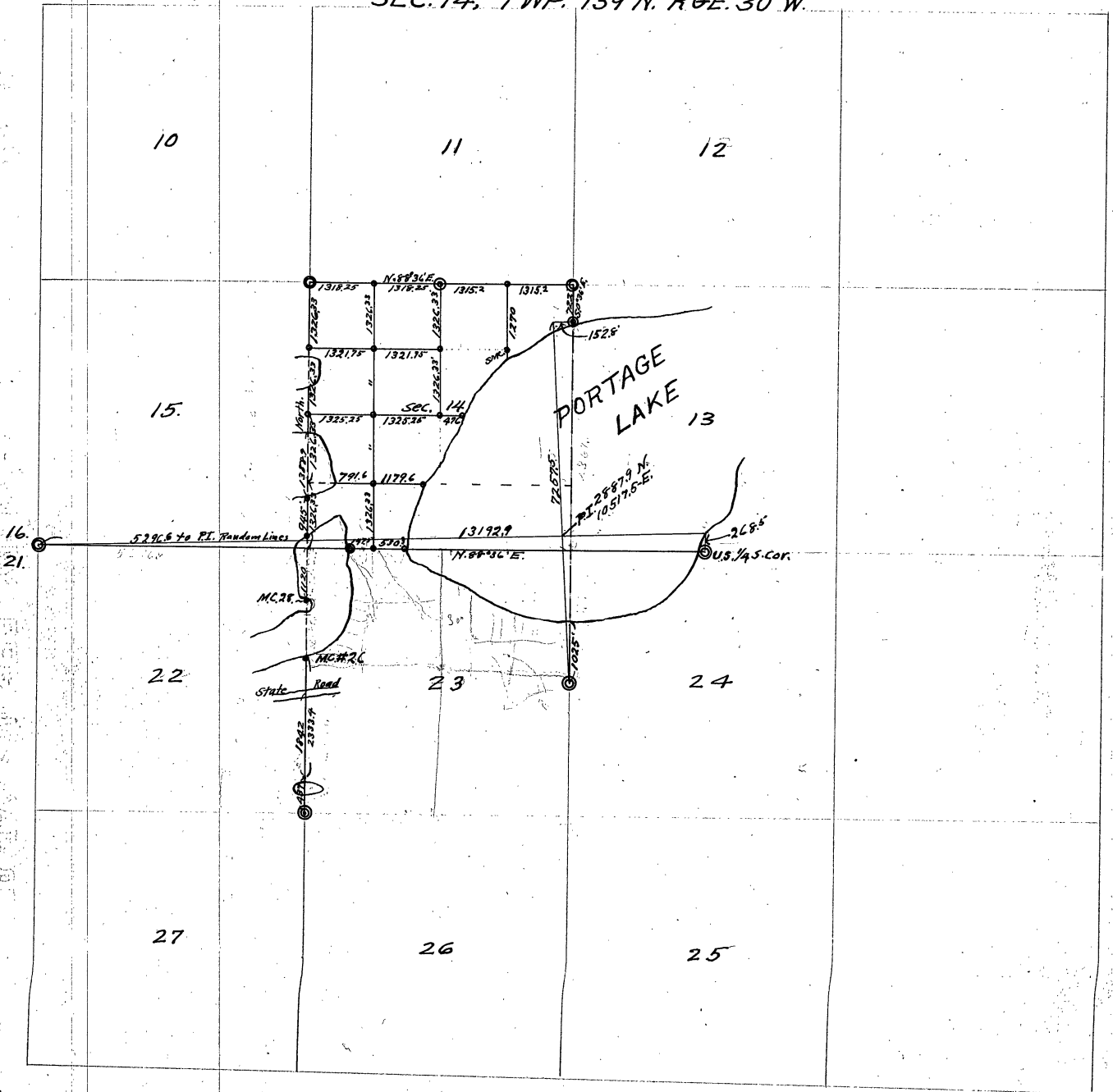
The N.W. cor. of sec. 15 being obliterated and the M.C. N-S-E-W also being obliterated. I established same by proportionate measurement from the N.E. sec. cor. and from the lake shore N-W-S of the cor. as they check with the Gov't distances given in the Note.

At cor. to sec. 9-10-15-16 I set a 2 1/2" 430" capped I.M. with following Bearings: Oak & N 15° E 11.8' - Oak & N 62° 15' W 23.4' - Elm & S 12° 30' W 13.6' - Oak & S 61° 15' E 34.6'. Set I.M. at W.C. to S.M.C. 20.5' S. of pop. stump & where W 1/6 line intersects Sackett Lake.

Recorded, March 31, 1922.
 James H. Flynn, Co. Surveyor.
 By E. B. Horst, Deputy.

Survey Record No. 500.

SEC. 14, TWP. 139 N. RGE. 30 W.



Field notes of the resurvey and subdivision of sec. 17, Twp. 139 N.	
139-30	Apr. 30 W. of the Fifth Principle Meridian.
March 13, 1915	G. D. Bonner & James Horton walk to M.C. #30 and look for
M.C. 30	old B.T.s but are unable to find any. We go to M.C. #29 and
M.C. 29	look for B.T.s but find nothing. Then to M.C. #27 the B.T.s
March 11	Don Sheppard & Lynn Cleverger join us. Starting at the cor. of
15-16-21-22	secs. 15-16-21-22 (an I.M. set by Curo), I run N. 89° 50' E. At 959.4 hub;
1/4 15-22	we look for the 1/4 cor. bet. sec. 15-22 but are unable to find any
East	of the old B.T.s. We cont. E. At 2744.9 hub; 2900 ent. heavy J. Pine;
	3157.1 hub; 3524.6 hub; 3850 lv. Jack Pine.
Mar. 12	We cont. E. At 4347.9 hub; 4865.6 hub; 5033.8 hub; 5100 ent. Rainy
Mar. 25	Lake; 6450 lv. Rainy Lake; 6520.3 set hub; look for M.C. #25 but are
	unable to find anything so we cont. E. at 6422.8 hub; 6920.8 hub;
	7082.5 hub. Quit for night. Over night with Horton.
Mar. 13	We cont. E. At 7275 ent. Postage Lake; 9001.2 hub on ice; 10801.7
	hub on ice; 12401.5 hub on ice; 13192.9 the true 1/4 cor. bet. secs.
1/4 13-24	13424-139-30 (I.M. set by Curo) sets S. 268.5'. Starting at the I.M.
1/4 23-24	1/4 cor. bet. sec. 23 & 24 I run N. 9° var. At 207.3 set hub.
March 14	We cont. N. At 483.4 hub; 662.5' hub; 1025 ent. Postage Lake;
	1924.5' hub on ice; 2887.9 int. E & W. rand. line at 10517.5' E. at
	5094.8 set hub on ice; 6362.0' set hub on ice; 7225 lv. Postage Lake
M.C. 9	We look for M.C. #9 where U.S. notes call for: Oak 10 N. 55° W. 6.6' and
	Oak 12 N. 53° 30' E. 19.8'. I find both trees. The N.W. standing and
M.C. 9	plainly marked and the N.E. down but plainly marked. From
	these two trees I set a 4x4x36" Aspen stake for the true M.C. #9.
	From which the old B.T.s bear: Oak 16 N. 63° 45' W. 6.6' and Oak 12
22-23-26-27	N. 55° 15' E. 19.8'. At 7207.5' the true M.C. No. 9 sets E. 152.8'.
March 15	We drive to where the sec. cor. of secs. 22-23-26-27-139-30 ought to
	be and after a long hunt I find iron cor. set by Curo. Starting
22-23-26	from the true sec. cor. of 22-23-26-27 I run N. on 8° 30' var. At 200'
North	ent. Gann Lake I look for M.C. #21 where U.S. notes call for: B.P.
M.C. 21	15 N. 63° 30' W. 39.6'. I find tree down but plainly marked from
437'	which I set an 80 D for ^{as 134' true} the true M.C. sets E. 1' of a foot. Starting
21.14	from M.C. #21 I run N. var. 8° 30'. At 2.0' lv. lake; 180.6 hub; 503.2 hub;
Mar. 16	We cont. N. At 1133.8 hub; 1242 cross state road; 1864.9 hub;
M.C. 26	2215.1 hub; I look for M.C. No. 26 where U.S. notes call for: B.P. 10
	S. 80° W. 12.54' and N. Pine 12 S. 8° E. 29.4'. I find the S.E. stump with
H 26	the B.T. plainly marked and the roots of the S.W. B.T. from which
	I set an 80 D spike for the true M.C. No. 26 with a new B.T.: N. Pine
	14 S. 66° 26' W. 14.85'. At 2333.4 the true M.C. No. 26 sets E. 18.6'. I look
H 27	for M.C. #27 where U.S. notes call for: B.P. 8 N. 19° W. 40' - B.P. 5 N. 21° 45' E. 57'
H 28	but I am unable to find any of the old B.T.s. I look for M.C. 28
	where U.S. notes call for: Nor. Pine 24 S. 75° 45' W. 34' 23.27'. I find
	the Nor. Pine standing plainly m'd from which I set an 80 D spike
H 28	for the true M.C. No. 28 with new B.T.s as follows: N.P. 28 S. 6° 33' E.
	34.2' and Aspen 3 S. 84° 76' W. 28.0'. I run N. var. 8° 30'. At 685.0
	lv. Rainy Lake.

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March 17. We cont. N. At 731.3 hub; 900 ent. Rainy Lake; 1188.2 int. E. North W. sand line at 5296.6' E. At 1338.8' set hub on ice; 1400 lv. Rainy Lake; 1510.4 hub; 2258.5 hub; 2425 ent. lake; 3430 lv. lake; 3730.4 hub; 3900 ent. swp; 4550 ent. lake; 5050 lv. lake; 5091.3 set hub; 5200 lv. swp; quit for night. One night with Horton.

March 18. We cont. N. At 5623 hub; 5983 hub; I look for the sec. cor. of sec. 10-11-14-15 where U.S. notes call for: B.P. N. 67° E. 21.7' - B.P. N. 37° W. 5.94' - B.P. S. 48° 30' W. 19.14' - B.P. S. 66° E. 19.8'. We find the N.W. & S.W. B.T.s standing & plainly marked. The N.E. tree is down but plainly marked. From these trees I set an 800 spoke for the true sec. cor. At 6425.4 true cor. to sec. 10-11-14-15 is 725' E.

May 27. Norman's notes on Sec. 14-139-30. Starting from M.C. No. 9 on N. bank of Postage Lake I run transit line N. var. 9° 30'. At 502.5' hub; 700 look for B.T.s. I find stump of old B.P. which I use in finding two more B.T.s. U.S. notes call for: W.P. 24 N. 80° E. 36.96' - N.P. 24 N. 31° W. 23.76' - Nor. P. 10 S. 22 W. 58.08'. I find two stumps and one tree plainly mk'd from which I set cor. to sec. 11-12-13-14. B.T.s check as to measurement. Cont. sand line 722 cor. just established sets 10.9' E. Hub at 502.5' goes E. 7.58'. Hub at 722 goes E. 10.9' to true sec. cor. 11-12-13-14.

May 29. Norman, transit, Greenburg, Chain, starting from M.C. No. 29 on Donner's sand line running E. & W. I search for M.C. No. 29 where U.S. notes call for: Asp. 10 N. 81 W. 99'. I find no trace of old B.T. On E. bank of Rainy Lake, M.C. No. 25, where U.S. notes call for: Nor. Pine 20 N. 42° 30' E. 11.88'; Nor. Pine 9 S. 12° 7.99'. I find 9 in. stump with B.T. plainly marked from which I established true M.C. No. 25. I start sand line E. At 730.0' hub; 271.1' hub; 385.9' hub; 685' ent. Postage lake. Can find no B.T.s for M.C. No. 8. At 6497.15 on Donner's sand line true M.C. No. 25, established by Norman, line 1080.0' S. Correcting back on Donner's work from cor. 15-16-21-22 to M.C. No. 25 on E. bank of Rainy Lake. At 6497.15 M.C. No. 25 line S. 108' - 5700 M.C. No. 29 goes S. 84.77' - 5033.8 hub goes S. 83.66' - 4865.6' hub goes S. 70.88'.

May 31. Start Vaughn & C. Greenburg cutting line on N. line of sec. 14 on 9° 20' var. N. Greenberg & I go to S. line of sec. 14 to establish M.C. No. 8. At 7182.15 on Donner's sand line I turn R. angle & chain 124.15' S. At this pt. I drive bass wood stakes for true M.C. No. 8. Beginning at cor. to sec. 11-12-13-14 I run transit line & chain W. on 9° 30' var. at 152.5' hub; 546' hub; 650' ent. swp; 970' lv. swp; 1092.5' hub; 1200' hub; 1310' ent. swp; 1740' lv. swp; 1832' hub; 2200.85' hub.

June 1. Same crew cont. line W. Var. changes to 10° 30'. At 2387.85' hub; 2450' ent. swp; 2670' I look for B.T. to 14 cor. bet. sec. 14-11. U.S. notes call for: Nor. Pine 10 N. 50° W. 12.3'. On 14 cor. corner in a spruce swp, it is improbable that the Nor. Pine can be found. At 2800' lv. swp; 3053.1' hub; 3879' ent. brook; 3899' lv. brook; 4060.8' hub; 4130.5' hub; 4300' ent. swp; 4925' lv. swp; 5158.8' hub; 5233.4' cor. to sec. 10-11-14-15 sets N. 15.9.2'.

June 2. Correcting back on E. & W. sand line. Hub at 5158.8' goes N. 136.93'. Hub at 4130.5' goes N. 125.65' 90° 2.4' = angle N.W. cor. of sec. 14.

13-9-30

At 4130.5' on E. & W. rand. line chain 71.125.65' to true line & set flag.
At 5983' on N. & S. rand. line chain 64.51' E. to true line & set flag.

10-11-14-15 set transit on sec. cor. to sec. 10-11-14-15 turn angle. Cont. Correcting.

4005.8 goes N. 121.85' - 3924.9 goes N. 119.4' - 3532.2 goes N. 104.55' - 3263.85' goes N. 99.57' - 3053.1 goes N. 92.87' - 2616.7 goes N. 79.6' to true 1/4 cor. bet. sec.

11-14 11 + 14 1/4 cor. set in Tarn. sup. Correcting 1/4 cor., I find U. S. B. T. and will have to run new rand. line. 2387.85' goes N. 81.58' - 2200.80' goes N. 66.96' - 1832.0' goes N. 55.72' - 1390.45' goes N. 39.55' - 1200 goes N. 36.0' -

11-12 1192.5 goes N. 33.21' - 546 goes N. 16.5' - 152.5 goes N. 4.63'. I had correction above has been used only to get L at N. W. cor. of sec. 14. 90°14' = L at cor. to sec. 11-12-13-14. Setting transit on cor. to 11-12-13-14 sight on true N. & S. line. Turn angle to true E. & W. line. Angle = 90°14'.

June 14-15-23 Correcting Donner's random line running N. & S. between Sections 14-15. Beginning at m.c. No. 28. 731.3 goes E. 8.25 - 1510.4 goes E. 17.04 At the intersection of N. & S. and E. & W. true lines = true cor. to sec. 14-15-22-23. Triangulation: Set transit at A. turn 2 32° 30' Set transit at C. turn 1 55° 50'. Chain distance A. C. = 494.35

June 11-16 Correcting Donner's N. & S. random line between Secs 14-15. Whole line 6425.4 missed corner 75.2 to W. Correcting back. 731.3 goes E. 8.25 - 1510.4 goes E. 17.04

14-15 22 58.5 goes E. 25.78 - 2441.06 goes E. 27.77 to S on distant corner between Secs 14-15. 3730.4 goes E. 42.09 - 3769.17 goes E. 42.43 to 1/4 corner between

14-15 Secs 14-15 - 5091.3 goes E. 57.44 - 5097.29 goes E. 57.51 to N. 1/4 corner between Secs 14-15 - 5623 goes E. 63.44 - 5973 " 67.51 - 6425.4 goes E. 72.5

14-15 to true corner to Secs 10-11-14-15. I go to one 1/4 corner between Secs " - 14 and discover U. S. B. T. N.P. 10° N. 50° W. 123 - Reestablish corner and destroy corner, I set by measurement. At 2600.9 at random

11-14 line Corner set No. 26.25 Correcting back 2600.9 goes N. 46.25' to 1/4 cor. 2200.85 goes N. 64.52' - 1882 goes N. 53.58' - 1300.45' goes N. 38.08' - 1200 goes N. 35.18' - 1092.5 goes N. 32.05' - 546 goes N. 16.5' - 152.5 goes N. 4.66

June 10-11-14-15 Starting at 1/4 cor. bet. sec. 14-14, set run W. on 8° var. At 180 W. sup; 2071 hub; 832.15' hub; 1325 cross creek; 1338.5' hub; 1560.1 hub; 2560.5' hub; 2636.5' cor. to sec. 10-11-14-15 sets N. 6.75'

June 11-12-13-14 F. N. Maloney, Transit, Roy Bryant, axe, Harold Curo, axe. We left camp at 6-45, taking with us instrument, chain, brushhook, axe and 2 I.M.s. We walked to M.C. No. 9 on E. side of sec. 14 at N. side of

11-12-13-14 Portage lake, where we found a wood stake marking the cor. We checked the distances & bearings & found same correct as shown by Gorman's notes. From here we check chain his measurement N. to

11-14 the sec. cor. of sec. 11-12-13-14 & find same to be 722' as shown by his notes. We checked stake set for sec. cor. set by him, and find same to check for distances, but one slightly off as to bearing. From

11-12-13-14 here we walk th. to 1/4 cor. bet. 11-14 to find same to rand. line W. from cor. of sec. 11-12-13-14 as his notes do not show a tri. &

11-14 to brush and hub a line S. We found the 6'x6'x60' Tarn. post set some time ago for this 1/4 sec. cor., & check it for dist. on the U.S. B.T. which is now a stump but showing plainly the B.T.

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- The U.S. Gov't notes call for a Nor. Pms 10 N. 58° W. 123. - checks for dist. & bearing. I set the instrument over this cor. and with a backsight to the W. on a hub of sand line run from this pt., I turned 90° 04' to L. & brushed & hubbed a line to the S. about 2000'. I n. trying to tie this line to sand line from the cor. of secs. 11-12-13-14 found an error of 3.2' in chaining, so decide to check chain Gorman's sand line. F. N. Molyneux & H. Curo. go to N. side of sec. 14 to check chain sand line run W. from the cor. of sec. 11-12-13-14 and found an additional error of 24.5' making a total error of 27.7' bet. the sec. cor. and the 14 sec. cor. We find the dist. 2630.4, against Gorman's chainage of 2602.7'. I rechaind this 1/2 mi. as a check on our own chaining. I find that at 2630.4 W. of the sec. cor. of secs. 11-12-13-14, the 1/4 cor. sits N. 462.0' of the sand line. Then at 1315.2 W. of the cor. of secs. 11-12-13-14 and 38.1' N. of the sand line I set a stake for the 1/16 cor. From this 1/16 line I start a brush & hub line S., making an angle of 88° 12' S.W. with the sand line from the N. E. cor. of sec. 14. H. F. Baldwin, Roy Bryant, & Howard Swanberg, after brushing & hubbing the 1/4 line S. 1/2 mi. from 1/4 cor. come and assist us on this, the E. 1/16 line. at 231.8' hub; 601.9' hub; 650.0' ent. bottom along creek; 970.0' ent. river; 1030.0' river; 1150.0' river bottom; 1166.8' hub; 1230.0' road around lake; 1270.0' hub; 1275.0' ent. marsh around lake; 1306.0' edge of water. On this line we follow S. along an old but well blazed line.
- June 23. H. F. Baldwin, Transit, Roy Bryant, Harold Curo, & Howard Swanberg, W. 1/16 11-14
ape. We go to W. 1/16 cor. bet. secs. 11-14 & measured E., from hub at 1338.5' on sand line run by Gorman W. from this 1/4 cor. between secs. 11 & 14, 2025' to a pt. from which we measured N. 3.34' to a pt. which is the true W. 1/16 cor. bet. secs. 11-14. This pt. falls in the creek. We set a 2 1/2 x 48" galvanized pipe for this cor. From the hub set a sta. 1318.25', I set transit over this hub, & with sight to E. & pt. previously set, I turned angle of 90° to R. for sand W. 1/16 line running S. At 117.6' int. the sand line cut by Gorman W. from the cor. of secs. 11-12-13-14. The angle to S.W. is 88° 17' 30". At 355' set hub; 400 quit on account of rain.
- June 24. H. F. Baldwin, transit, Harold Curo & Howard Swanberg, W. 1/16 11-14
cont. the W. 1/16 line S. thru sec. 14 and at 446.2' set hub; 986.7' set a hub, small stream; 1100.0' lv. Tam. sup. Entire line to here has been thru sup; 1120.4' hub; 1275.8' hub; 1416.4' set hub. Ent. Tam. sup; 1625.0' lv. sup; Above line chained by Molyneux. Molyneux joins party on line & cont. same S. Chas. Rist. also assists in cutting brush on line and at 2460.9' set hub; 3062.2' set hub; 3200.0' quit chaining, but brushed & hubbed S. to road.
- June 25. Molyneux & Curo mend tape and go to 3200.0' of W. 1/16 line thru sec. 14 & cont. chaining. At 3619.7' hub; 3880.0' hub; 4354.5' hub; 4412.0' road; 4580.0' hub. Quit chaining & went to S. side of sec. 14 to check

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to check up Donner & Gorman. Baldwin & crew went to W. 1/4 line
 Brushed & hubbed same across Gorman's line. We check up M.C.
 No. 25 & find same properly set, but being 108.4' S of sta. 6493.8' of
 Donner's line, at R. angle & not as shown on preceding notes.
 We rechain Donner's line E. from hub at 6520.3: 6721.9: Donner
 6722.3 - 7080.3: Donner 7082.5'. At 6721.9 a hub on Donner's sand
 line I turn 90° and at 112.1' set a hub which pt. is on the true sec.
 line for the S. side of sec. 14 as produced from the true cor. of sec. 14-15
 14-15-22-23 thru M.C. No. 25. From this hub, Baldwin takes transit to
 a pt. about 200' W. and ranges in bet. the hub & M.C. No. 25. Beginning
 at M.C. No. 25, H. Curo & Molyneux chain E. as follows: At 82.5' hub; 139.9'
 int. sand. 1/4 line; 228.4' hub; 337.8' hub; 553.8' hub; 677.8' hub for
 M.C. No. 8 on Postage Lake. We now return to the W. 1/4 line and cont.
 chaining the same S. and at 5220 crossed road; 5300.3 int. the
 true sec. line on the S. side of sec. 14 at a pt. 139.9' E. of M.C. No. 25 or
 at 6660.2' of Donner's line which is 1332.7' W. of sec. cor. The N. 1/4 comes
 at 1346.23' - The E. & W. 1/4 line comes at 2652.65' - the S. 1/4 line comes
 at 3978.98'. We now go to sta. 3978.98 and where we set a hub, and
 set up the transit over it and with a sight to the S., turned an
 angle of 89° 58 1/2' to the L. and brush out the S. 1/4 line to the W. coming
 to a small lake in which this line int. with the sand. line on W.
 side of sec. 14. We then returned & brushed this same line E. to P. Lake.
 Molyneux & Harold Curo go to intersection of the W. 1/4 & S. 1/4 lines of sec.
 14 and measured W. as follows: At 136.1' hub; 314.8' hub; 464' hub; 486'
 hub for a M.C. at highwater line of a lake; 830' edge of lake. From
 here we returned to the pt. of intersection and chain E. to Postage Lake
 as follows: At 365' cross road; 371.7' hub; 775.5' hub; 1017.3' hub;
 1089.5' hub; 1185.3' hub for M.C. on 1st reef; 1275' outer reef.
 Baldwin & crew go to sta. 2653.65' on W. 1/4 line & set a hub over
 which he set transit with backsight to the N. turning an angle of
 89° 58 1/2' to L. & started brushing & hubbing to W. At 578.4' hub; 593.6'
 hub; 1153.5' hub; 1364.1' hub I intersect Donner's line at 2768.9'.
 Angle N.E. = 90° 34'. We now return to the intersection of this
 line with the W. 1/4 line & run the line E. and at 1766' hub; 535.4' hub;
 1300.5' hub; 1322.5' hub, int. 1/4 sec. line - N.W. angle = 89° 57'. 1386' road;
 1600' 35" R. to Thompson's log cottage; 1760.5' hub on bluff by camp on
 Postage Lake; 1805.0' hub. I.M. for M.C. on edge of bank; 1827' edge of water.
 We then went to sta. 1326.33 on the W. 1/4 line at which pt. we set transit
 over, and with a sight to the S., turned an angle of 90° 1 1/2' to the R. and
 run W. on N. 1/4 line thru sec. 14. At 100' int. Tam. swp; 648.2' hub; lo.
 swp; 1025' small stream flowing N.; 1164.6' hub; lake 20' W.; 1375.6' int.
 Donner's line at 5096.8' lake 50' L. This line runs thru a Tam. swp.
 Molyneux & Baldwin take I.M. & tools and go to cor. of secs. 10-11-14-15
 where they check up Donner on location of cor. & find same correct. We
 drive the I.M. down over 80' sand, set by Donner, 36" in the ground and dig
 pits, N, W, S & E. 30" sq. 10" deep & 6" from cor. and pile the dirt around
 I.M. for a mound. We now go to the 1/4 cor. bet. sec. 11 & 14 and chain

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S. the $\frac{1}{4}$ line previously cut & hubbed. At 76.2' int. sand line run
 11-12 W. from cor. of sec. 11-12-13-14; 3.30 lt. Pam. swp; 420.0 hub; 550.0 ent.
 13-14 swp; 609.6 hub; 627 ent. creek; 660.0 lt. creek; 770.0 lt. swp; 888.5 hub;
 creek 10.63.8 hub; 1174.9 hub; 1180.0 ent. swp; 1800.0 lt. swp; 1455.8 hub; 1606.0 hub;
 1737.1 hub; 1979.4 hub; 2496.0 hub; 2651.9 int. E & W $\frac{1}{16}$ line.

June 28 Baldwin & crew go to 1526.33 on W. $\frac{1}{16}$ line and run E on line
 $\frac{1}{16}$ E previously projected to the W. At 1183.0 hub; 238.4 hub; 380.0 ent. Pam.
 swp; 383.7 hub; 800.4 hub; 1319.6 hub. Int. N & S $\frac{1}{4}$ line at 1326.2'. S.W.
 angle = $90^{\circ}12'$. Checked by Baldwin & K. Curc, the chaining of the

MC 8 S. $\frac{1}{2}$ of the W. $\frac{1}{16}$ line. Same E. K. Meander lines. Commencing
 at M.C. No 8 (Gov't) with transit setting over same, & siting to hub
 on true line to W. and turning to R. $101^{\circ}10'$ for the first course
 a dist. of 302.0'. Thence R. $21^{\circ}55'$ to 999.4' - L. $17^{\circ}10'$ to hub at 1321.5' -
 R. $5^{\circ}13'$ to M.C. on S. $\frac{1}{16}$ line at 1485.6' - $15^{\circ}40'$ to hub at 1800 - $7^{\circ}40'$ R.
 to hub at 2194' - $7^{\circ}20'$ R.

June 30 Cont. Meander of Postage Lake $7^{\circ}20'$ R. to hub at 2633.4' - $6^{\circ}50'$ R.
 to hub at 2814.6' - $5^{\circ}27'$ L. to M.C. on E & W $\frac{1}{4}$ line at 2960.8' - 1° R. to hub
 at 3137.4' - $10^{\circ}22'$ L. to hub at 4017.5' - $23^{\circ}50'$ to M.C. on E. $\frac{1}{16}$ line at
 4604.8' - $22^{\circ}12'$ R. to hub at 5799 - $19^{\circ}53'$ L. to hub at 5579.9' - $33^{\circ}50'$ R.

MC 9 to M.C. on sec. line at 6070.8' (M.C. in I.M. for M.C. No 9) N.W. angle = $98^{\circ}30'$
 Charley Rice, Molyneux & Krenburg set $2\frac{1}{4} \times 1\frac{1}{8}$ " capped I.M.s at fol-
 lowing corners: M.C. # 9 on N. side of Postage Lake, Gov't sec. cor. to

11-12
 13-14
 MC 25 # 25 E. side of Rainy Lake bet. sec. 14-23. Thence go W. and sec.
 14, N. of Rainy Lake and at sta. 1510.4 Danneberg sand. line with site
 to S, turn 90° angle L. & set hub 14.04' which is pt. on true line. Setting
 transit over this hub & using for a flag, a stake set to the S. by
 Norman on true line at sta. 1731.3 We then set a stake at sta.

MC 30 14.35.0 for M.C. # 30 on N. shore of Rainy Lake, 14.00 being the water line.
 We then projected the true line N. and at 1609.9 set hub; 1870.0 road;
 1975.0 ent. Pam. swp; 2136.9 hub; 2140.0 lt. swp; 2208.5 hub; 2380.0 set
 semi I.M. for M.C. on S. side of Bass Lake; 2410.0 edge of water.

MC 25 Meander line of Rainy Lake in sec. 14. Commencing at M.C. No. 25
 on E. bank of Rainy Lake, S. side of sec. 14. With transit over M.C.
 backsight on true line to E., I turn $107^{\circ}45'$ L. 314.6 for first course,
 thence $82^{\circ}59'$ L. to hub at 592.7 - $38^{\circ}09'$ L. to hub at 1054.0' - $39^{\circ}18'$ L. to
 hub at 1275.6' - $37^{\circ}53'$ R. to M.C. on N. side of lake at 1516.9'.

semi Meanders of Bass Lake in sec. 14. Commencing at the M.C. on S.
 shore of Bass Lake on W. line of sec. 14, with sight to S., I turn an
 angle of $59^{\circ}58'$ L. 266.2' - $86^{\circ}48'$ L. to M.C. on S. $\frac{1}{16}$ line on E. side of
 Lake at 421.8' - ($144^{\circ}01'$ L. to S. $\frac{1}{16}$ line) 21° L. to hub at 983.9' - 47° L.
 to hub at 1346.9' - $28^{\circ}36'$ R. to hub at 1821 - $58^{\circ}07'$ L. to hub at 2136.1 =

E. $\frac{1}{16}$
 MC 8 sta. 3470.7 of true W. line of sec. 14. We set $2\frac{1}{4} \times 1\frac{1}{8}$ " capped I.M.s
 at following corners: E. $\frac{1}{16}$ on S. side sec. 14, M.C. # 8 on S. line of sec. 14
 MC 30 on W. bank of Postage Lake, M.C. # 30 on W. line sec. 14 on N. bank of
 Rainy Lake, M.C. on W. line of sec. 14 on S. bank of Bass Lake, M.C.
 on S. $\frac{1}{16}$ line on E. bank of Bass Lake, W. $\frac{1}{16}$ cor. on S. $\frac{1}{16}$ line, M.C.

500

on S. 1/4 line on W. bank of Portage Lake, N. 1/4 cor. on W. 1/4 line, N. 1/4 cor. on W. side sec. 14, W. 1/4 cor. bet. secs. 11 & 14 falls in creek so I set two wit. 1 M., one 20' W. & the other 50' S. of this cor., 1/4 cor. bet. secs. 11-14.

July 1. Set following corners: 1/4 cor. bet. secs. 14 & 15, W. 1/4 cor. on E. & W. 1/4 line, Cent. of sec. 14, N. 1/4 on N. & S. 1/4 line, M.C. on E. & W. 1/4 line on E. side of Portage Lake. Henry Greenberg arrives with a letter from J. W. Curo instructing us to lay off and monument a strip of land 20 rods wide across the N. side of lot 3, sec. 14-139-30. We go to N.W. cor. of lot 3 & chained S. 20 rods along this W. 1/4 line which is the W. boundary of lot 3 & the S.W. cor. of the tract in question. At this pt. we set transit over the hub and run a brush & hub line E. & parallel to the E. & W. 1/4 line for the S. side of said strip of land.

July 2. Cont. survey of the A.R. Thompson tract as follows: At 208.5 set a hub; 468.5 hub; 917 cross road; 1170 hub; 1320 pt. on N. & S. sand. line 330' S. of E. & W. 1/4 line; 1575.8 hub for M.C.; 1588.3 = 2567' of meander of Portage Lake; 1594 edge of water. Angle to S.W. = 60°48'. At S.W. cor. of A.R. Thompson tract and at M.C. on S. line on bank of lake set 1 M.

July 7. Sub-division of lot 2 sec. 14-139-30. Baldwin, transit, Harold Curo & Charlie Rice, assistants. Starting at the 1 M. in cen. of sec. 14 we chain 33' E. along E. & W. 1/4 line. Here we set a hub & sighting W., turn angle of 89°43'. This line is E. boundary of road & W. boundary of lots running to lake shore. At 157.9 hub; 233 hub, cor. of lot; 433 hub; 633 hub; 833 hub, cor. of lot; 919.5 hub; 1033 hub, lot cor.; 1066 hub, N. side of road.

July 8. Cont. line N. At 1204.9 hub; 1326 1 M. is 33' W. At 1066 I back sight S. & turn angle 89°43' L. & run line E. At 129 hub; 206.9 hub; 341.8 pt. on birch stump; 670 hub; 680 road; 954.5 hub at intersection of meander line = 4107.5 on meander line. Angle to N.W. = 135°05'. Going back to 833.0 on line run yesterday, I turn an angle of 90°17' N.E. At 204.3 hub; 527.3 hub, Boston brings 10 small pipes.

July 9. Cont. line E. At 615.8 hub; 618 Jack pine tree 10" stands on line; 669.6 even slope to lake; 677 road. Intersection 804.4 = 3868.2 on meander line. Angle to N.W. = 111°08'. We now go to sta. 633' on N. & S. line & start line parallel to one 200' E. At 184.6 hub; 421.2 tack on J. Pine stump; 470 a 12" J.P. on line; 490 an 8" J.P. on line; 617 road.

July 10. Cont. E. At 663.8' hub on top of bank; 715 bottom of bank; 726.5 a hub on intersection of meander line at 3654.7. Angle to S.W. 68°48'. We now return W. and at 453 on N. & S. line, start line E. At 500.4 hub; 576 hub on top of bank; 630 bottom of bank; 648.0 intersect meander line at 3440.0. Angle to S.W. = 68°49'. 680 to water. Going W. to N. & S. line, we start a line E. at hub 233' N. At 310' a 10" Nor. Pine on line; 345.6' Nor. pine on line; 362 hub; 434 road; 507.8 hub on top of bank; 569.5 intersect meander line at 3224.3. Going to E. & W. line, we chain N. parallel to line at W. end of lot, a dist. of 233' checking the line E. from hub at 233' on N. & S. line. Then from hub at 507.8' turn angle of 89°43' N.W. & chain

20 Rods
14-139-30
Lot 3

Sub-division
Lot 2
cent
14

Road

200' N., checking line E from hub at 433' on N. & S line at intersection of rand. line of N. & S. 1/4 line at W. side of lot 2, we measure 3.9' E. to this line & set I.M.

July 12. The following cor. are marked by 1/4 x 1/8" galvanized pipes without caps. At the N.W. cor. of each, at the intersection of each lot line with the meander line. The N.E. cor. of the N. lot is found by measuring 33' S. from two hubs & at intersection of this line 33' S. of line E. from 1066 with meander line we drive hub. Chained from pt. on line E from 433; 200' N. checking line E from 33' and 200' to line E from 838' & 233' N. to line E. from 1066. After checking these lines we correct E. 1/16 cor. bet. 11-14 N. 1.7'. The 1/4 cor. bet. 11-14 N. 3.4' & the W.W.C. of the W. 1/16 cor. N. 1.7'.

E 1/16
11-14
11-14
11-14

Recorded April 5, 1922.

James H. Flynn, Co. Surveyor
By E. B. Hunt, Deputy.

Field notes of the survey of a township road in Twp. 140 N.

Rge. 31 W. of the Fifth Principle Meridian

July 15, 1914.

Notes compiled by F. A. Donner

Bert Gallope takes Curo & I across lake from Hackensack to Victor Martin's farm in gas launch. We go to the 14 cor. bet. sec. 14 & 23 - 140-31 where U.S. notes call for W.P. 14 N. $53^{\circ}W$. 54.12'. We find 1" iron bolt set by Guy Todd for the true 14 cor. from which the stump of the old B.T. stands correct for course and distance. We take new bearings as follows: Nail at base of old U.S. B.T. stump bears N. $53^{\circ}W$. 53.98'. Nail in 10" pop. stump bears N. $2^{\circ}16'E$. 35.8'. Var. 11° . Old Buff & Berger transit, 100' Chicago steel tape. Dinner with Victor Martin. We are working for Cream Twp. Curo, Donner, & Victor Martin walk to the cor. of sec. 23-24, 25, & 26 where U.S. notes call for a post and the following B.T.s. B.P. 8 N. $68^{\circ}W$. 28 lbs. - N.P. 10 N. $57^{\circ}E$. 43.56' - N.P. 12 S. $36^{\circ}E$. 58.58'. We meet Wm Kendall who shows us the old stake set by former Co. Survey, B.B. Bartlett, from which we find the J.P. stump, also the stump of the old S.E. B.T. and from the face of these stumps we set tack in hub for true cor. by flat measurement after which the old N.P. bears S. $29^{\circ}30'E$. 58.58' and the J.P. bears S. $80^{\circ}30'W$. 12.48'. The old N.E. B.T. cannot be found. We make new bearing trees as follows: J.P. 5 S. $52^{\circ}16'W$. 21.85' - J.P. 5 S. $69^{\circ}05'E$. 20.57'. At 9° var. Going half mi. S. to 14 cor. bet. sec. 25-26 - 140-31 where U.S. notes call for B.P. 4 S. $2^{\circ}30'W$. 50 lbs. - App. 2 S. $31^{\circ}E$. 15 lbs. We are unable to find any evidence of the old bearing trees but we find a stake marked 14 sec. from which we pass $\frac{1}{2}$ mi. S. to the cor. of sec. 25-26-35 & 36 where U.S. notes call for N.P. 12 S. $69^{\circ}E$. 217.8' & N.P. 10 S. $18^{\circ}10'E$. 198.0'. We find stumps of both old bearing trees and quit for night. Over night with Victor Martin.

Curo goes back to Walker on midnight train.

July 16

Victor Martin & I leave his place at 6:45 A.M. and walk over to cor. of sec. 23-24-25-26 where Wm Kendall joins us & we start to run road from sec. cor. of 23-24-25-26. At 7:18.87 set temp. hub; 7:06 cross old trail; 10:02 cross old trail; 13:06.1 set temp. hub with tack. At 10:30 A.M. W.M. Bodenhofer joins us. We clear brush till noon. I eat dinner with Victor Martin in the shade of some pines. We are at sta. 14. Victor Martin leaves at noon to rack up oats. Donner, Kendall, & Bodenhofer go on with N. & S. road from sta. 14. At 1442.55 we set temp. hub with tack; 2429.75 set temp. hub with tack; 2265 ent. swp; 2300 lv. swp; 2755 ent. swp; 2800 lv. swp. We run to sta. 3000 & quit for night. Over night at Martin's.

July 17

We cont. the road S. At 3158.3 set temp. hub; 3415.9 temp. hub; 3800 we cross old Park Rapids trail; 3925 ent. marsh; 4195 lv. marsh; 4292.75 set temp. hub; 4487.0 set temp. hub; 4965.3 set temp. hub; We run about 35' or 40' W. of old cor. of sec. 25-26-35-36 where U.S. notes call for N.P. 12 S. 69° . 217.8' & N.P. 10 S. $18^{\circ}10'E$. 198.0'. We clear brush bet. cor. of sec. 25-26-35-36 to the two

bearing trees mentioned above. I set up transit over old cor. stake but I cannot check the angle that the U.S. notes give using a var. of 9° . We chain to old bearing trees from old cor. of sec. 25-26-35-36 but do not check the distances called for by the U.S. notes. We quit for night. Over night with Victor Martin.

July 18. We walk to cor. of secs. 20-26-35-36 & flat chain true cor. of 25-26-35-36. I set up transit over cor. and read the following angles: N.P. 10 S. $20^\circ 22'$ E. 198' & N.P. 12 S. $70^\circ 20'$ E. 217.8' where U.S. notes call for the following angles: N.P. 10 S. $18^\circ 15'$ E. 198' - N.P. 12 S. 69° E. 217.8' We set new bearing trees as follows: J.P. 8 N. $89^\circ 20'$ E. 84.45' & J.P. 6 S. $12^\circ 16'$ W. 28.9' var. 9° . We hit temp. line at 5315.9' & 5334' W. of cor. We set hub on true line at 4965.8 - 4487' - 3158.3'. We set true $\frac{1}{4}$ cor. bet. sec. 25 & 26 at 2658' where U.S. notes call for B.P. 7 S. $62^\circ 30'$ W. 20 links & Dep. 2 S. 31° E. 15 links. We are unable to find either of these bearing trees so we set new bearing trees from true $\frac{1}{4}$ cor. as follows: Big rock 3' dia with cross cut in top S. $86^\circ 21'$ W. 20.77' - N.P. 12 N. $5^\circ 56'$ 45.0' var. 9° . We set temp. $\frac{1}{16}$ cor. at 1326' S. W. Bodenhofer joins us. He was cutting hay thru G.M. We set true $\frac{1}{16}$ cor. 1325' from sand line at 1325' S. & make R. 70 to it as follows: J.P. 6 N. $83^\circ 19'$ W. 29.75' & J.P. 3 S. 38° E. 67.45' We set true hub at 7887, 719' from temp. hub. I set up at cor. of sec. 23-24-25-26 and use hub at 718.87 for back sight and run true line N. from cor. of secs. 23-24-25-26, var. $9^\circ 30'$. At 296.4 set hub; 1000 set hub; 1050 ent. swp; 1320 set $\frac{1}{16}$ cor. for Kendall.

July 20. Cont. N. at 1900 lv. swp; 2318.75 set hub; 2640 set $\frac{1}{4}$ cor. bet. sec. 23-24 with new bearing lines as follows: Bush 12 N. $36^\circ 49'$ W. 42.0' & W.P. 36 S. $84^\circ 50'$ E. 121.0'. at 3096.5 edge of lake. We start E & W road at 1326' S & run E on $10^\circ 30'$ var. at 483.4' we set hub. We run to sta 1000 E. & quit for night.

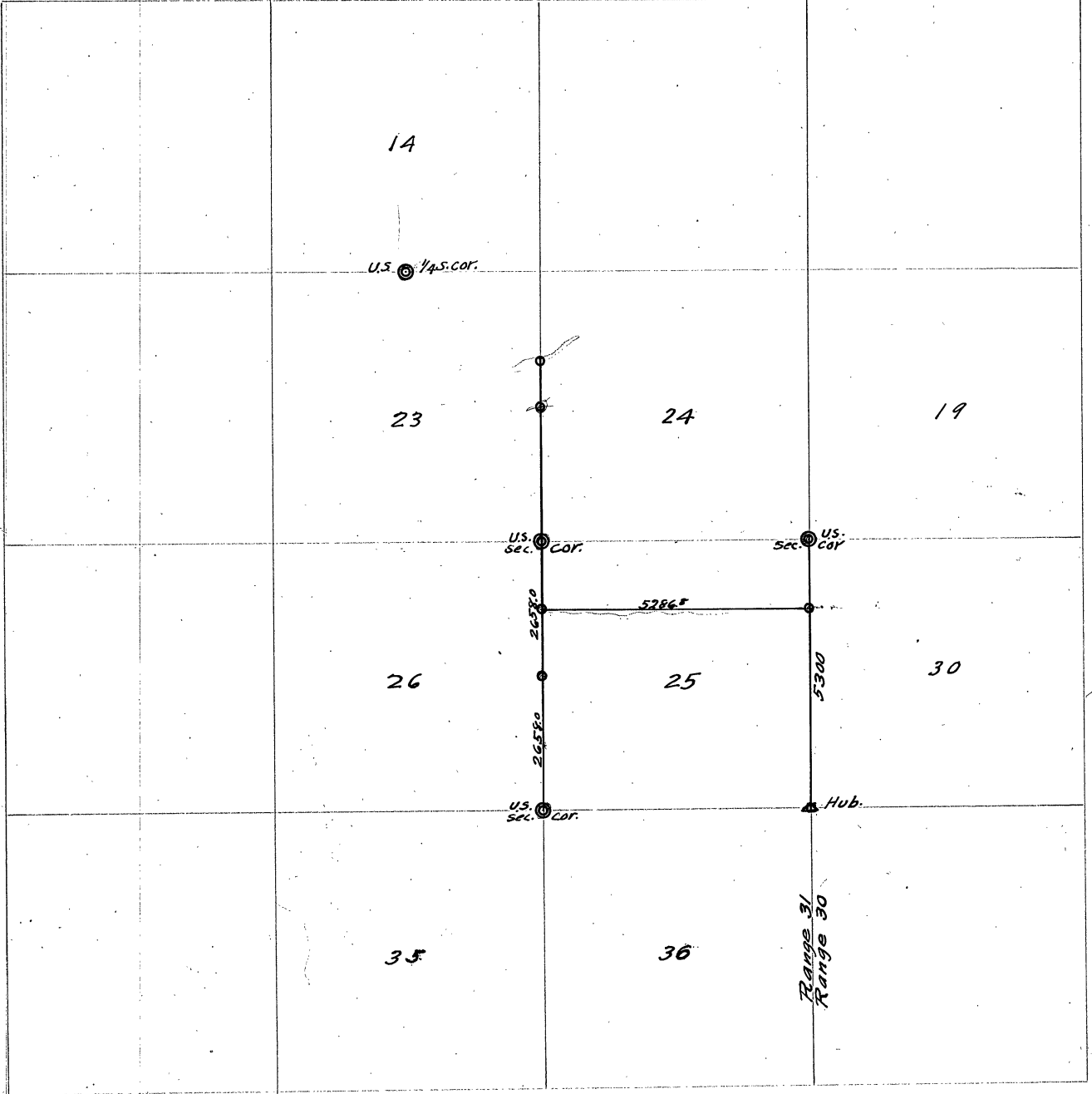
July 21. The two Gratchell boys join us & we cont. E. At 1100 set hub; 1400 set hub; 1965.6 hub; 3536.7 hub; 3690 cross old Park Rapids road; 4674.15 we set hub; We run on to 5300 E. and then go N across to ^{5280 arc 24-25-26-30-31-30} ~~5280 arc 24-25-26-30-31-30~~ where iron hub is set and run from there S on 9° var. At 260.0 S. we cross Park Rapids road; 282.0 set hub; 900 S. we set hub & quit for night.

July 22. We run on from sta. 900. At 1233.75 we hit E & W road and at 5286.8 E. we set $\frac{1}{16}$ cor. with B.T. in follows: J.P. 12 N. $71^\circ 39'$ W. 59.2' - W.P. 14 S. $27^\circ 04'$ E. 95.6' Harold Banister goes home & W.M. & I go to $\frac{1}{16}$ cor. on S. shore of lake where H. Todd left off surveying. We start from here & run S. $35^\circ 20'$ E. 140 paces, N. 69° E. 120 paces, then N. 82° E. 200 paces & hit the N. & S. road about 10' N. of the $\frac{1}{4}$ cor. bet. secs. 23-24. This is a part of a traverse road which Victor Martin asked me to run for him. quit for dinner. C.M. I complete my notes & write a letter, then I walk to town to get further information from Curo. I get letter from Curo saying he will come to Hackensack on the 4-19 train. I wait for train & see Curo. He stays at Hackensack with me. We go out and locate cor. of section.

001-501 D
F.B. 97

Survey Record No. 501
50.

TWP. 140 N. RGS. 30 & 31.



17-18-19-20 and set hub in Jim Miello yard to start from. We go back to town and get Charles Gallope to take us across the lake. I go over to Victor Mastone and get the outfit and my clothes and come back + stay at Lakeview Hotel over night. Euro goes to Walker-

July 23. We start at the N. E. cor. sec. 25, ²⁴⁰⁻³¹ and run S. At 2400 we set hub on temp. line. At 2640 we look for 1/4 cor. when U.S. notes call for the following B.T.s. Y.P. 12 N. $64^{\circ}45'$ E. 23 links - Y.P. 12 S. 84° W. 23 links. We are unable to find the 1/4 cor. + B.T.s called for by U.S. notes.

We cont. line S. At 2700 we set temp. hub. Cont. S. to 3400 + quit. July 24. We cont. line S. from 3400. At 3775.9 set temp. hub; 4090 cont. swp. + cont. in swp. to 4800 + quit for dinner. We cont. S. in swp. and at 5300 we set temp. hub. We look around for about 2 1/2 hrs for cor. which U.S. notes call for as follows: Yam. 10 N. $54^{\circ}30'$ E. 49 - Dead Yam. 7 N. $69^{\circ}30'$ W. 48 - Yam. 7 S. 44° W. 33 - Dead Yam. 10 S. 86° E. 32. We are unable to find cor. or any of these B.T.s. We find a cor. stake set by Bartlett. I set up over this cor. + turn the angles given by U.S. notes and chain the distances but we are unable to find any B.T. I call up Euro + he says to discontinue this survey.

Recorded April 8, 1922

James H. Flynn, Co. Surveyor.
By E. B. Hunt, Deputy

Survey Record No. 502.

3-141-26

Report on the Survey and Location of the Pound and Wax Co. Road on the E. + N. lines of Section 3. Sup. 141-26 (Remer)

Beginning at the E. 1/4 post of said Sec. 3, which was:
 11 Spruce 14 N. 42 W. 12 links (2) Spruce 12 S 62 E. 13 links.
 On July 1st 1912, and at time of the survey of the Remer Longville road, I made new bearing trees at or for the location of this post to wit: Samarac stump 13 N. 8 W. 29 ft. Sam. stump 10 S 10 E 7 1/2 ft.
 At this date these bearings are in evidence (the south one slightly burned), at that time July 1, 1912, I put down an iron pipe for post 1 1/2" x 30". The same is in place at date; then from said post or pipe I run a random line N. 1° W. angle 89 and at 1320' temp. 1/10 post and at 2415' a hub from whence the N.W. cor said sec. 3 is N. 45 E. 33' 8" said hub being 332' W. and 23' 2" S. of said Sec. corner which was: Spruce 12 N 22 W. 10 links, Spruce 6 S 74 E. 15 lbs, Spruce 10 N. 6° E. 17 lbs, White Pine 24 S. 18° W. 37 lbs. (on date, Apr. 10, 1922, is a white pine stump cut off 4 ft high so as to preserve the original gov't markings). Therefore at 27' 1/2" N. 18 E. is an iron pipe for said sec. corner, in the centre of a R.R. grade; distance from the E. 1/4 post Sec. 3 to this corner 2438 ft. dist. given by Gov't as 2444' 6" then returned to the said E. 1/4 post of sec. 3 and it requires 0.30 for correction I set that amount E. of the random line + proceeded to establish the true line by stations of 100' to wit: Sta. 0 25 long culvert to be placed in ditch on N. side of Babcock Highway No. 34 Sta. 4. 30 Wagon road N. 20 + S E. Sta. 8. 60 Culvert Sta. 13 15 1/4 corner. Sta. 14 60 Culvert Sta. 15. 00 enter cleared land left. Sta. 20 Cultivated land left Sta. 26 then N. 45 W. 55' to a point 37' 6" W. of said N.E. corner Sec. 3 on town line.

April 11, 1922, beginning at the above mentioned N.E. corner to said Sec. 3 then random line W. 90°; at 1320' temp. post at 2434' a hub then N. 81° W. 9° to quarter post on N. side of sec. 3, a dist. of 229'; thence said hub is 224' E. + 35' 82" S. of 1/4 post which was: Spruce 8 S 88° E. 10 lbs, Spruce 8 N. 2° E. 12 lbs. Now is: Spruce stump with pt. an end iron monument for post I marked up new bearings for the point to wit: Cedar 9 S 43° W. 19' 17". Cedar fence corner post 8 N 30' returned to N.E. corner and turned 0.44 to right of random line for true line then by stations of 100' Sta. 29. house of G.A. Pound 200' south. Sta. 29.94 wire fence runs S also another N. along the line Sta. 34.40 Culvert. Sta. 39.45 ft. 1/4 S. Sta. 39.49 enter plowed field left. Sta. 42.50 leave field enter Sam. swamp. Sta. 43.50 Culvert. Sta. 44 leave Sam. swamp. Sta. 52.75 ft. 1/4 post N. side sec. 3.

N.E.

300

Survey began Apr. 10 + ended Apr. 11, 1922.

plat Page 53.

J. H. Flynn, surveyor or asst.
 Jas. E. Lewis, G. A. Pound, Jno. Wax

Recorded Aug. 23, 1922. By E. B. Horst, deputy.

6582 void

Report of the Establishment, Location and Survey of Co. Road
in Twp 142 N. R. 25 W. Cass Co., Minn.

This survey is a continuance of the "Began" road previously reported from Sta. 1 to Sta. 298+22, this Sta. is the 1/4 S. between Sec. 8-9 said Twp. Then beginning at this Sta. thence N. along sec. line between sec. 8-9 to Sta. 310+27; Then N. along sec. line between secs 8-9 to Sta. 319+44; then N. 10 W. 886' ~~222~~ around impassable swamps to Sta. 319+14. Then N. 10 W. 886' to Sta. 328, on sec. line 4-5 said Twp. and 225' on sec. line N. of the cor. to Secs. 4-5 8-9, then beginning at the corner which was: Jam. 10 S 53° W 28 lbs. Jam. 10 N. 58° W 27 lbs. Spruce 10 N. 51° E. 31 lbs. Now is: Birch stub 10 S 60° W 28 lbs (18' 48") Jam. (down) 10 S 53° E. 27 lbs (17' 82") I drove down I. M. 44" x 1 1/2" then ran trial line northerly W. 62° 5'. At 1320 ft temp. 1/4 cor. at 2640 hub. Then S. 58° 75° 45' west to 1/4 cor. for sec. 4-5 which was: Spruce 10 S. 62° W. 29 lbs. Now is: stump of former with B.T. with gobet markings very plain. New bearings: Jam. 7 S 47° W 31 ft. Jam. 7 N. 40° E. 29 ft. ~~29~~ 50. min is required for correcting this line we returned to Sec. cor. 4-5-8-9 and ran true line 225' road location at Sta. 328 Sta. 335+27 culvert. Station 338 * 87 1/4 S. cor. Sta. 342+54 culvert. Sta. 350+25. Enter Jam. + Spruce swamp. Sta. 351+96 1/4 post for Secs. 4-5 aforesaid. Then beginning at this 1/4 post then then northerly W. 71° 15' for random line; At 320' temp. 1/10 stake, At 25-48' hub and as the N.E. cor. for sec. 5 is or was: Spruce 14 N. 80° E. 14 lbs. Spruce 10 S 4° W 10 lbs, Fir 4 S 69° E. 15 lbs. Aspen 12 N. 20° W. 22". We immediately began slaughtering brush in the vicinity and removing the same, finally we located the spruce stump in fairly good condition + with the B.T. plain. From this we located the Aspen decomposed beyond recognition, as to my official marks, put down I. M. 44" x 1 1/2" and as this corner is 3 ft W. and 10 ft N. of temporary line just run we made this the permanent line. New bearings to wit: Birch 12 S 84° E. 27 ft. Aspen 7 N. 81° W. 40". Then returned to said 1/4 S. 4-5 and put in stations as follows: Sta. 352+60 live Jam. + Spruce swamp. Sta. 355 culvert. Sta. 372 culvert. Sta. 374 Wagon road E. + W. Sta. 375+80 slough. Sta. 377+04 end of said road. Made new bearings at the corner to sec. 4-5-8-9 as follows: Rim Ash 4 N. 85° E. 40 ft. Black Ash 12 S 37° E. 38' 8" Balm of Gilead 7 S 62° W. 47'.

This survey began June 19, 1922 P.M. and ended June 23, 1922.
J. H. F. Lynn, Co. Surveyor.
recorded Aug. 23, 1922 By C. B. Horst, deputy

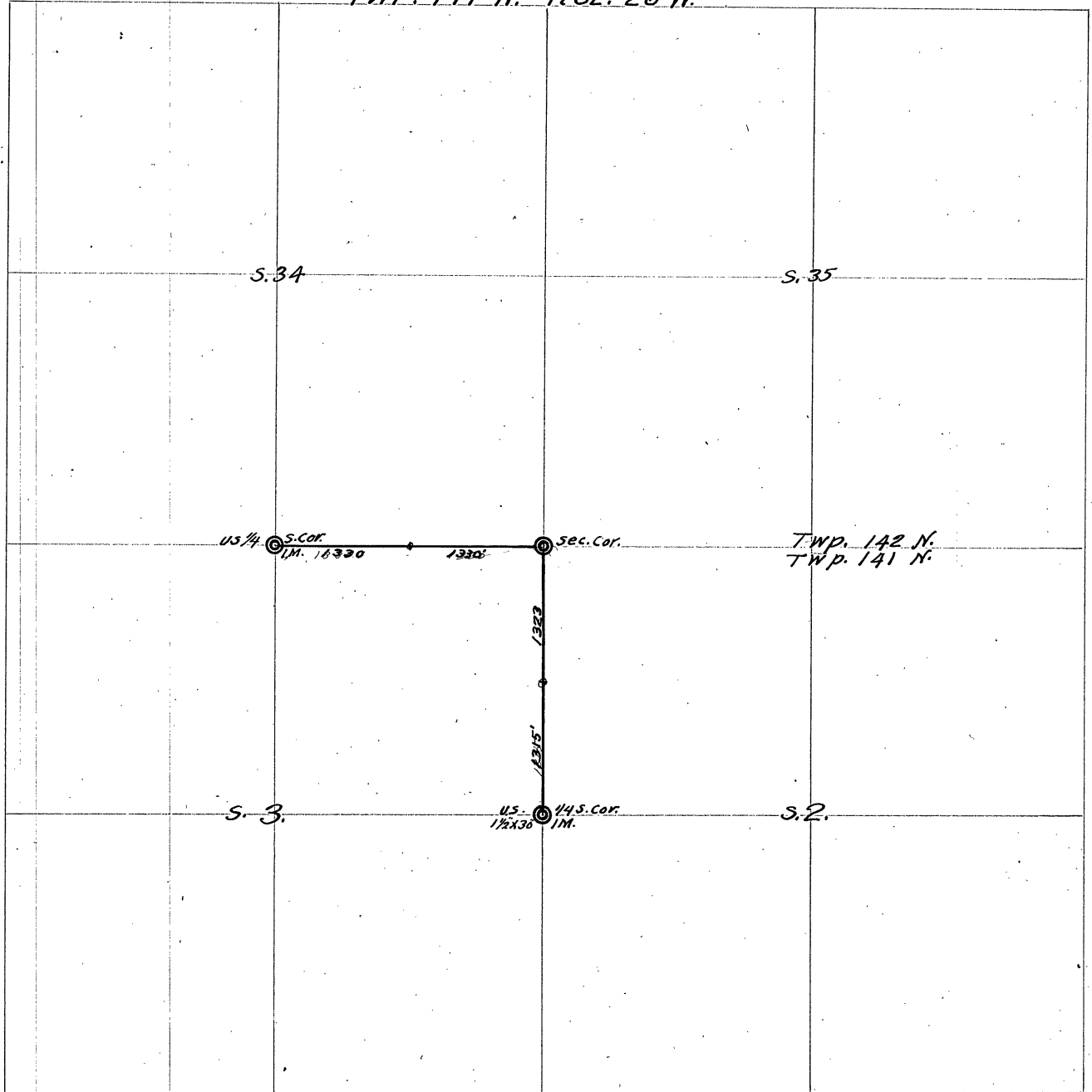
Plot on page 54.

Survey Record No. 502

Plat:

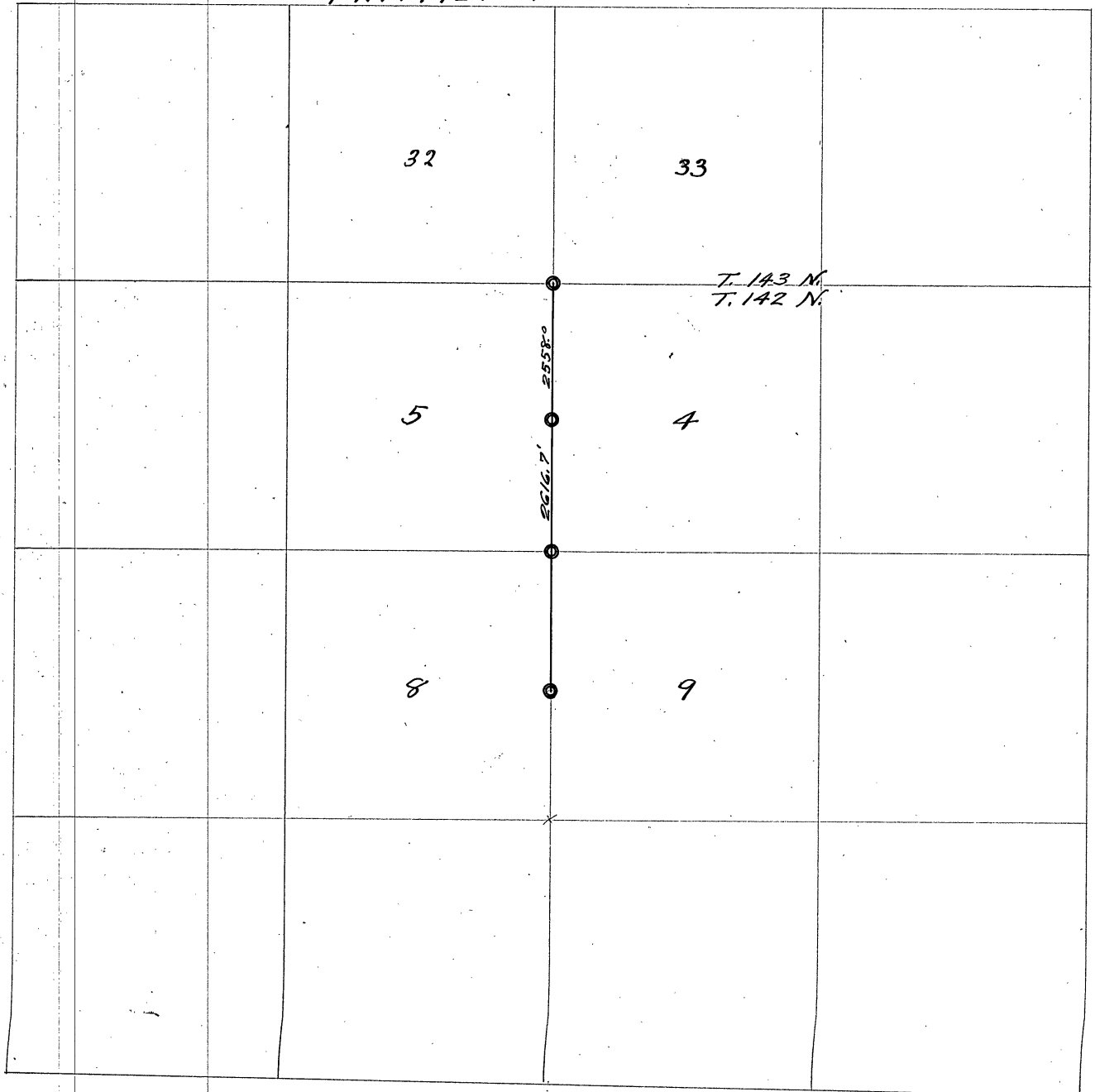
3. Sels.

TWP. 141 N. RGE. 26 W.



Survey Record No. 503
Plat.

TWP. 142 N. RGE. 25 W.



Report on Peter Freshland Road between sections 15-22,
 20-21 Twp. of Remer (141-26) Cass Co., Minn.
 May 27, 1919. Beginning at the N.E. corner of section 22 said town
 which was: Cedar 4 N. 25° W. 20 lbs, Cedar 4 N. 14° E. 17 lbs.
 Cedar 8 S. 40° W. 14 lbs Cedar 7 S. 49° E. 9 lbs. Now is
 Cedar 4 N. 16° E. 17 lbs. Set corner post from this tree
 and made new bearing to wit: Yellow Birch 7 S. 56° E. 63.36 ft.
 Then west along section line between said sections 15-22
 W. 4. 43 Sta. 206.8 1/4 post for said sec. 15-22 which was
 Cedar 8 E. 10 lbs Cedar 6 W. 6 lbs. Now is the same. Made
 new bearings to wit: Fir 7 N. 32° E. 32 ft. Aspen 6 S. 72° E. 27.5 ft.
 Then west on sec. line W. 615 Stations 57 to 51 inclusive
 is heavy cedar and Sam. slashing Sta. 53 is the N.W. cor.
 of said sec. 22 which was: Ash 8 N. 17° E. 27 lbs Ash 8 S.
 51° E. 24 lbs Ash 8 N. 42° W. 35 lbs Cedar 10 S. 14° W. 30 lbs
 now is the same. Put in post, made new bearing trees.
 Continued survey on west between sections 16-21 Var. 5.05
 Sta. 79.40 made exhaustive search for 1/4 post which was
 maple 8 S. 74° W. 45 lbs Birch 8 S. 80° W. 52 lbs Not find
 ing and trace of said bearing trees we continued on
 west Sta. 106.20 N.W. cor. of sec. 21 which was:
 Spruce 14 N. 39° E. 26 lbs Spruce 8 S. 54° E. 22 lbs Spruce
 6 S. 59° W. 19 lbs Aspen 4. Now is: Spruce (stump) 7 N. 39° E.
 26 lbs Spruce (stump) 8 S. 54° W. 54 lbs Spruce (down) 8
 59° W. 19 lbs. Set post but no new bearings.
 (note) on Jan. 23, 1917 after this road was constructed I
 went to the N.E. corner of said sec. 21 and at a point
 1330 ft. west of said cor. drove a post in the center of
 the road + made the following bearing trees therefor:
 Sam. 4 S. 2° E. 22.3" Spruce 4 N. 15° 30' W. 47.5" ft. At
 5' 460 ft 1/4 post for said secs. 16-21, drove a post in
 center of road with following bearing trees: Linden
 10 S. 41° E. 30 1/2" ft. Linden 12 N. 48° W. 77 1/4" ft. At
 3990 drove in center of road and made following
 bearings: Aspen 10 S. 45° W. 25 ft. Aspen 10 N. 70° E.
 57 1/2" Then went south from said N.W. cor. said
 sec. 21 Var. 6.10 along the section line between sections
 20-21 to Sta. 132.29 1/4 S. ft. 20 + 21, which was:
 Spruce 4 S. 79° W. 14 lbs Spruce 4 S. 60° E. 13 lbs.
 Now is: Spruce (down, partly obliterated) 4 S. 79° W. 14
 lbs Spruce (down, partly obliterated) 4 S. 60° E. 13 lbs.
 Set post according to these trees and made new bear-
 ings to wit: White Birch 14 S. 63° W. 35 ft. Nor. Pine 9 N. 75° E.
 38.25 ft. Then continued south along section line
 between sections 20-21 to Sta. 158.80 Var. 7.07 to the N.W.
 (over) 675

Survey Report No. 504

corner of said section 21 which was: Aspen 47
 68 W. E. 21 lbs. Fir 8 N. 67 W. 11 lbs. Aspen 10 S. 69 W. 26 lbs.
 Fir 6 S. 22 E. 25 lbs. Now is: Aspen (stub) 47 N. 68 E. 21 lbs.
 Fir (stub) 8 N. 67 W. 11 lbs. Aspen (stub) 10 S. 69 W. 26 lbs.
 Fir (stub) 6 S. 22 E. 25 lbs. Made new bearings:

Aspen 14 N. 71° E 30.50 ft. White Oak 8 N. 69° W. 32.50 ft.

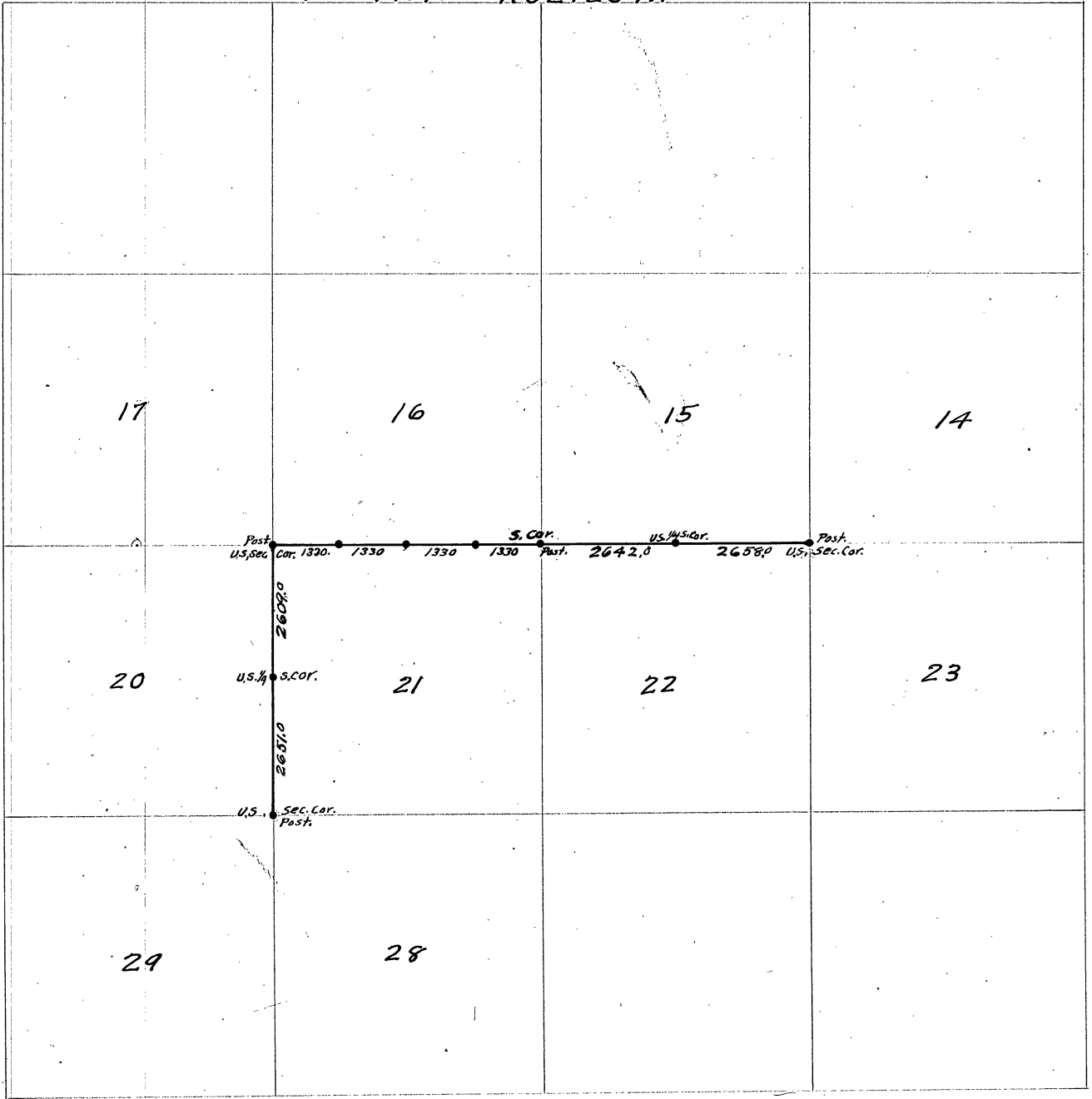
This survey was continued on south for 2 miles more, or to the town line but has been abandoned. At the time of this survey I forwarded a copy of said survey to the then County Surveyor for recording, one, John Curo by name, but for some reason or other it appears, he did not record the same.

Above survey was begun May 27, 1912, and finished June 10, 1912.

J. N. Flynn, Co. Surveyor. now
 recorded by E. B. Horst
 Aug. 20, 1922

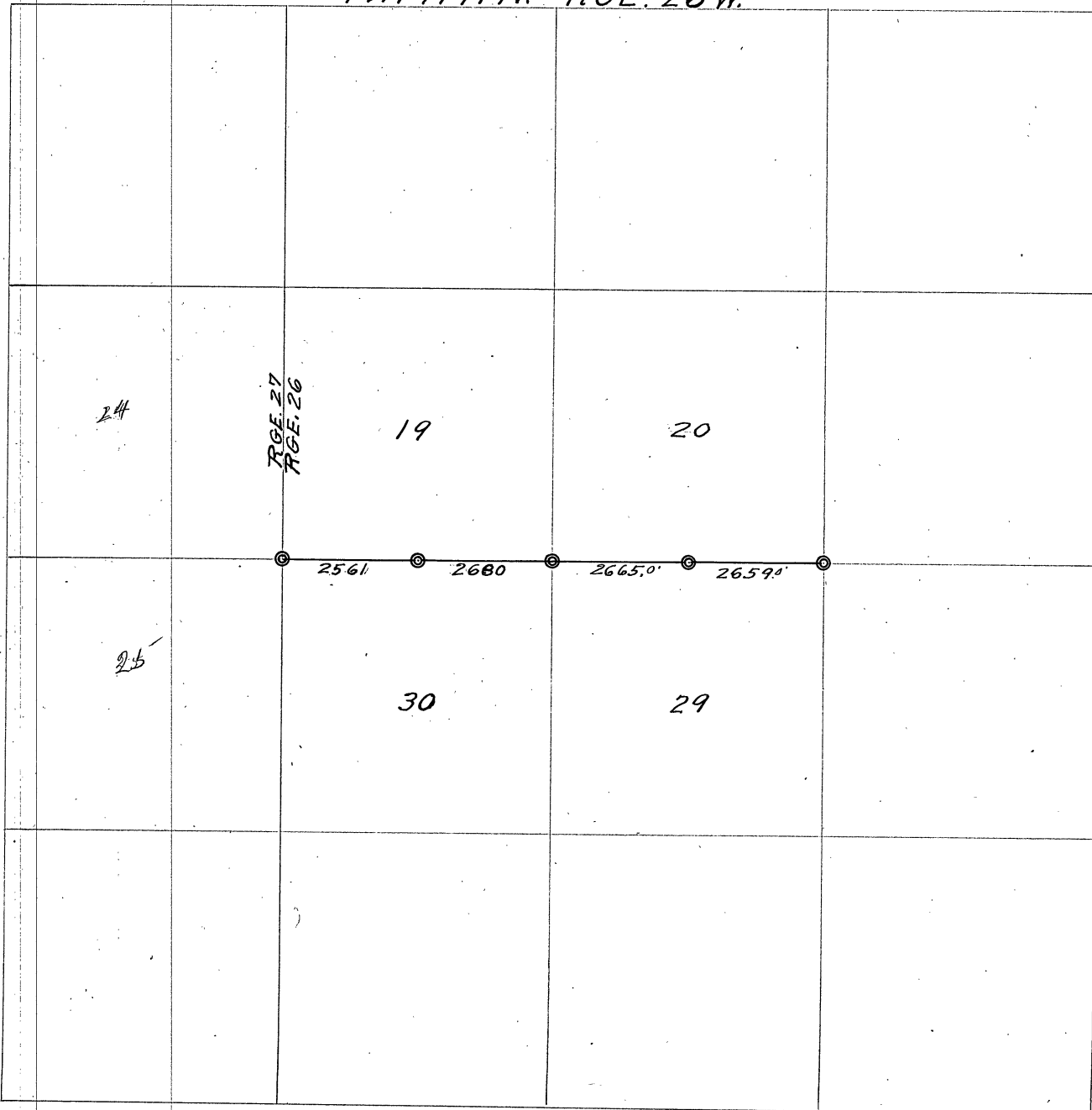
195

TWP. 141 N. RGE. 26 W.



Survey Record No. 505

TWP. 141 N. RGE. 26 W.



Report of the Survey and Location of the Thos. Stanton Road on the sec. lines between secs. 20-29- and 19-30. Twp. of Remer, 141-26 Cass Co. Minn.

Beginning at the S. E. corner for sec. 20 said town, which I set in making the survey of the Peter Freshland road on June 10, 1912 then west along the section line between sections 20-29 said town Var. 6.1.3 26.59 ft. to 1/4 S. for secs. 20-29 which was:

Same 14 S. 73 W. 12 lbs. Spruce 12 N. 4 W. 23 lbs. Now is the same. Set stake from these bearings and new bearings to wit: Black Ash 6 N. 43.30 W. 34 ft. Fir 8 S. 23.15 E. 28 ft. Then west along said sec. line Var. 6.3.5 Sta. 42.77 creek 10 ft wide 2 ft deep. Sta. 43.77 creek 10 ft wide 2 ft deep. Sta. 53.24 corner for sections 19, 20, 29 and 30 which was: Fir N. 49 W. 14 lbs. Cedar N. 17 E. 14 lbs. Ash S. 70 E. 14 lbs. Ash S. 3 W. 73 lbs. Now is the same, except Fir N. 49 W. 14 lbs. which is obliterated some. Set post for this corner from said trees and new bearings to wit: White Birch 10 N. 55 W. 40.75 ft. Black Ash 7 S. 2 E. 29.5 ft. Then west along section line between said sections 19-30 to Sta. 80.04 which is the 1/4 S. Secs. 19-30 whose bearing trees were: - Spruce 8 N. 54 W. 18 lbs. Fir 6 S. 30 E. 7 lbs. Now is Spruce 8 N. 54 W. 12 ft. Fir obliterated by fire, set 1/4 post and made new bearings: White Pine stump 12 S. 12 E. 23 ft. White Pine stub 14 N. 28 W. 73.25 ft. Then west along section 19-30 to Sta. 105.65 Corner to sec. 19-30, 141-26 and 27-25, 141-27 and end of this survey.

Survey began June 12, 1912 and ended June 14, 1912, this will be a state road some day.
J. H. Flynn, Co. Surveyor,
recorded by E. B. Horst, deputy
Aug. 23, 1922

485 words

Survey Record No. 506.

Survey of a Sec. Line between Secs. 2 & 11 Twp. 140 - 24 N. of 5th P.M.
Cass Co. Minn.

Estimate of excavations & fills on Co. Road for a distance of
46.00 ft. where road turns as will be shown at such stations;
beginning at the S.E. corner said Sec. 2 as zero; thence West on Sec.
line: At 15.00 ft. enter marsh, at 800 ft. culvert, at 11.00 ft. leave marsh.
At 28.30 ft. by Sec. bet. Secs. 2 & 11. At 2800 ft. culvert, drain along S. side
of road to Tq. 25. At 4000 ft. culvert. At 4600 ft. road bears S. 85° W. At 4800 ft.
road bears N. 82° W. At 5131 ft. intersect State Highway No. 83.

Surveyed June 28, 1919.

By James H. Flynn, Co. Surveyor.

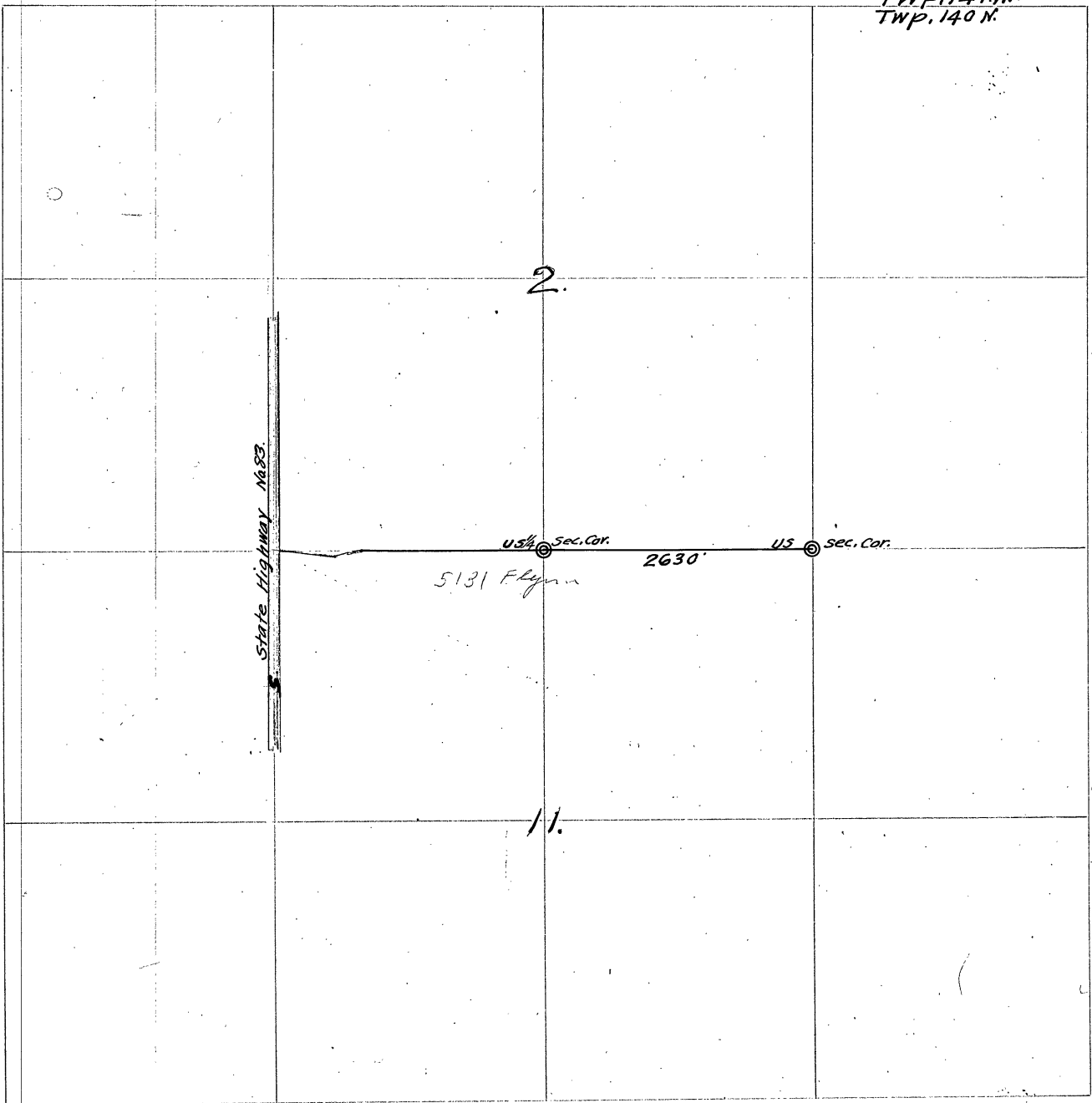
Recorded Sept. 73, 1922

By E. B. Hout, Deputy.

5-00

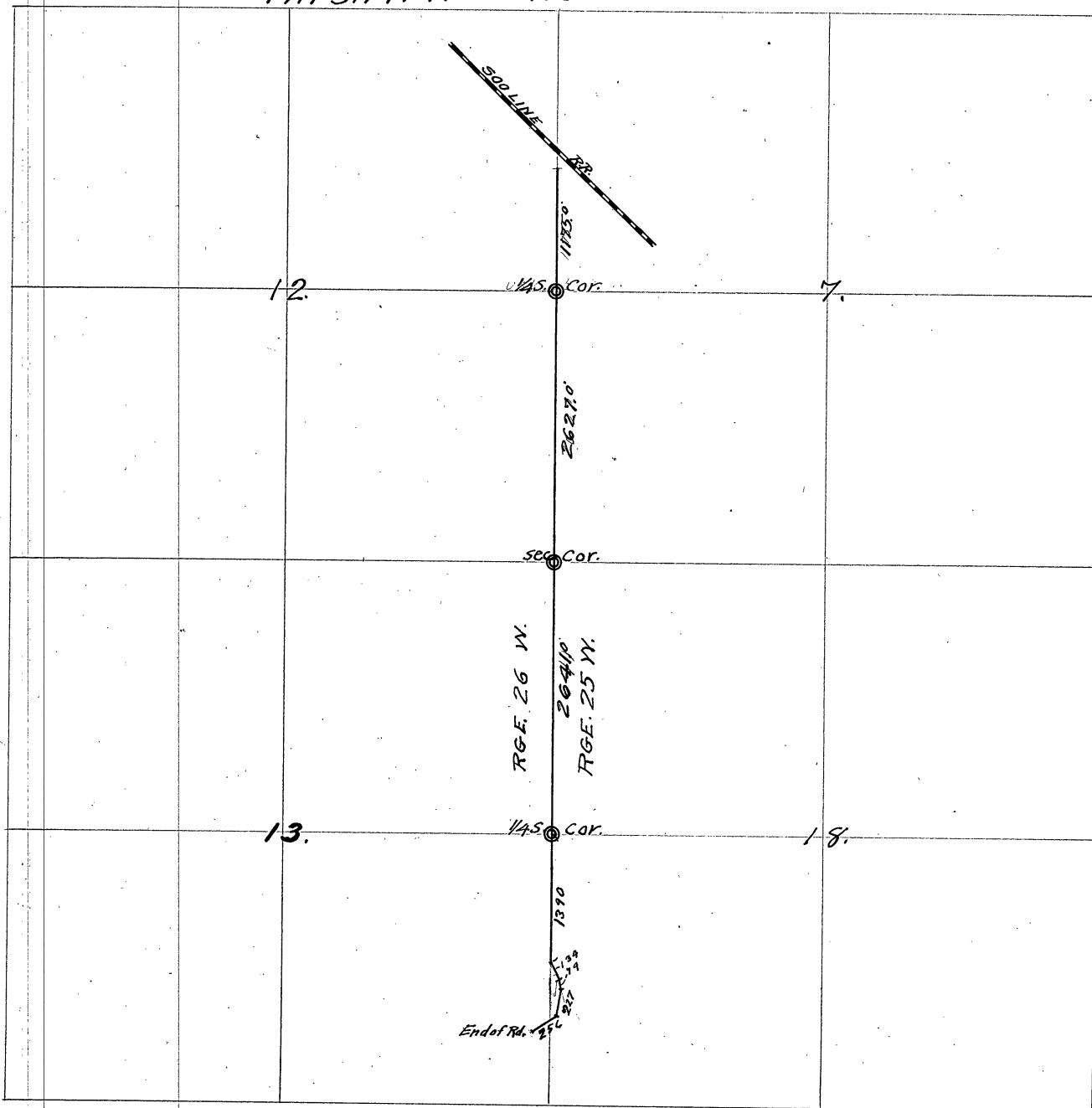
TWP. 140 N. RGE. 26 W.

TWP. 141 N.
TWP. 140 N.



Survey Record No. 507

TWPS. 141 N. RGS. 25 & 26.



Notes 507.

Survey Record No. 507

Field Notes of the Survey of a Road in Twp. 141 N. R. 26 W. 5th P. M.
Cass Co. Minn., running along Range Line.

Beginning at a point 56 ft. S. W. of "100" N. N. right-of-way³²
on said line between Sec. 7 Twp 141-25 and Sec. 13 Twp 141-24
Cass Co. Minn.

By stations of 100 ft. each consecutively. (Var. $9^{\circ}15'$).

Sta. 432 ft. culvert and drain 90 degrees E. 214 ft.

Sta. 1175 ft. $\frac{1}{4}$ S. cov. between secs. 7-12. (Var. $6^{\circ}20'$)

$\frac{1}{4}$ sec. corner was: Pine 7 N. $73^{\circ}W$. 36 lbs. Pine 4 N. $10^{\circ}E$. 16 lbs.
Now is stump of same with original Govt markings
thereon. Did not make new bearings here as there is a proper
fence corner 30 ft. $90^{\circ}E$. Then continued line south along
Range line. At sta. 2500 ft. $\frac{1}{4}$ S. cov. Did not establish
bearings as fence corner is $90^{\circ}E$. 33 ft. At 2874 ft. N. bank
of Willow River, W. side of wooden bridge. At 2896 S. side
of same, which is 3 ft. deep + 22 ft. wide with solid grass
banks, sand bottom. At 3280 ft. culvert + drain W. 72 ft.
At 3802 ft. cov. of sections 12-13 Twp 141-24 and secs. 7-18 Twp 141-
25 aforesaid which was: Cedar 4 N. $47^{\circ}E$. 18 lbs. Cedar 8 S.
 $54^{\circ}E$. 18 lbs. Jam. 10 S. $27^{\circ}W$. 25 lbs. Jam. 5 N. $46^{\circ}W$. 17 lbs.

Now is: Cedar stump 2 ft. high with 13 S. N. $47^{\circ}E$. 18 lbs.

Cedar (stump 7 ft. high all marks) S. $54^{\circ}E$. 18 lbs. Jam.
(stump partly decayed) 10 S. $27^{\circ}W$. 25 lbs. Jam. (stump
partly decayed) 5 N. $46^{\circ}W$. 17 lbs. New bearings to wit:

Black Ash 6 N. $37^{\circ}W$. 34'2" ft. Black Ash 8 S. $42^{\circ}W$. 79 ft.

Black ash (dead) 10 S. $44^{\circ}E$. 40'3". Then continued S. along
said range line between secs. 13-18 (Var. 6°)

At sta. 5123 ft. the $\frac{1}{4}$ sec. corner bet. secs. 13-18. Established
bearings to wit: Jam. 5 S. $89^{\circ}E$. 28'4" ft. Jam. 8 N. $43^{\circ}W$. 55 ft.
At 6175 ft. culvert and drain $90^{\circ}W$. 353 ft. to Willow River.

At Sta. 6443 ft. the $\frac{1}{4}$ S. cov. bet. secs. 13+18 which was:

W. Birch 10 W. 22 lbs. W. Birch 4 S. $10^{\circ}E$. 20 lbs. Now is:

W. Birch (partly decayed stump) with 13 S. $10^{\circ}E$. 20 lbs.

New bearings at $\frac{1}{4}$ S. said sec. 13+18 to wit: Black ash
10 N. $79^{\circ}E$. 26'8" ft. Black ash 10 N. $81^{\circ}W$. 25 ft. Then continued
S. along range line (Var. 6°) From sta. 71 to 78 a gradual

fall of 5 ft. to sta. 75. Then at 7800 ft. culvert beginning

15 ft. E. of road center. At sta. 7800 ft. turn S. $28^{\circ}E$. 134 ft.

At sta. 7967 ft. S. $17^{\circ}E$. 79 ft. At 8026 ft. S. $94^{\circ}W$. 227 ft. At 8253 ft.

S. $55^{\circ}W$. At 8468 ft. E. side of ditch. At 8494 ft. W. side of ditch.

at 8509 ft. on ditch dump end of this road location and survey.

Surveyed June 23-27, 1919.

By J. H. Flynn, Co. Surveyor.

Recorded Sept. 13, 1922.

By E. B. Horst, Deputy.

600

Field Notes of the Survey of a County Road in Twp. 144 N.

R. 31 W. 5th Dr. M. Cass County, Minn.

Sat. Aug. 5th 1922 E. B. Horst and B. M. Beach get notes for survey of a county road thru secs. 20-21-22 etc. S. 144-31. E. B. Horst.

Mon. Aug. 7th 1922 E. B. Horst, B. M. Beach, and Glenn Bacon drive to Portage Lake (N.E. of Williamson) where Beach and Bacon erect a tent and Horst returns to Walker after groceries and survey instruments. We complete setting up camp when Horst returned.

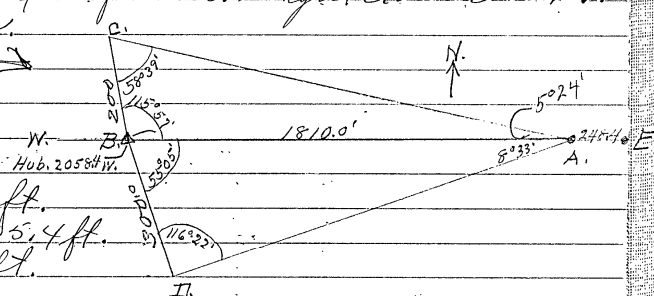
Tues. Aug. 8, 1922. Same crew. We look for M.C. 728 on E. side of Portage Lake and between secs. 21-22, 144-31 which is gone. We look for the 1/4 Sec. Cor. between secs. 21-22 where U.S. notes call for "Birch 8" 788" E. 71 lbs. of Pine 11' 55" W. 45 lbs. which now is a snag badly burned but bearing the scribe marks; Birch rotted to ground from which we set a 3" x 3" x 2.4" maple post for true 1/4 S. corner from which we run due west and random center line as follows: At 248.7 ft. W. set post for S.M.C. on E. side of Lake. Set point over Lake. At 574 ft. waters edge go around S. side of Lake and triangulate as follows: Sight E. over Lake.

Wed. Aug. 9, 1922. Horst and same crew. Triangulate Lake as per diagram and chain line cut Aug. 8. At 2058.7 Hub over lake. At 2077.8 hub on top of Bank. At 2773.7 ft. set hub. A square post sets N. 48 ft. At 3303.3 ft. set hub. At 3661.2 ft. set hub. At 4215.4 ft. set hub. At 4224.5 ft. fence. At 4948 ft. center line road. At 4975 ft. set limb.

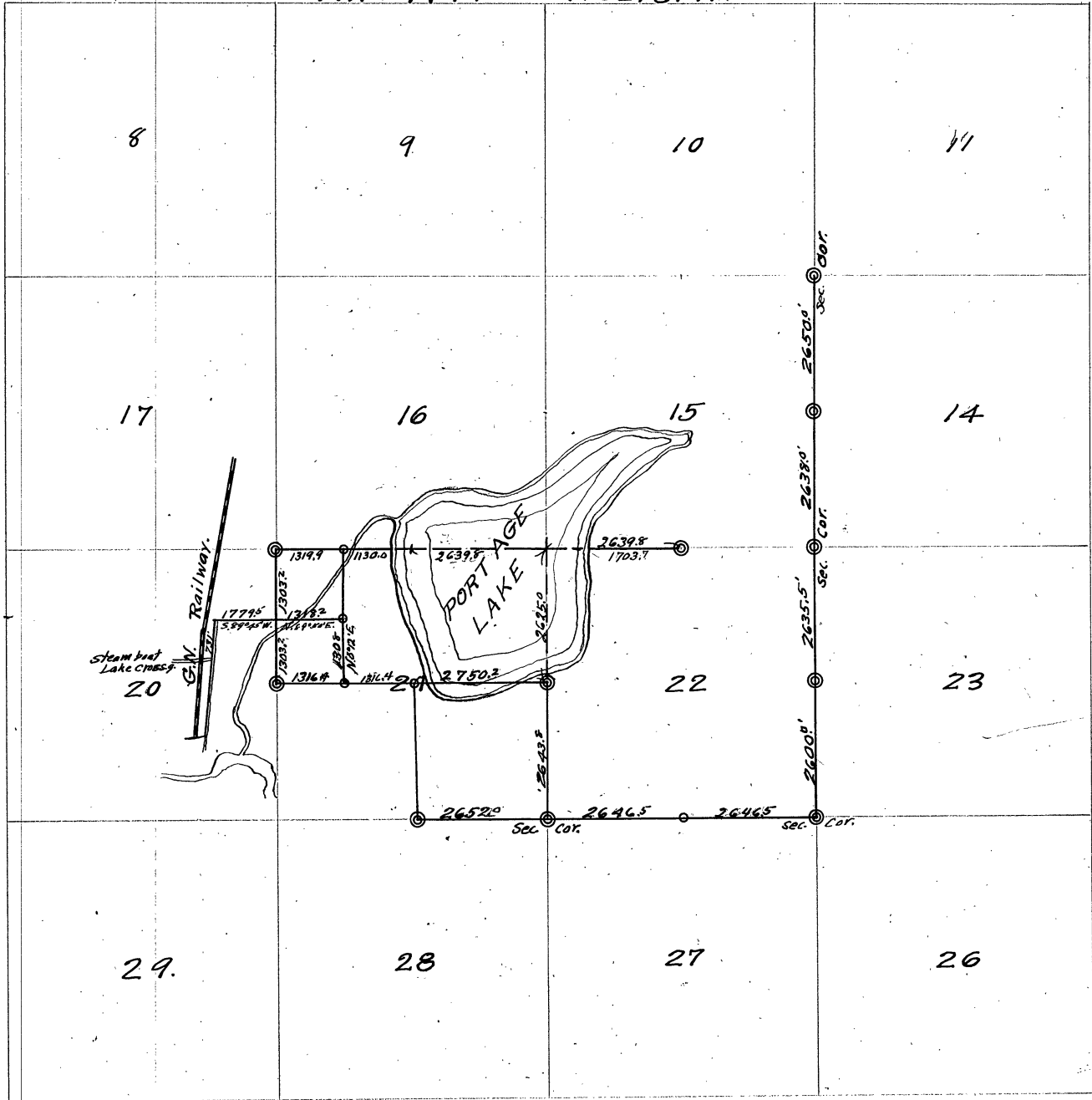
Aug. 10th At 5383.0 ft. fall 70 ft. N of the 1/4 S. corner between secs. 20-21, 144-31. The U.S. B. T. white line S 88° W is now a stump bearing all the marks from which I set a wood post for the true 1/4 S. corner. From hub 5383.0 ft. W. we turn N.E. angle 90° 00' from random line and run North. 1/4 S. corner between secs. 50-21. Staff 0.0 N. At 573.7 ft. set hub. At 1000 ft. enter swamp. At 1095 center creek. At 1400 ft. Leave open meadow, enter heavy brush. At 1703.5 ft. set hub. At 2406.5 ft. the true corner to sec. 16-17-20-21 sets E. 9.5 ft. All U.S. B. T. are present bearing scribe marks plainly. The S.W. B. T. is green.

Fri. Aug. 11, 1922. Horst drives to Cass Lake for supplies in A.M. Beach, Bacon, Hoagland and Kaiser begin at the hub 2606.5 ft. N. on random sec. line between 20-21. Turn angle of 90° and run E. on a random sec. line between 16-21. True corner to sec. 16-17-20-21 is station 0.00 E. At 1100 ft. enter open swamp. At 1370 ft. center of creek. At 1771.3 ft. set hub. At 1980.6 ft. set stake at 2100 ft. leave swamp. Entire line has been thru cedar swamp and bog. At 2354.0 ft. set limb. At 2450 waters edge. On turning the angle for

(continued on Page 66)



TWP. 144 N. RGE. 31 W.



⊙ Located Gov't Corners.
 ○ established corners.

continued
from Page 64

Survey Record No. 508.

a base line, line intersects a big oak tree which would ruin Mr. Hoagland's fence if it were cut so we set a hub at 2320.3 ft. from which I turn angle of 90° and run a base line N. Length of base line = 530.2 ft. Angle is $82^\circ 15'$. Opposite angle is $7^\circ 45'$. Distance = 3895.4 ft. Hub across lake = 4215.7 ft. We continue East. At 4274.4 ft. set hub. Wait for night. E. B. Horst.

Sat. Aug. 13, 1922. Horst, Beach, Bacon, Hoagland and Kaiser continue

E. from hub 4274.4 ft. on random line between secs. 16-22. At 7400 ft. hub at school house sets 7.3' ft. South. At 7475 ft.

center line road. At 7950 ft. hub. (end of line) We look for the 1/4 S. corner between secs. 15-22, 144-31 and find the U.S. B.L. J. P. 7

N 42° W. 15 lbs. still standing green and plainly marked from which we set the true 1/4 S. corner (a wood post) the S.E. bearing

tree is burned out. From hub 7950 ft. E. the true 1/4 S. corner sets S.

$18^\circ 00'$ W. 99.7 ft. At 7919.7 ft. the true 1/4 S. corner sets S. 94.5 ft. New

B. to 1/4 S. Oct. 15-22 J. Pine 8 N. 12° W. 37.8 ft. J. Pine 9 S. $70^\circ 20'$

E. 111.8 ft. Var. $8^\circ 30'$. We then go to the 1/4 S. between sec. 21-22, turn

90° from random center line and run S. on random line between

sec. 21 and 22. At 348.2 ft. set hub. At 392 ft. center line road N.E.

and S.W. At 1084.4 ft. set hub. At 2640 ft. set hub. At the corner to

21-22-27-28 we find the following goat bearing trees: J. Pine 7 N.

50° E. 20 lbs. J. Pine 3 S. 32° E. 40 lbs. J. Pine 3 S. 55° W. 38 lbs. The J. Pine

3 N. 49° W. 80 lbs. is gone. The N.E. and S.W. B.L. are now stumps

showing the B.L. plainly. The S.E. B.L. is still standing green and

plainly marked. We set a 2" x 2" x 4" J. Pine stake at true point for

corner. At 2643.8 ft. true corner to sec. 21-22 27-28 sets 96.4' W.

N.W. angle at random lines at this corner = $89^\circ 40'$. From corner

of sec. 21-22-27-28 we run W. on $8^\circ 30'$ Var. on a random sec. line

between sec. 22-27. J. 144-31. At 316.5 ft. hub on 8" J. Pine stump. At

1546.7 ft. set hub. At 2127.8 ft. set hub. At 2622 ft. W. set hub in

center of road from which true 1/4 S. cor. between sec. 21-28 sets S.

$56^\circ 15'$ W. 53.8 ft. We find U.S. B.L. a J. Pine 9 S. 9° W. 49 lbs. with

all the marks showing plainly. We also find a stake set at true

point for corner. The J. Pine 10 N. 40° W. is down but all the marks

are plainly visible.

Mon. Aug. 14, 1922. We go to the N. 1/4 corner between sec. 20-21. At

1303.2 ft. N. of the 1/4 S. cor. the 1/4 S. corner goes 4.75 ft. East. From

this corner we run S. $89^\circ 45'$ W. on a random N. 1/4 line through sec. 20.

At 998.8 ft. set hub. At 1680.7 ft. set hub on top of cut bank. At 1779.5

ft. set hub in center of S. N. Railroad tracks. I take the outfit and

go to the crossing East of Steamboat Lake where Horst picks me

up and we return to Walker in his car. Ben Beach.

Tues. Aug. 15. All day in Walker getting snags notes and supplies to make up a new camp to take the place of the one that went up in smoke. E. B. Hunt.

Wed. Aug. 16 With new camping outfit. E. B. Hunt, B. M. Beach, Glenn Bacon + Lloyd Kennedy drive to Postage Lake to complete survey of county road.

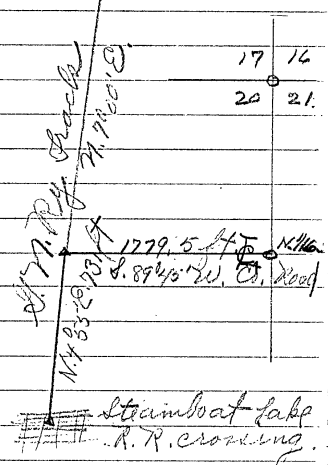
At the center line of sec. 20 + Great Northern railway intersection we make a tie to the Ry. as per diagram to the right.

Thurs. Aug. 17 From hub 72.10. + ft on E. + W. center line of sec. 21 we chain E. 148.8 ft. and S. 5.5 ft. and set point for center west 1/4 S. cor. from which a Popple 12 bears N. 74° W. 37.5 ft.

Popple 10 x 20° E. 37. ft. thence N. 0° 12' E. on W. 1/4 line and center line of county road. At 100 ft N. old road N.E. + S. W. At 1003. ft. N. hub At 1308 ft N. set post for N. W. 1/4 cor. sec. 21.

Fri. Aug. 18, 1922. Same crew. Begin at hub.

2200.7 ft and continue E. on sec. line between sec. 22-27. At 2640 ft. set stake + hub. At 2674 ft. old stake sets 13.0 ft S. we look for U.S. B. S. to the 1/4 S. corner bet sec. 22-27 where Gov't notes call for: Aspen 37.50 lbs. Aspen 37.50 lbs. 50 lbs. But find nothing (new B. S. to 1/4 S. cor. bet 22-27: J. Pine 4 S. E. 40' and stake N. W. (40') At 2780 ft. enter swamp. At 3440 ft. leave swamp. At 3960 ft. set stake. At 4058.4 ft. set hub. At 4292 ft. center line of old road. At 4760 ft. enter swamp. At 5293.0 ft. hub from which true cor. of sec. 22-23-24-27 sets 234 ft. S. (In swamp). At cor. to sec. 23-23-26-27 we find the U.S. B. S. as follows: J. Pine 10 x 71° W. 290 ft. (now a stump). N. Pine 30 x 260 (standing green) from which we set a stake at true point for corner. Thence we run N. 1° 05' E. on random line bet sec. 23-23 N. W. angle of random lines = 91° 15' at 50 ft. N. leave swamp. At 191.0 ft. N. set hub on 8 in. popple stump. At 552.5 ft. set hub. At 1085 ft. enter swamp. At 1320 ft. leave swamp and set stake for temp. 1/4 S. cor. At 1485 ft. enter swamp. At 1570 ft. leave swamp. At 2070 ft. N. set hub. At 2602 ft. set hub. We look for U.S. B. S. to the 1/4 S. cor. between sec. 22-23 where Gov't notes call for: W. Pine 7 N. 77° W. 90 lbs. N. Pine 16 x 87° E. 90 lbs. We find the N. Pine which is now a 4 ft. stump, bearing all the scribe marks. From hub 2602 ft. true 1/4 S. corner sets S. 87° 15' W. 40.8 ft. From true 1/4 S. cor. we run N. (80° 30' Var.) At 230 ft. enter swamp. At 550.0 ft. set hub, leave swamp. At 1130 ft. set hub. At 1320 ft. set stake. At 1461 ft. center line old road N. W. and S. E. At 1977 ft. center line old road N. W. + S. E. At 1900 ft. set



650 rods.

Survey Record No. 508

hub. At 5600 ft set hub from which true corner to secs. 14-15-22-23 sec N. $44^{\circ} 32' W$. 89.0 ft.
 Sat. Aug 19, 1922 Camp crew from the corner to secs. 14-10-22-23 we run N. (Mag. decl $8^{\circ} 30'$) New B.T.s bearings only: J. Pin 12" N. $38^{\circ} 40' E$. J. Pin 12" N. $72^{\circ} 30' W$. At 590 ft. N. enter swamp. At 690 ft. leave swamp. At 800 ft. set hub. At 1200 ft. enter swamp. At 1320 ft. set stake. At 1330 ft. leave swamp. At 1507.3 ft. set hub. At 1560 ft. enter swamp. At 2150 ft. leave swamp. At 2438 ft. true point for $1/4$ s. cor between secs. 14-15-22-23 E. 14 ft. We find the stumps of both N. & B.T.s from which we set stake for true $1/4$ s. corner from which new trees bear: J. Pin 5" N. $48^{\circ} 20' E$. 37.1 ft. J. Pin 4" N. $43^{\circ} 20' W$. 53.6 ft. From $1/4$ s. corner thence N. between secs. 14-15. At 386 ft. centering old road (Cass Lake and Steamboat Landing road) E. & W. At 924.5 ft. set hub. At 2034 ft. set hub. At 2650 ft. the established cor to secs. 10-11-14-15 sec W. 58 ft. We correct line back and set road centers on true lines S. 2 miles and W. 1 mile then N. $1/2$ mile. Correction for N. $1/2$ bet. 14-15 = 0.219. Correction for S. $1/2$ bet. 14-15 = 0.0407. Correction for N. $1/2$ bet. 22-23 = 0.31226. Correction for S. $1/2$ bet. 22-23 = 0.1547. Thence from c. $1/4$ s. south on $1/2$ sec. line 400 ft. thence S. $82^{\circ} 15' E$. 845 ft. Thence 1478 ft. E. to sec. line. We return to Walker. E. B. Horst.

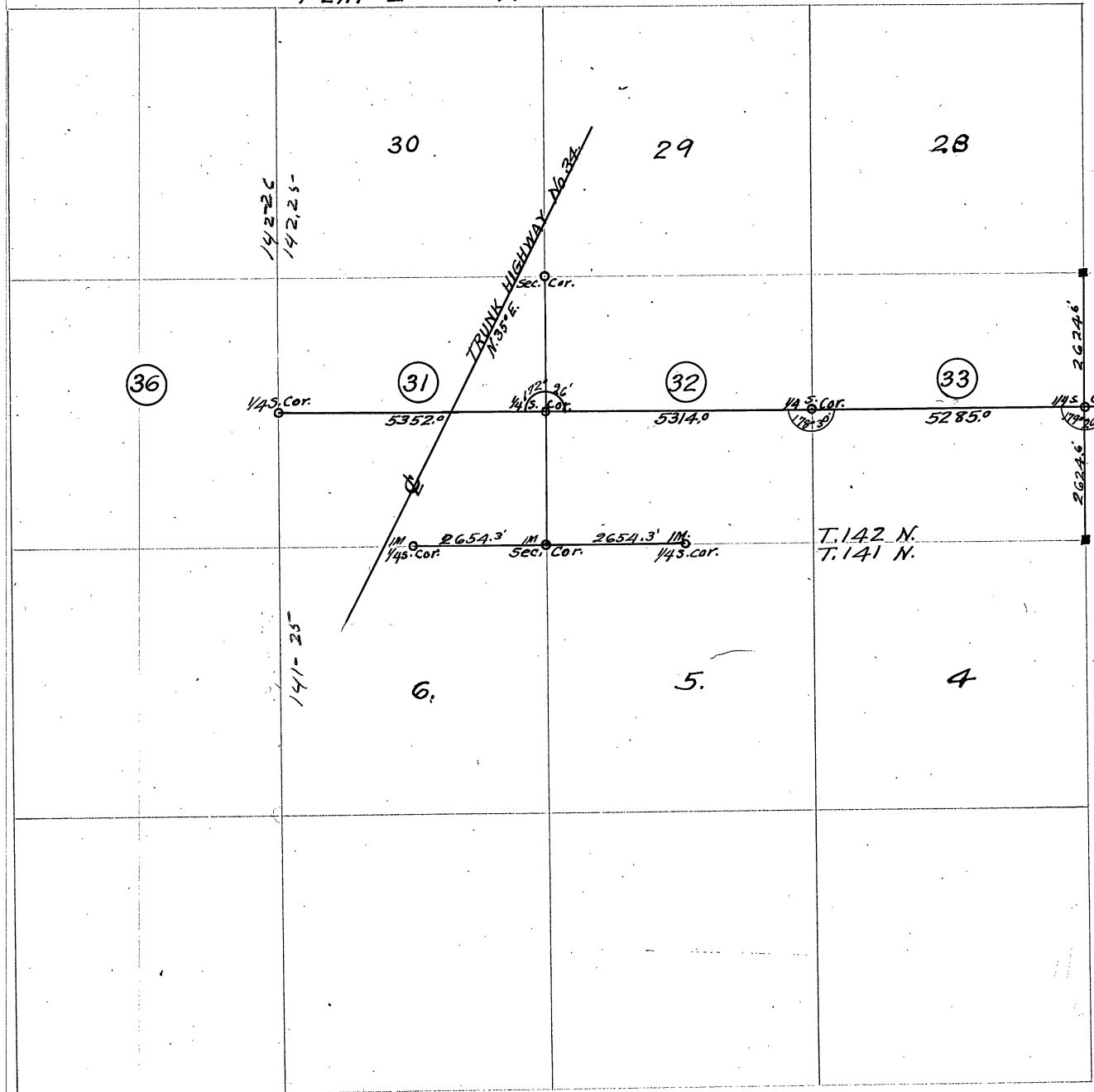
(F. B. 186.)

Surveyed and Recorded by E. B. Horst, Deputy

338

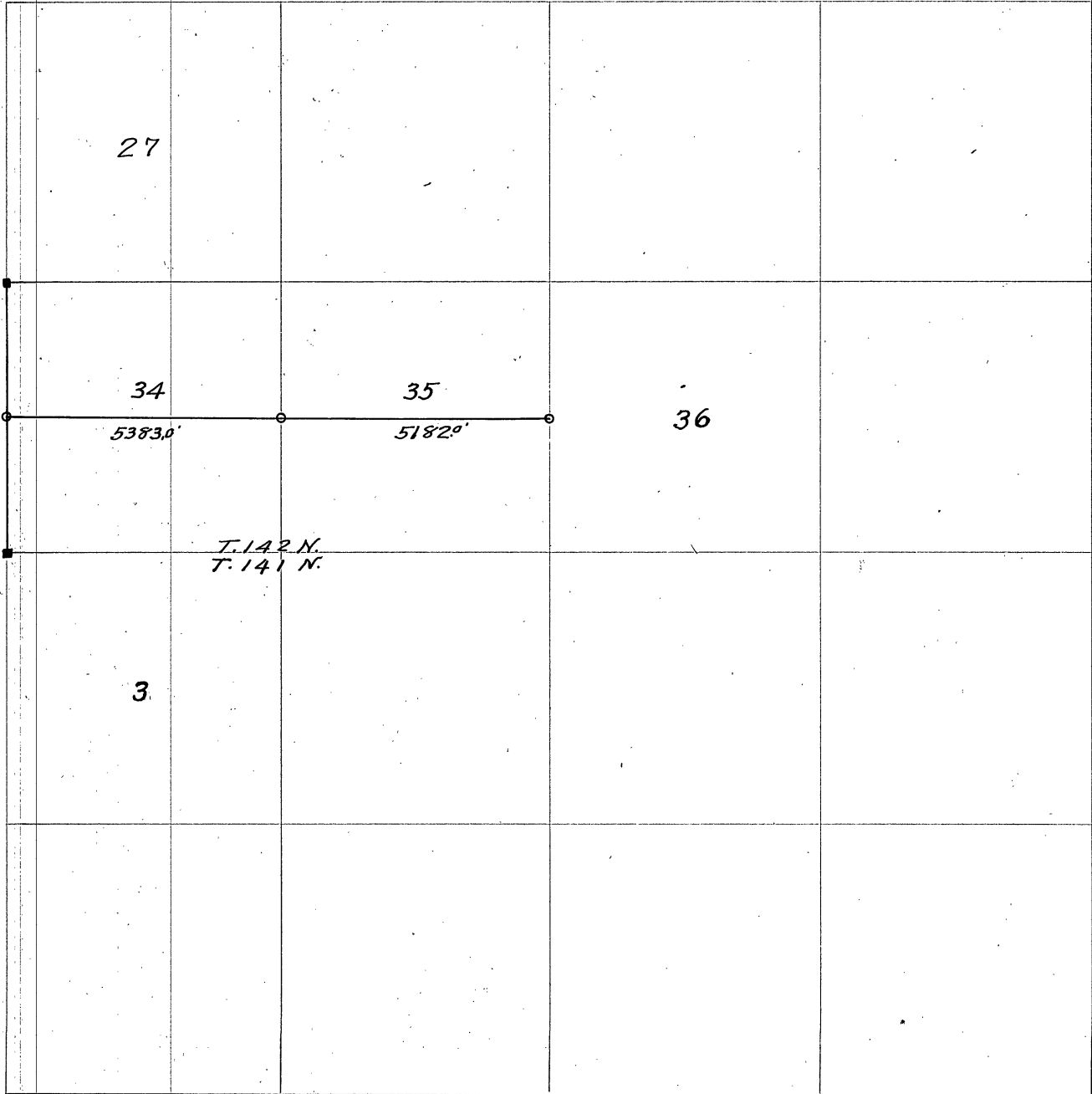
Surveyed Aug 7th to 19th, 1922 by E. B. Horst

PLAT 1 - TWPS. 141-142 N. RGE. 25.



Survey Record No. 509.
PLAT 2.

TWPS 141-142 N. RGE. 25.



27

34

5383.0'

35

5182.0'

36

T. 142 N.
T. 141 N.

3

Field Notes of the Survey of County Road on the 1/4 S. line of sections 31, 32, 33, 34 and 35 S. 14 E. 25 T. unorganized Cass Co., Minn. July 27, 1922. Knowing that the west quarter-post and the S. W. cor. of said sec. 32 were obliterated, I went to the S. 1/4 cor. of sec. 31 which was: (1) White Pine 24 N. 84 W. 11 lbs. (2) White Pine 20 lbs. Now is: White pine stump 13' 20" ft. which with B.T. on the other W. Pine is badly burned; put down and anchored I.M. to wit: flue pipe 1 1/2" x 44" 13' 20" north of this B.T. and ran random line easterly, at 2440 ft. made diligent and exhaustive search for the S.E. corner of said sec. 31, which was: (1) Maple 47 N. 81° 20' 12 lbs. (2) Maple 48 S. 89° E 6 lbs. (3) Fir 57 N. 50° E 38 lbs. (4) Aspen 17 S. 74° W 84 lbs. Not finding any evidence of the corner, continued line on East. At 5288 ft. set hub. Then N. 32 E. 26' 3" ft. to 1/4 S. for said section 32 which was: - Dry Tamarac 7 N. 63° E. 23 lbs. Dry Tamarac 7 N. 84° W. 37 lbs. Now is: Stubs of same one down N.E. put down and anchored I.M. to wit: flue pipe 1 1/2" x 44" then marked or scribed Aspen 12 S. 52 ft. for bearing tree for this 1/4 post. Then returned to the 2440 ft. stake and at a point 14' 3" E. and 8 ft. N. of said random line put down cement I.M.; but when I attempted to stamp, the section numbers on a steel plate on top of this monument, the cement crumbled and fell off, however, I made the following bearing trees for this corner: Aspen 4 S. 4' 4" ft. Aspen 7 S. 15° 20' 4 ft. From this cor. random line N. 2 W. at 2440 ft. temp. post. 5280 ft. hub. then south 70° W. 47 ft. to corner of secs. 29, 30, 31 and 32. which was: - Fir 8 N. 65° E. 23 lbs. Fir 8 S. 40° E. 8 lbs. Fir 8 N. 60° W. 20 lbs. Aspen 14 S. 40° W. 11 lbs. Now is: Fir 8 N. 55° E. 15' 78". This Fir is down and partly burned, but the B.T. and some of the other evidence of its being the original witness tree is reasonably visible, the same is a stump of the Fir 8 S. 40° E. 8 lbs. This tree is burned off close to the ground & up for some 4 ft. but it is evidently the tree required; the Aspen is down partly burned and felled toward the N.E. so we put down another cement monument with the same results as the former, for this spindle marked Aspen 5 N. 78° E. 37' 5" for witness. Then returned to the 2440 ft. on this random line and at a point 8 ft. south on said line and 22 ft. W. at right angles 90° put down flue pipe 1 1/2" x 44" for 1/4 cor. to secs. 31 & 32 then marked as witness trees the same to wit: Aspen 6 S. 70° W. 48'. Aspen 6 N. 20° E. 30' 5". Then random line E. Var. 5° At 1320 ft. temp. 1/4 stake. At 2670 ft. temp. 1/4 stake. At 3960 ft. temp. 1/4 stake. At 5160 ft. top of hill set a hub. then N. 54° E. 185 ft. to the 1/4 S. post for sec. 32 & 33 which was: Tamarac 8 N. 4 E. 12 lbs. Tamarac 10 S. 30° W. 26 lbs.

Survey Record No. 509.

now is stumps of the same with B.S. on each. Put down wooden post accordingly and ran line south. At 2440 set temp. $\frac{1}{4}$ post. At 5280 ft hub then $N 31.15^{\circ} E 38$ ft to S.E. cor. sec. 33 which was: Birch 12 $N 70^{\circ} E 50$ lbs. Birch 12 $N 32^{\circ} W 12$ lbs. Fir 8 $S 77^{\circ} W 28$ lbs. Cedar 6 $S 3^{\circ} E 8$ lbs. Now is: Cedar 8 $S 8^{\circ} E 5' 25"$ (down) with original markings very plain. Set wooden post from this B.S. and returned to temp. Stake 2440 ft and at a point 15 ft north and 9 ft east put down a flue pipe $1\frac{1}{2}'' \times 44''$ for $\frac{1}{4}$ post. No objects near for new bearings. At 5280 ft from W. $\frac{1}{4}$ S. 33, said random line to E. $\frac{1}{4}$ S. is South $1.15^{\circ} E 159.7$ ft. making a distance from E to W. $\frac{1}{4}$ posts 5280 ft and 1 degree 50 min for correction.

Aug. 10. From W. $\frac{1}{4}$ sec. cor. of sec. 34 random line runs easterly. At 528 ft set a hub. Then South $51.15^{\circ} E 131$ ft to $\frac{1}{4}$ S. 34-35 which was: Cedar 8 $N 86^{\circ} W 15$ lbs. Cedar 4 $N 89^{\circ} E 8$ lbs. Now is same. Put down flue pipe $1\frac{1}{2}'' \times 44''$ for $\frac{1}{4}$ S. post. New bearings as follows: Cedar 10 ft long and 7" diameter sunk in ground 2 ft $N 8^{\circ} W 20$ ft. Cedar 10 ft long and 10 in diam sunk in ground 2 ft. $S 14^{\circ} E 20$ ft. Distance from W. $\frac{1}{4}$ post said sec. 34 to this point is 5383 ft. and Cor. $0^{\circ} 53'$.

Aug. 11. Went to aforesaid $\frac{1}{4}$ post for sections 31-32 said town and turned 1° and $1'$ to left (north) of random line for true E. + W. $\frac{1}{4}$ line sec. 32. Put stations every 100 ft. said $\frac{1}{4}$ post is 0, station 720 wagon road N + S. Closed on E. $\frac{1}{4}$ post sec. 32 at 5314 ft.

Aug. 14. Beginning at this $\frac{1}{4}$ post and turning off $1^{\circ} 50' S$ or to the right of random line for true $\frac{1}{4}$ line E and W. said sec. 33.

At 5285 ft. closed on E. $\frac{1}{4}$ post. or at 10599 ft.

August 16. Beginning at the $\frac{1}{4}$ sec. cor. of 33 + 34. set to right (South) $0^{\circ} 52'$ for true E + W. $\frac{1}{4}$ line sec. 34. At 5483 ft. closed on E. $\frac{1}{4}$ S. 34-35. Sta. 15980 ft.

Aug. 18. Random line easterly thru sec. 35. Aug. 17. At 4887 ft. set hub then $N 75^{\circ} E 30$ ft. to $\frac{1}{4}$ S. for sec. 35 + 36.

Which was: Cedar 6 $N 35^{\circ} E 9$ lbs. Cedar 4 $N 80^{\circ} W 8$ lbs.

Now is stumps of same with B.S. on. In 1913 I put in wooden stake for $\frac{1}{4}$ cor. for this point, the same is in place now. I put down new cor.: Flue pipe $1\frac{1}{2}'' \times 44''$. Made a new bearing. White Pine stump 18 $N 21^{\circ} E 18$ ft. Then went back to W. $\frac{1}{4}$ cor. and turned 36 min. N. (left) of random line for true E + W. $\frac{1}{4}$ line sec. 35. At station 16032 ft. S. branch of Willow River 12 ft. wide bears $N 12^{\circ} E$. At 5182 ft. closed on E. $\frac{1}{4}$ S. 35. Station 21164 ft. + E. end of this road location. For the present, and until

such time as the Babcock Highway is in operation this road will be constructed only from Sta. 720 ft. E. in order to let some settlers in sections 35 and 34 have an outlet.

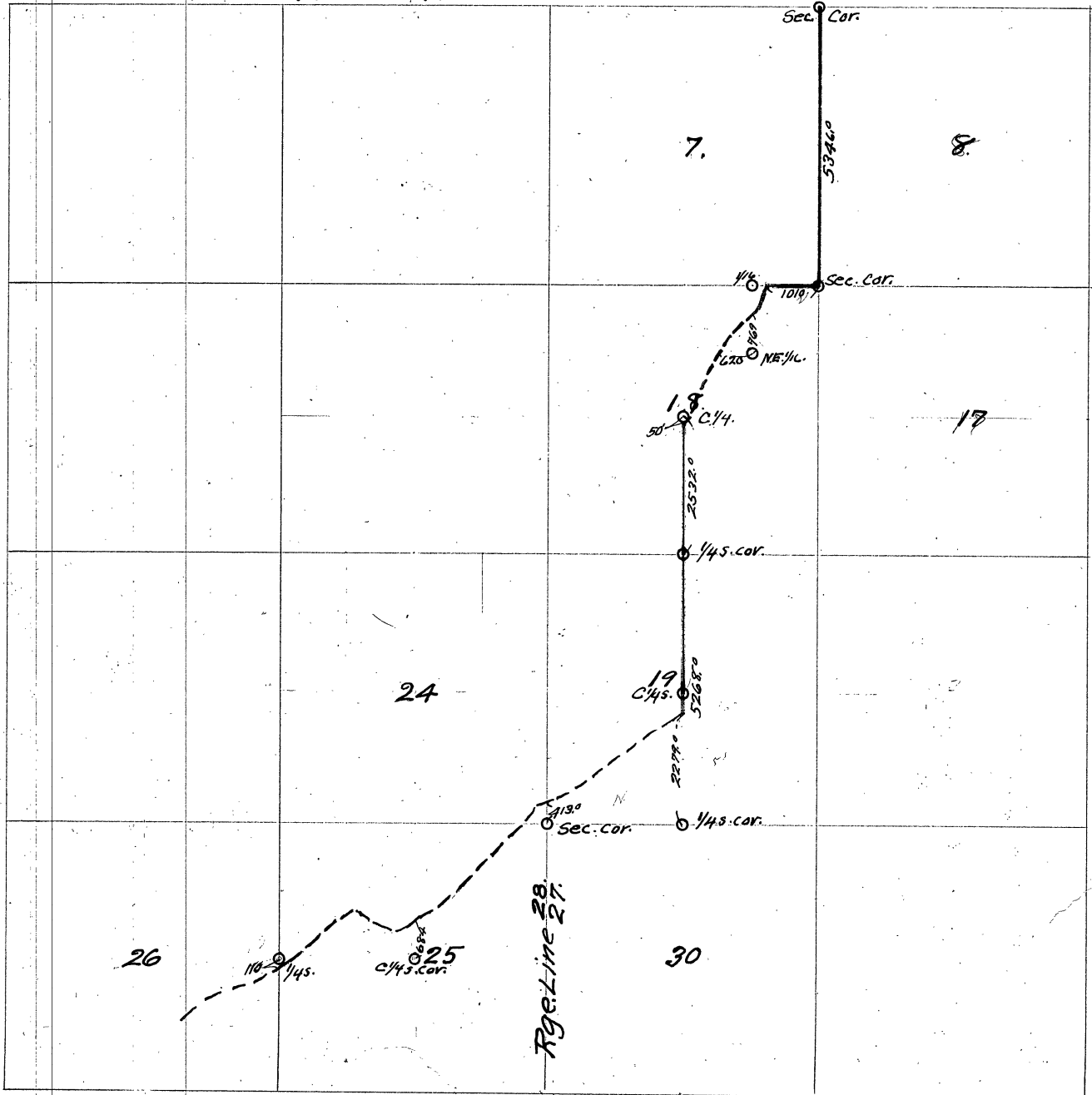
Sept. 1, 1922. Beginning at the aforesaid $\frac{1}{4}$ post of sec. 31-32 random line westerly. At 1500 ft. Willow River runs S. 32 ft. in width. At 3452 ft. set hub. Then N. 30° West 400 ft. (to go around lake) Then west 1500 ft. Then S. 30° West 400 ft. to a point 5052^{ft.} W. of said East $\frac{1}{4}$ post sec. 31 then west 300 ft. Then N. 40° W. 70 ft. to $\frac{1}{4}$ S. (west) for sec. 31 which I located from original bearings in 1917. On the subdivision of sec. 36 T. 142-26 to wit: Samaras 4 N. 65° W. 35' 4", S. 7. N. 86° E. 73' 5". The $\frac{1}{4}$ cor. being 5362 ft. N. and 45 ft. W. means 0° 34' for correction. Then returned to East $\frac{1}{4}$ post. Turned 34' N. of random line for trussing then by station. I made this point 0 for both locations. Sta. 15 Willow River runs south. Station 23+47 said Babcock highway survey No. 34 bears N. 35° E., marked pine stumps 36 N. 65° E. 16 ft. for reference each station herein mentioned is 100 ft. the first set off at 3452 ft. on random line W. of E. $\frac{1}{4}$ S. 31 should read N. 30° W. I have written West therein with ink. Survey began July 27, 1922 and ended Sept. 4, 1922. Twelve and one-half miles, including preliminary lines and said road location were run during this period. Total cost \$34.85.

Surveyed by J. H. Flynn, Co. Sur.

Recorded by E. B. Hout, Sept. 29, 1922.
Deputy.

Survey Record No. 510

TWPS. 141 N. RGS. 27-28.



● Iron Monuments at established corners.

Report of the survey, location and other work leading to the determination of a road known as the Rimer-Longville Road, the same being a continuation of State Rural Highway No. 13, now constructed from Pine River to Longville, Cass county, Minn.

As the said County appears to have no available funds the two towns, Kezo and Inguadona, in said county held a joint meeting in May, 1922 at Longville and at this meeting said towns being represented by a full board thereof, ordered a survey of this road to begin at Longville and then in a north easterly direction - the shortest practicable route to Babcock road No. 34 survey or location on the north lines of sections 7 and 8 said Town of Inguadona. In establishing this road I recognized the iron monuments placed by a recent Govt survey of Indian Lands in this vicinity and wherever "corners" or "Quarter post" or "M.C." are mentioned in this report, will mean the monuments placed by that survey. Therefore on June 27, 1922 with J. E. Lewis, Thos. Hermer, Bill Kamrath, Cliff Kerb, Cor. Phelan & Kirk Thomas, also grub, camp outfit and surveying tools, Patched tents on Lot 2 sec. 18 T. 141-27 Town of Inguadona, and beginning at the centre of said section 18 designated by an iron monument located by the Govt south quarter post 25-32 ft., then south along the N. & S. line section 19, 5-26.8 ft to quarter post for said 19 and 30 and after examination found that it was impracticable to proceed further south we traversed or looked over & along the Range line from the shore of Long Lake (M.C. sec. 18-13) south to the west 1/4 post, sec. 30-141-27 and finding that the only feasible point to cross said range line was 41.3 ft. north of the S.W. corner of sec. 19, 141-27 then we established the road from this point to a point 300 ft. south of the center of sec. 19 as established (see angle of said section at S.W. corner on back of this sheet also at center of sec. 18. Then from range line located this road thru to a point 2,508 ft. North on road leading from Longville and southerly end. Then along the road leading north easterly from Longville, and at a distance of 2,508 ft. from the end of said State Highway No. 13, the first course is N. 43° E. 1750 ft. designating this as station 1750 ft. Then: Sta. 1750 N. 41° E. Sta. 2040 N. 80° E. 3433 ft. S. 56° E. Sta. 45-82 N. 87° E. 1115 ft. North of S. 4. cov. sec. 26 T. 141-28. At 5684 N. 87° E. At 6954 ft. N. 52° E. Sta. 6996 N. 70° E. At 7243 N. 22° E. At 7529 ft. N. 42° E. At 7753 E. At 8039 N. 83 sec. line 25-26, 110 ft. south of quarter post. At 8311 ft. N. 52° E. At 8543 ft. N. 77° E. At 8640 ft. East. At 8833 ft. N. 73° E. At 9020 ft. N. 45° E. At 9292 ft. N. 37° E. At 95-72 ft. N. 45° E. At 10100 Forten Lake 250 ft. south. At 10213 ft. N. 75° E. At 10454 ft. N. 44° E. At 10631 ft. N. 88° E. Centre line sec. 25, 684 ft. south. At 10762 ft. N. 12°

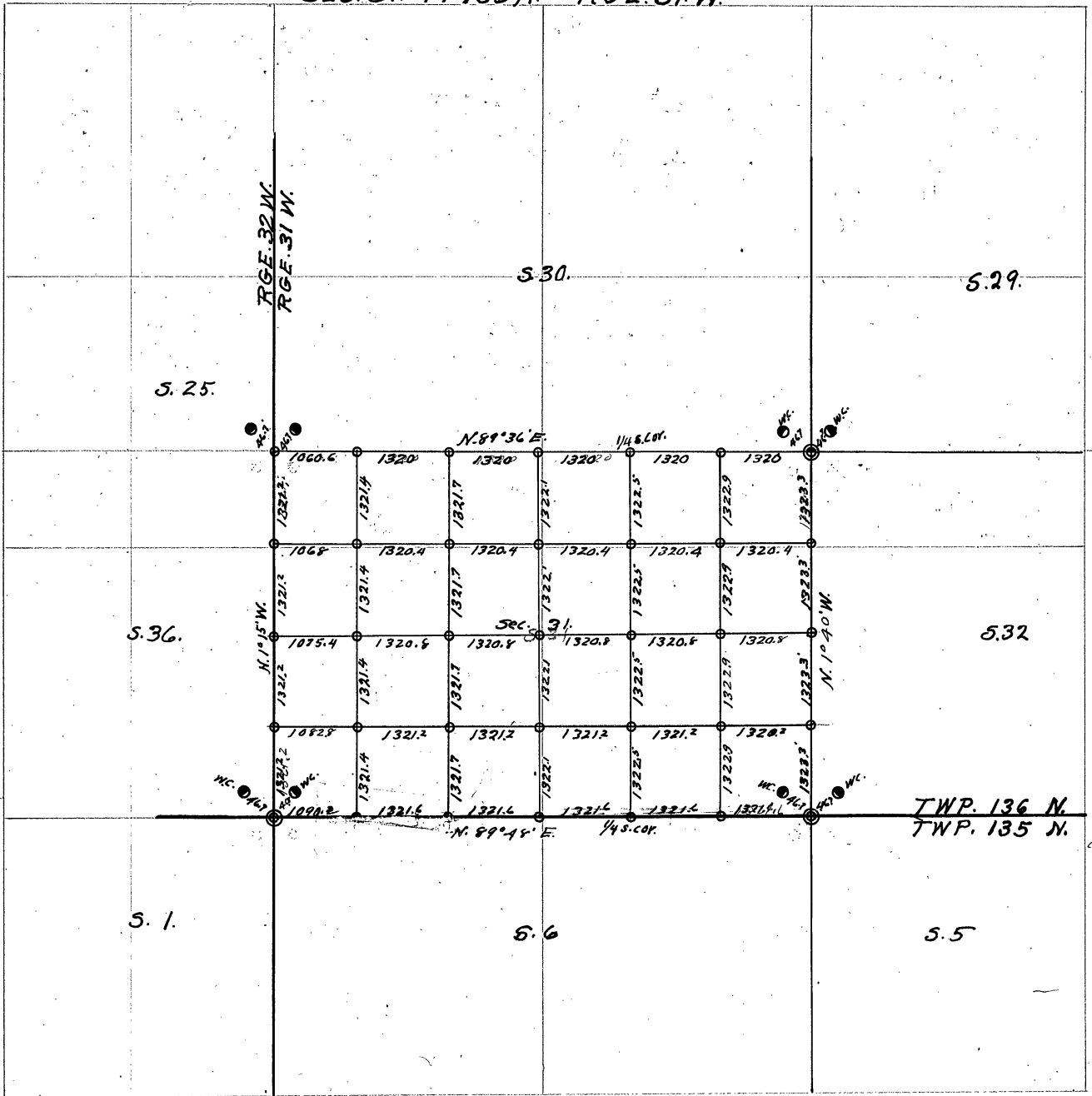
Sta. 110 88 ft. N. 43° E. Sta. 111 54 ft. N. 11° E. Sta. 115 71 ft. N. 40° E.
 Sta. 119 00 ft. telephone line and bld. wagon road. At 121 31 ft. N. 68° E.
 Sta. 125 70 ft. N. 71° E. Sta. 125 89 ft. N. 80° E. Sta. 124 93 ft. N. 66° E.
 Sta. 135 00 ft. N. 44° E. Sta. 139 03 ft. N. 31 ft. E. N. 140 04 ft. N. 12° E.
 Sta. 142 72 ft. N. 52° E. Sta. 144 64 ft. 80° E. Sta. 150 93 ft. N. 34° E.
 Sta. 152 34 ft. N. 51° E. Sta. 153 29 ft. N. 67° E. Sta. 157 19 ft. N. 74° E. Sta.
 146 04 ft. N. 45° E. Range line 413 ft. N. of S. W. cor. sec. 19, 141-27.
 Sta. 170 69 ft. N. 77° E. Sta. 172 41 ft. N. 88° E. Sta. 175 67 ft. S. 80° E. Sta. 182 42
 N. 83° E. Sta. 184 78 ft. N. 61° E. At 188 73 ft. N. 73° E. Sta. 192 60 ft.
 Intersect N. + S. 1/4 line section 19, 141-27, 22 79 ft. N. of S. 1/4 corner.
 then along N. + S. 1/4 line sec. 18, 141-27 to center (25 82 ft.) in sec. 18.
 Sta. 24 735 ft. N. 26° E. leave 1/4 line 50 ft. S. of center sec. 18. At
 24 920 ft. N. 32 ft. E. At 25 528 ft. N. 28° E. At 26 223 ft. E + W 1/4 line
 620' west of corner. At 26 630 ft. N. 32° E. At 27 007 ft. N. 45° E. 1/4 line
 769' N. to corner at 27 771 ft. S. 59° E. along county road to sec. corner
 17, 18, 7 and 8 - 141-27 (Anquadonna) 10 10 ft. then Sta. 28 781 ft.
 said section corner for c. 17, 18, 7 + 8 then North along section
 line between said sections 7 and 8, 5346 ft. to corner for
 5, 6, 7 and 8 at which point intersect Babcock No. 34. At sta.
 340 83 ft. 4 miles 3, 403 ft. including 1, 010 ft. of county road
 now constructed on sec. line between sections 7-18. Survey
 began June 27, 1922 and ended July 17, 1922.

J. H. Flynn,
 County Surveyor.

Recorded Dec. 5, 1922

By E. B. Horst Deputy.

SEC. 31. T. 136 N. RGE. 31 W.



Survey Record No.

511

notes

D

Field Notes of a Survey of Section 31 S 136 N 31

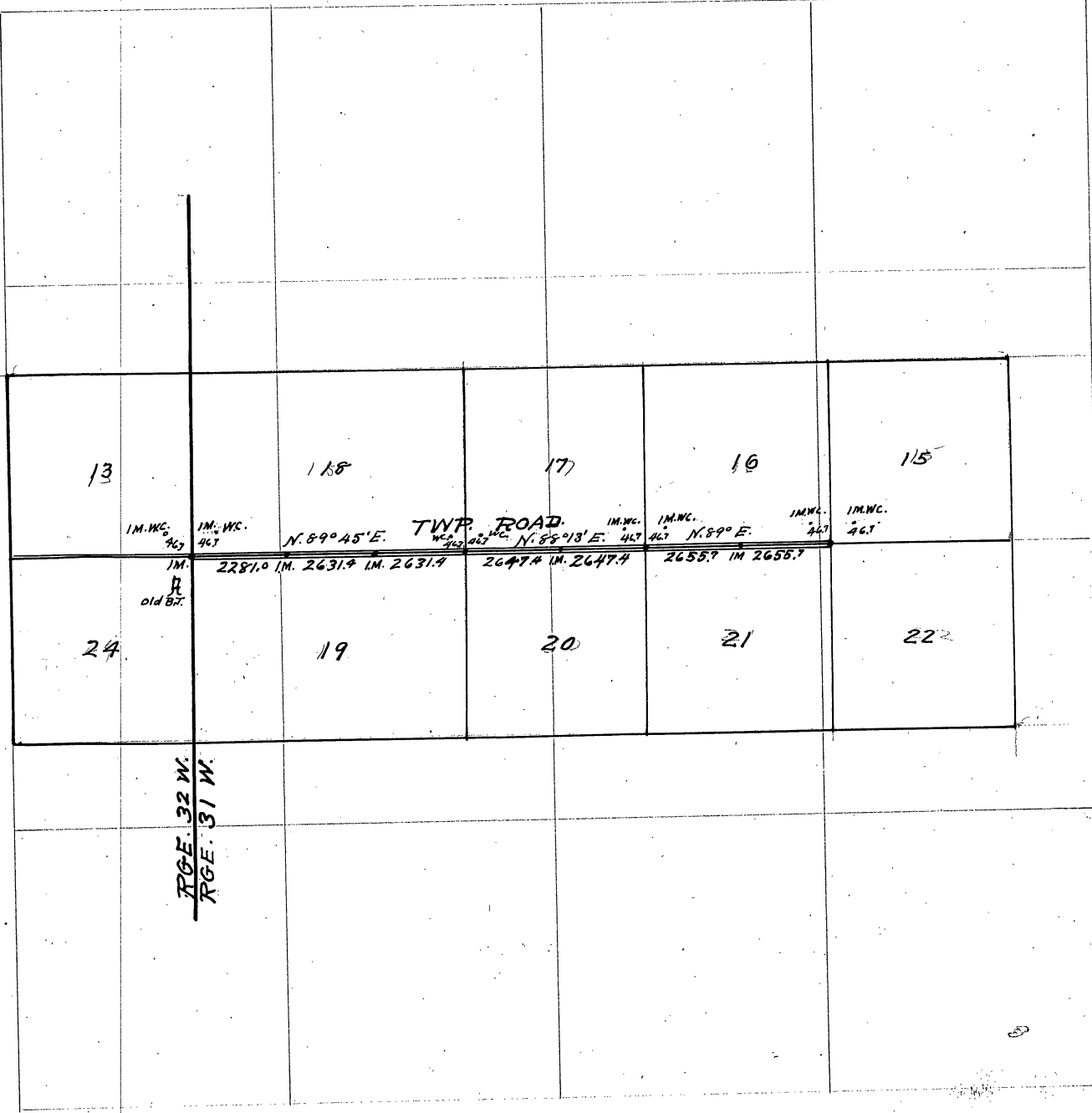
- May 10 + 14, 1922 E. B. Horst and B. M. Beach, copy field notes of Moose Lake Sup. for subdivision of sec. 31 (also part of 135-31 + 135 + 136 - 32). Copy Baldwin's Survey. E. B. Horst.
- May 23, 1922 E. B. Horst + B. M. Beach in Horst's Ford Drive to sec. 31 via Backus but have car trouble and stay in Backus overnight resume journey tomorrow. E. B. Horst.
- May 24, 1922 E. B. Horst, Transit, B. M. Beach, chain, Geo. Pettengill are commencing at the S.W. corner of sec. 31-136-31 which is a stone in the center of a county road we chain N. 1°15' W. on road center 1321.2 ft. & set hub thence N. 1321.3' and set temp. 1/4 S. cor. thence N. 1321.2' ft. set temp. N. 1/6 cor. thence N. 1321.2' to sec. corner in center of Co. road which we locate from B. M. marked by Baldwin when he surveyed this road. Turn N. 89°30' E. & end run E. of sec. 30 + 31. At 5680.0' E. cross fence 871.9 ft. hub. At 1060.62' set hub for temp. fractional W. 1/6 corner. At 116.0' enter swp. At 2380.62' set temp. fractional 1/4 S. corner. At 2000' leave swamp.
- May 25, 1922 At 3104.32' E. hub. At 3700.62' ft. E. set temp. fractional 1/6 S. cor. 4732.4' hub. 5020.62' set temp. 1/4 S. corner. 6113.4' ft. hub. At 4340.62' set temp. E. 1/6 S. corner. At 4460.62' ft. set temp. sec. corner to sec. 29-30-31-32 and look for B. M. but find nothing. From hub at 7660.62' E. Turn S. 1°42' W. and run S on sec. line bet sec. 31 + 32 At 1320.0' ft. set hub for temp. N. 1/6 S. cor. At 1500' swamp. At 2640' S. set take for temp. 1/4 S. cor. bet. sec. 31 and 32. No. B. M. At 2800' leave swamp.
- May 26, 1922 E. B. Horst, transit. B. M. Beach, Geo. Pettengill, chainmen. Vilas Drake & C. Granger, axemen. We continue S. from 2640' bet. sec. 31 + 32. At 2796.5' S. hub. At 3355.0' ft. S. hub. At 3960.0' S. hub for temp. S. 1/6 S. cor. At 5307.0' S. hub in center of road. True corner to sec. 5-6-31-32 sets 186.0' E. which we locate from two popple bearing trees marked by H. F. Baldwin in 1916. Beginning at the established corner of sec. 5-6-31-32 we run S 89°45' W. on the township line between sec. 4 + 31. Sec. cor. 5-6-31-32 70.00' W. At 100' W. enter swamps. At 186.0' W. interest of random E. sec. line of sec. 31. I read N. W. angle which is 88°37' W. At 1100' W. leave swamp. At 1321.4' W. set temp. E. 1/6 S. cor. At 1444.3' W. hub about 25' N. of Mrs. Presler's fence. At 2643.2' W. set temp. 1/4 S. cor. At 2937.3' set hub. At 3682.7' set hub. At 3700.0' ft. enter swamp. At 3964.8' set temp. 1/4 S. cor. At 4280.0' ft. leave swp. At 4433.2' ft. set hub. At 4700.0' set hub. At 5078.0' set hub. At 5286.4' set temp. fractional 1/4 cor. At 5563.1' set hub. At 5718.4' hub enter swamp. At 771.6' hub leave swamp. At 7698.0' true sec. cor. to sec. 1-6-31-36 sets 8.0' S.
- May 27, 1922 Beach & Pettengill, rechain N. line of sec. 31. At 871.9 ft. E. hub. At 1040.0' E. temp. fractional 1/6 S. cor. At 1160' enter swp. At 2380.9' ft. E. Temp. fractional 1/4 S. corner. At 2500' ft. E. leave swp. At 2004.5' E. hub. At 3500.6' temp. fractional 1/6 S. cor. At 4533.2' ft. E. hub. At 4821.2' ft. E. temp. 1/4 S. cor. At 5913.4' E. hub. At 6141.3' E. temp. E. 1/6 S. corner. At 6500' ft. enter swp. At 7352' ft. leave swp. At 7462.5' ft. set

5-11 notes

temp. sec. corner which is 1.5' W + 13.8' N of old stake + old fence corner. At 7442.12 ft true corner to sections 29-30 31-32 sets 13.8'

D

TWP. 136 N. RGE. 31 W.



13

14

17

16

15

1M.WC. 263
1M.WC. 263

N. 89° 45' E.

TWP. ROAD.

1M.WC. 263

1M.WC. 263

1M.WC. 263
1M.WC. 263

1M.
R
old 87.

2281.0 1M. 2631.4 1M. 2631.4 2647.4 1M. 2647.4 2655.7 1M. 2655.7

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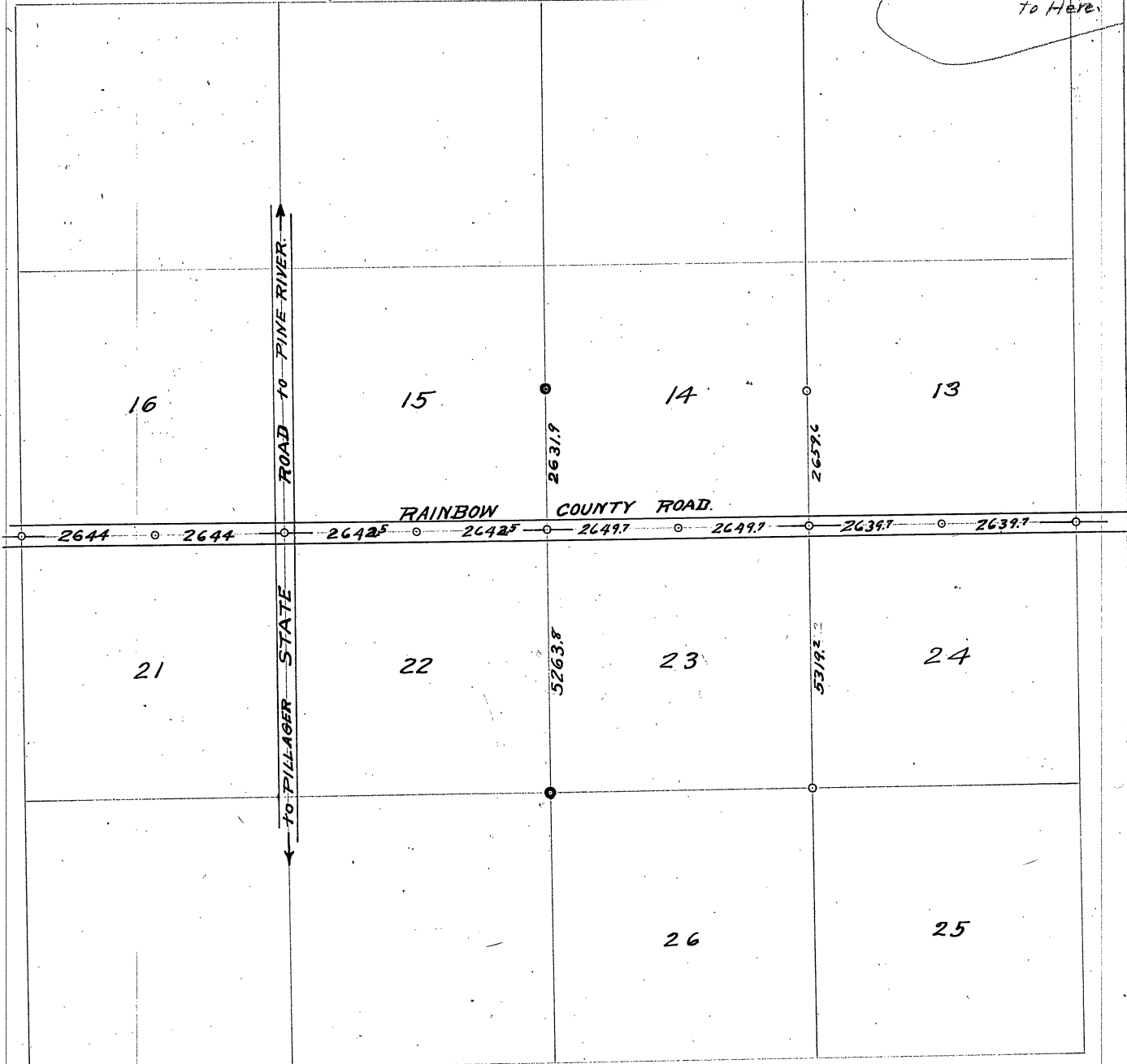
RGE. 32 W.
RGE. 31 W.

D

Survey Record No. 513
301-A.

TWP. 135 N. RGE. 30 W.

INDEX-Complete
to Here.



o Iron monuments at sec. & 1/4s. corners.

Field Notes of the reestablishment of Government corners in Twp.
140 N. of Rge. 30 W. of the 5th. P.M. Case County, Minnesota.

Nov. 16, 1922.

B.B. Bartlett, Deputy County Surveyor, goes to the corner of sec.
28-29-32-33 Twp. 140 N. Rge 30 W. where I set a 2 1/2 x 48" I.M. for the true section
corner from the remaining evidence of the four Government witness
trees;

Thence East on the section line between sec. 28-33 of said Twp. to Pleasant
Lake where I find the U.S. Norway Pine bearing tree from which I set a post
for the true M.C. #25 (cor. 7°30') To this cor. I mark a new B.S.
Nor. Pine 14" S. 87°30' W. 25.2' feet.

at U.S. M.C. No. 24 between Sections 33-34 I set a post for the true M.C.
from the Gov't. B.S. to which I mark new B.S.

{ B. Pine 12 S. 83°30' E. 21.5 feet.
" " 12 S. 19°00' W. 37.0 feet.

B.B. Bartlett, Deputy County Surveyor.
Recorded Nov. 27, 1922. by E.B. Frost, Dep. Co. Surveyor, Case County.
by James H. Flynn, County Surveyor.

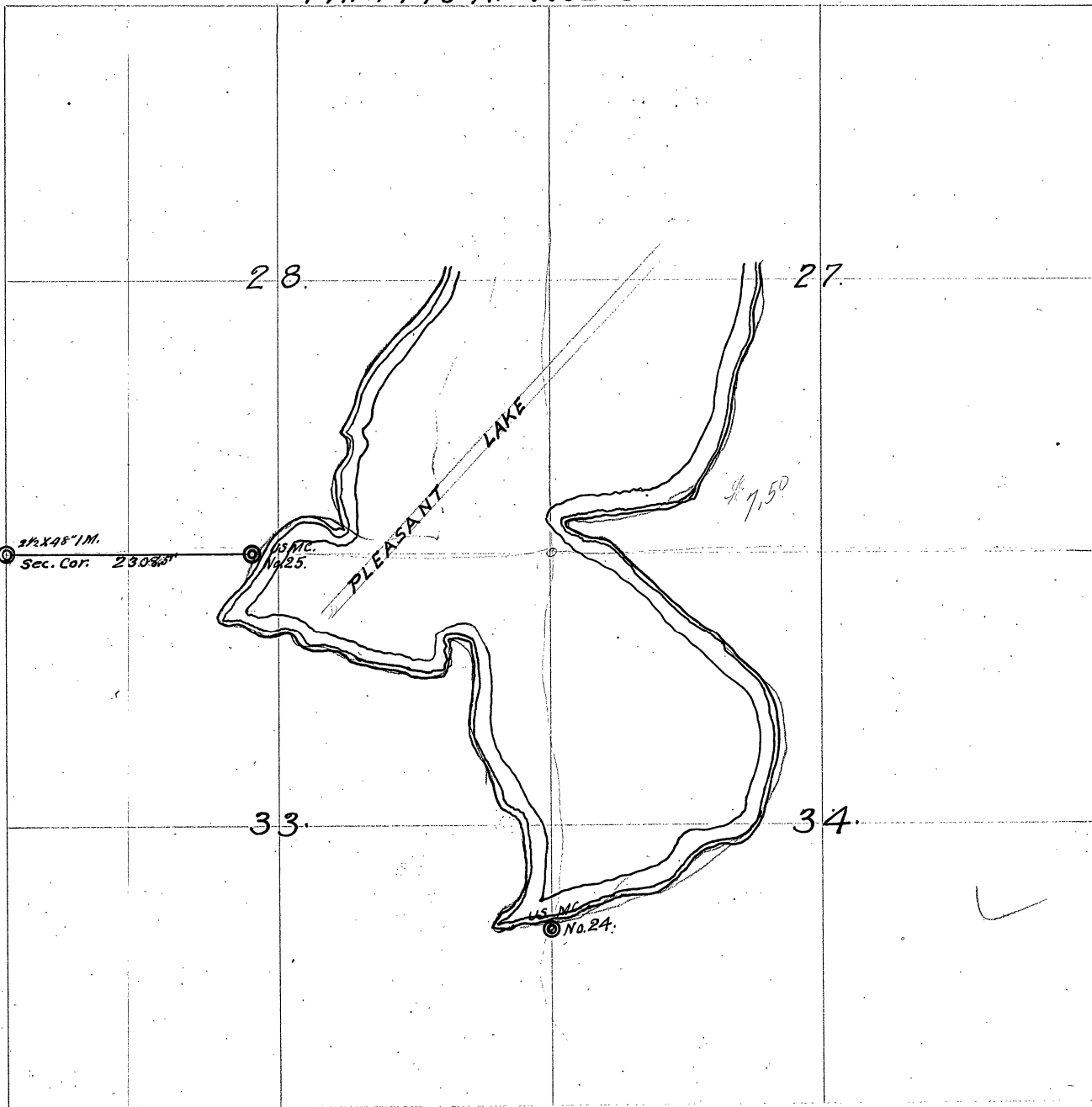
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Survey Record No. 514.

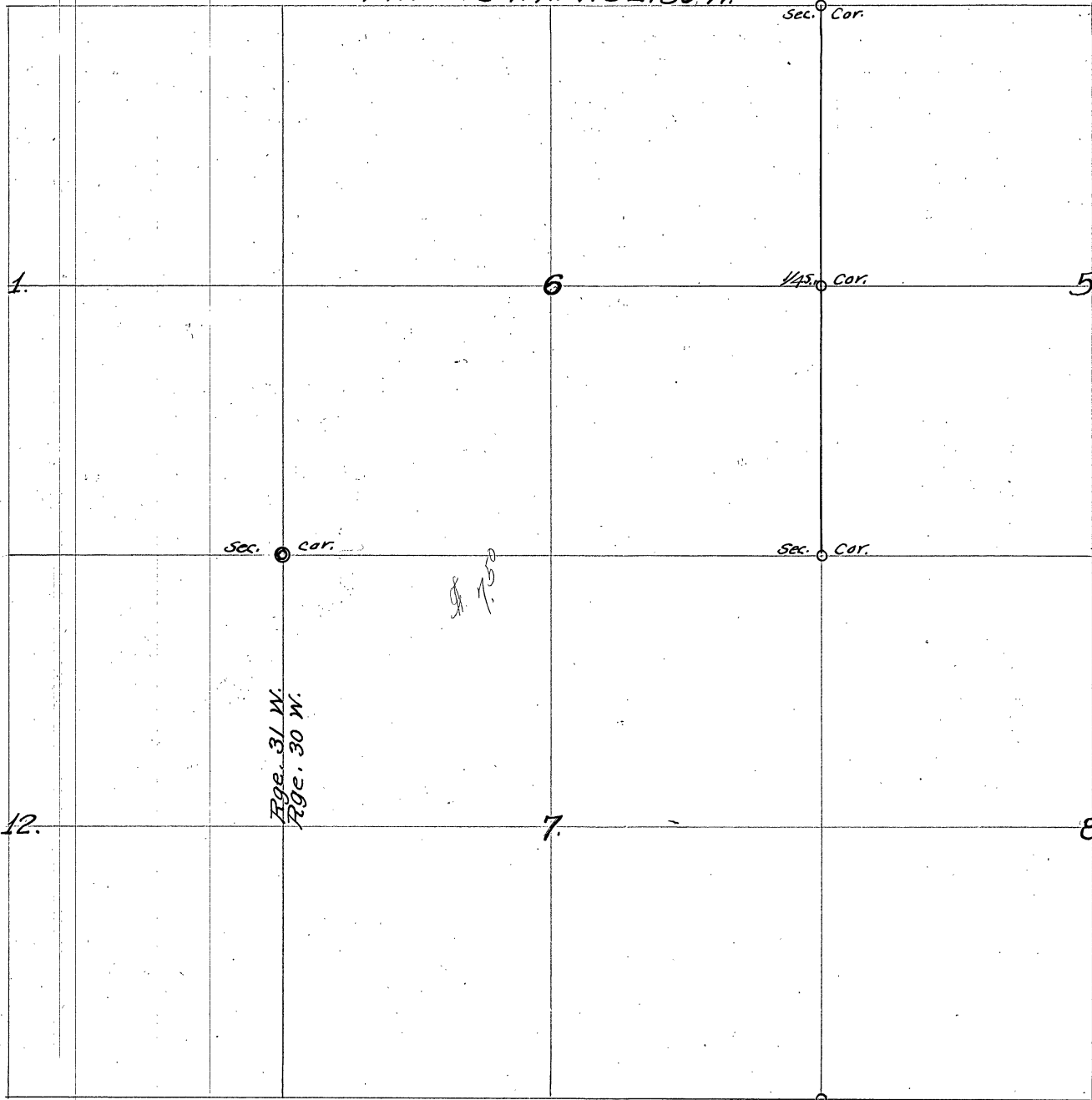
35 1000

TWP. 140 N. RGE. 30 W.



Survey Record No. 515.

TWP. 139. N. RGE. 30 W.



Nov. 18-1922. Field notes of the survey and establishment of Sec. and 1/4 sec. Corners in Twp. 139 N. Rge. 30 W. of the 5th. P.M. Cass County, Minn.

From the original Government bearing trees at the corner to sec six and seven Twp. 139-30 and ~~sec~~ one and twelve of Twp. 139-31 I set a post for the true section corner to which I mark.
New B.T. : White Pine 10" N. 60° E. 26.4 feet. (var. 9° 00')

Beginning at the corner to sections 5-6-7-8 T. 139 R. 30 I run N. on a random sec. line to the N.E. Corner of section 6. on the Twp. line I then return to the 1/4 Sec. cor. between sec 5-6 and set the 1/4 sec. cor. by proportionate measurement for N. & S. and in line with the N.E. and S.E. sec. corners of sec. 6 for East & West. I mark new bearing trees as follows. { Nor. Pine 7" S. 24° 30' W. 46.0 feet. } (var. 7° 35')
{ Nor. Pine 6" S. 20° 45' E. 21.1 feet. }

B. B. Bartlett.
Deputy Co. Surveyor.

Recorded Nov. 27, 1922.

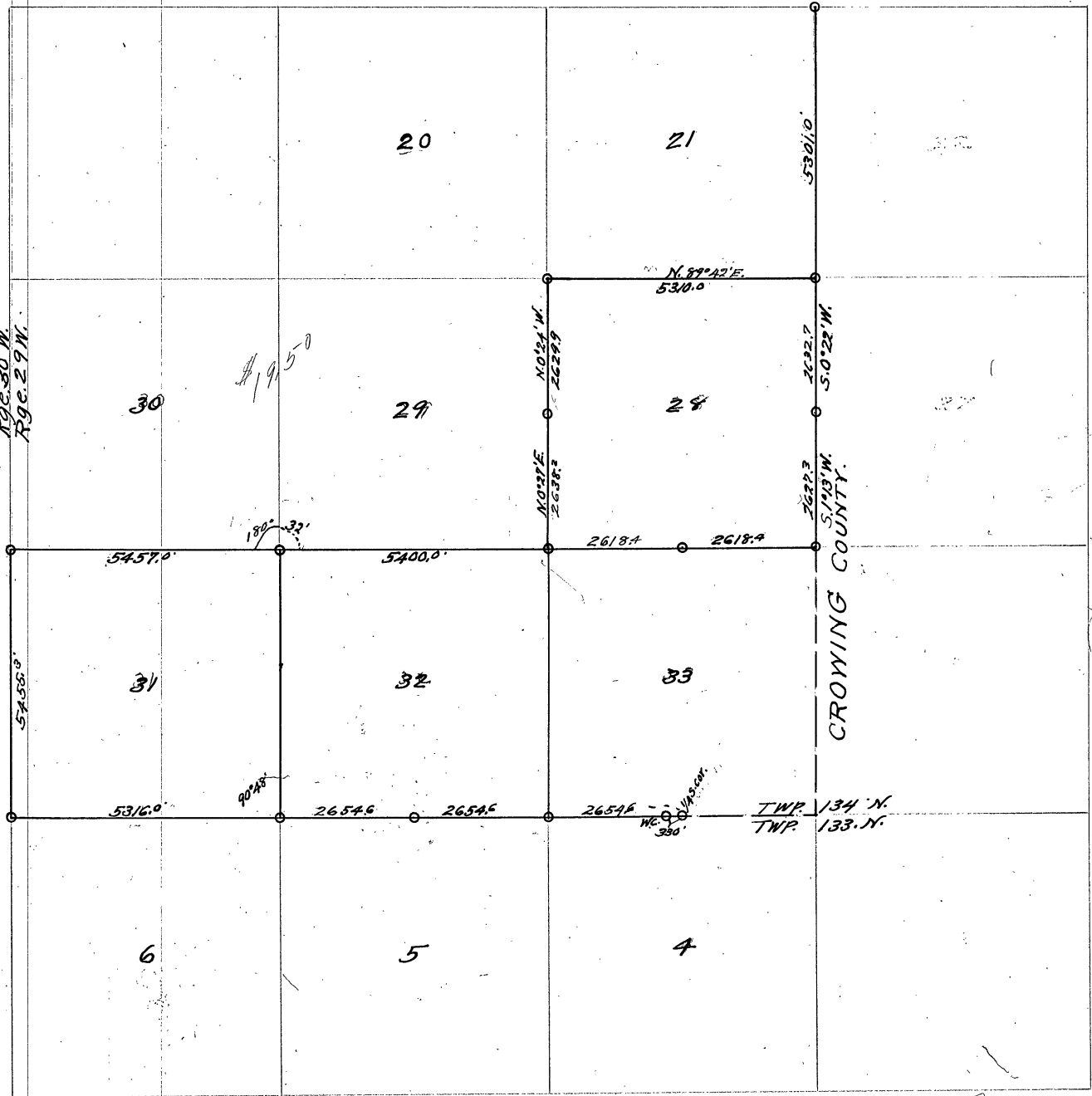
James H. Flynn, County Surveyor
Cass County, Minn.
by E. B. Rosst, Deputy.

200
40.30

D

TWP. 134 N. RGE. 29 W.

16



Rgc. 30 W.
Rgc. 29 W.

36

CROWING COUNTY

TWP. 134 N.
TWP. 133 N.

#19 50

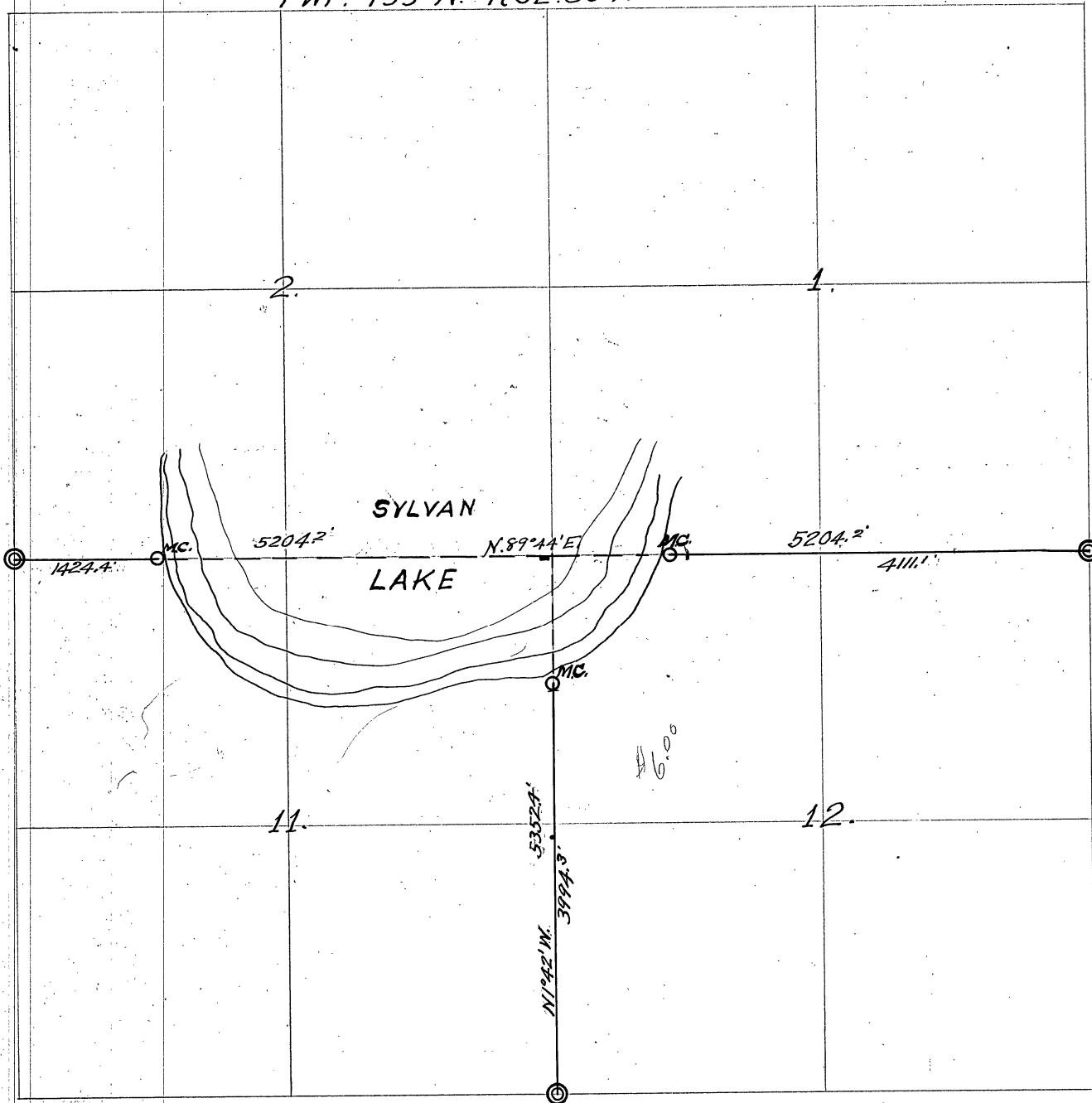
180°-33'

90°48'

90°-35'

Survey Record No. 517

TWP. 133 N. RGE. 30 W.



Field Notes of Survey of line between sections 1-2-11-12
Township 133 N Range 30 W.

June 16, 1922 R. E. Krueger, Instrument. Joe Weber, Head Chain
Jake Gustafson, Rear Chain. Started at corner of sections
11-12-13-14 and ran a random line variation 8-45- to
Sylvan Lake. Set a hub on top of bank at station 39
plus 94.3. Water edge at station 70 plus 40. Started at
corner of sections 2-3-10-11 and ran line thru cutting
at 11-00 variation. Intersected lake at station 1422.5 feet.
Set a hub at 1422.5 and computed the correction for 3
degrees and set sight at that point.

June 17, 1922 Rain. No work.

June 19, 1922 Started from corner of sections 1-6-7-12 and
ran on a variation of 5 degrees for 500 feet. Started to
rain and left work for the day.

June 20, 1922 Continued above line to station 31 plus 87.

June 21, 1922 Set sight at cor. 11-12-13-14 and took angle
between back sight and this point. Continued line through
41 plus 11.1 where line intersects lake. Set hub and turned
an angle of 90 degrees and ran a base line to south 727.5 ft.
long. Took the angles between the line and sight on west
side of lake and also angle between sight on west side of
lake and sight on south side of lake. Also angle between
base line and point on south side of lake. Also set up on
south side of lake and took angle between back line and
south end of base line.

Note - Organization of party same as on first day except that
of June 19-20 Harold Jensen was employed to help chain
and carry stakes, etc.

Pillager, again. June 22, 1922

June 23rd. Offset from random line south of Sylvan Lake
to Sec Line. Station 39 plus 94.3 - 117 ft over to W. Station 32 -
93.7 ft. to W.

Surveyed by R. E. Krueger,
June 16-23, 1922.

Recorded Dec. 23, 1922

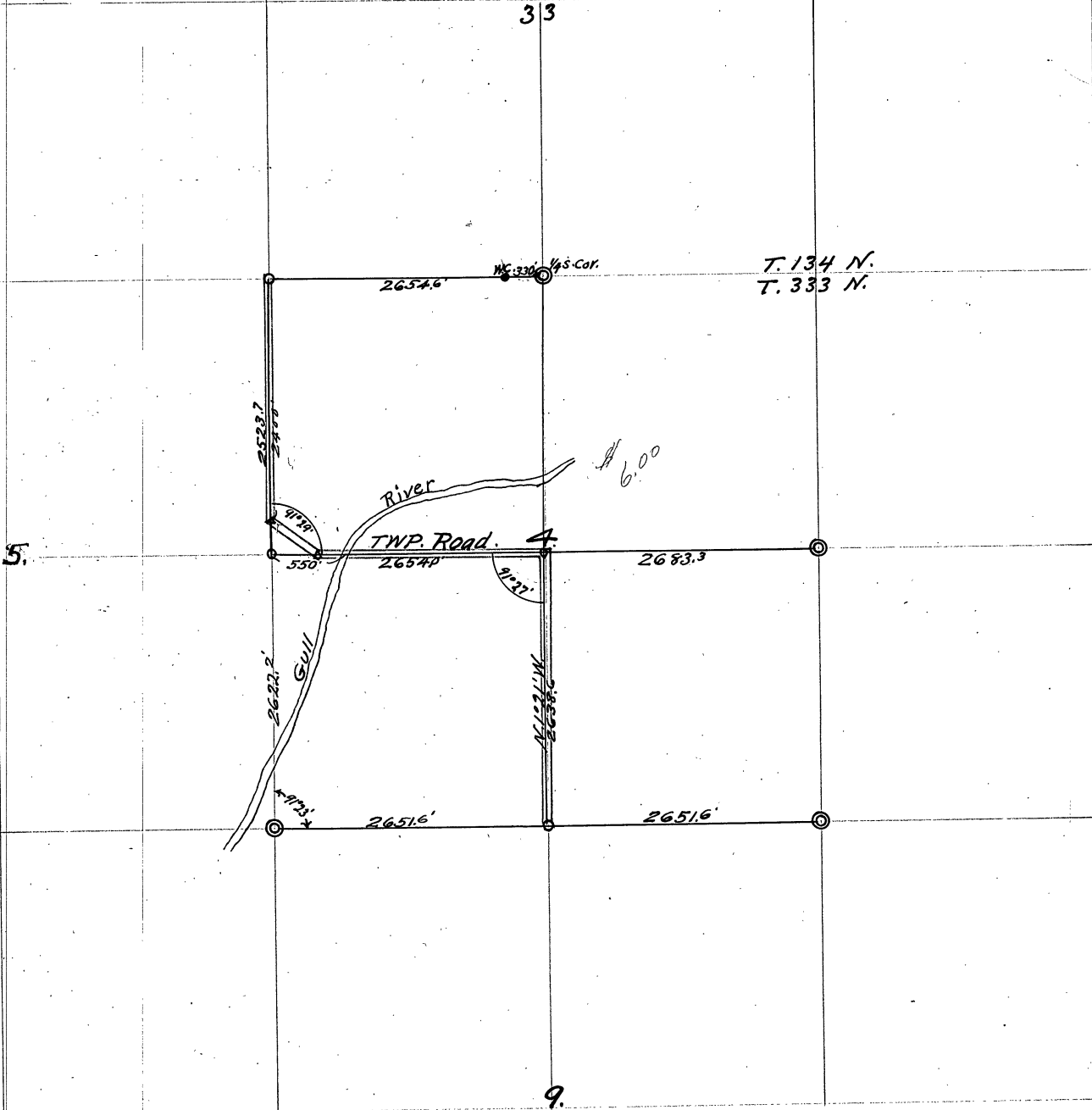
By E. B. Horst Deputy.

#0.30

D

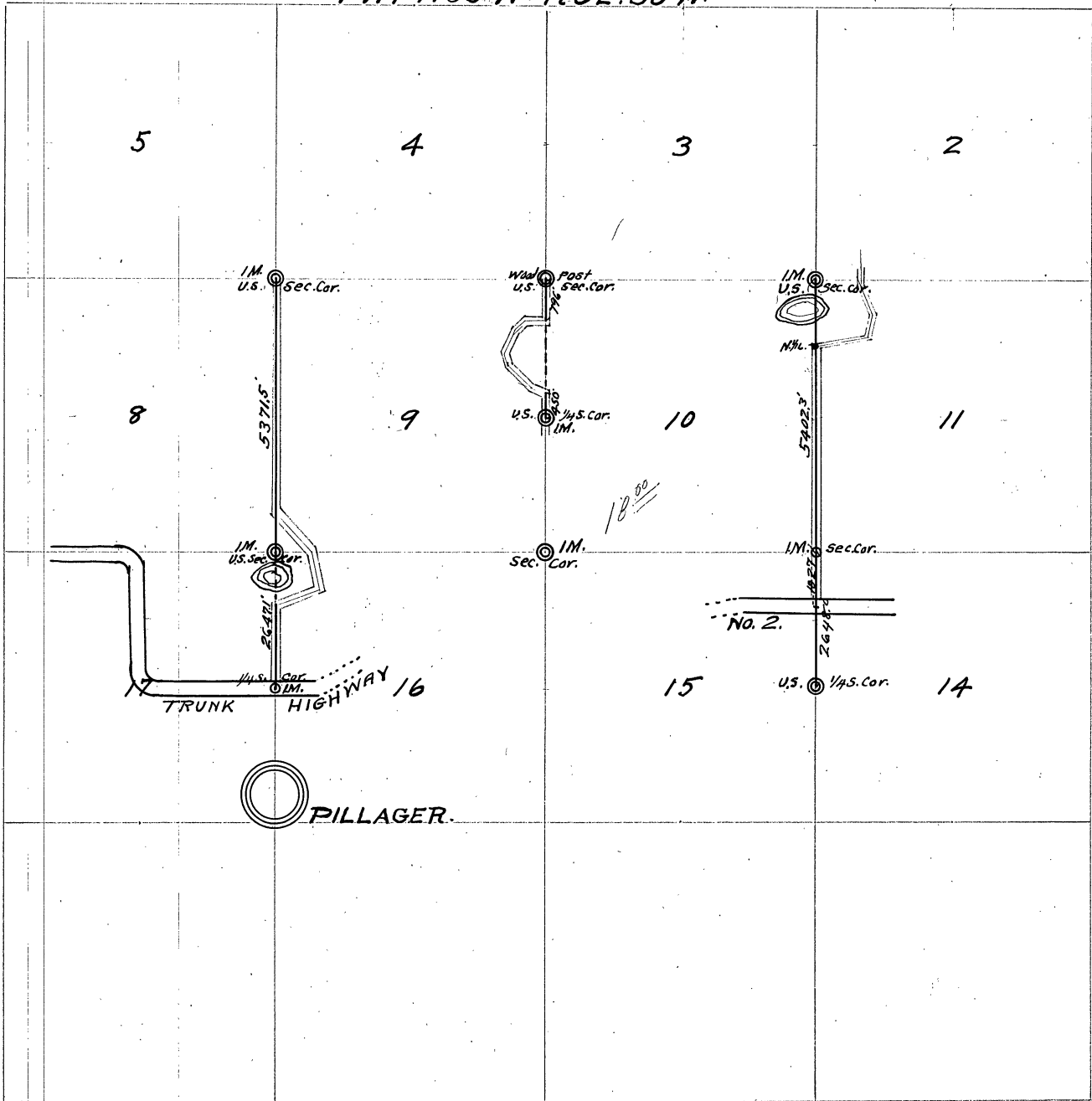
Survey Record No. 518.
BKA.

TWP. 133 N. RGE. 29 W.



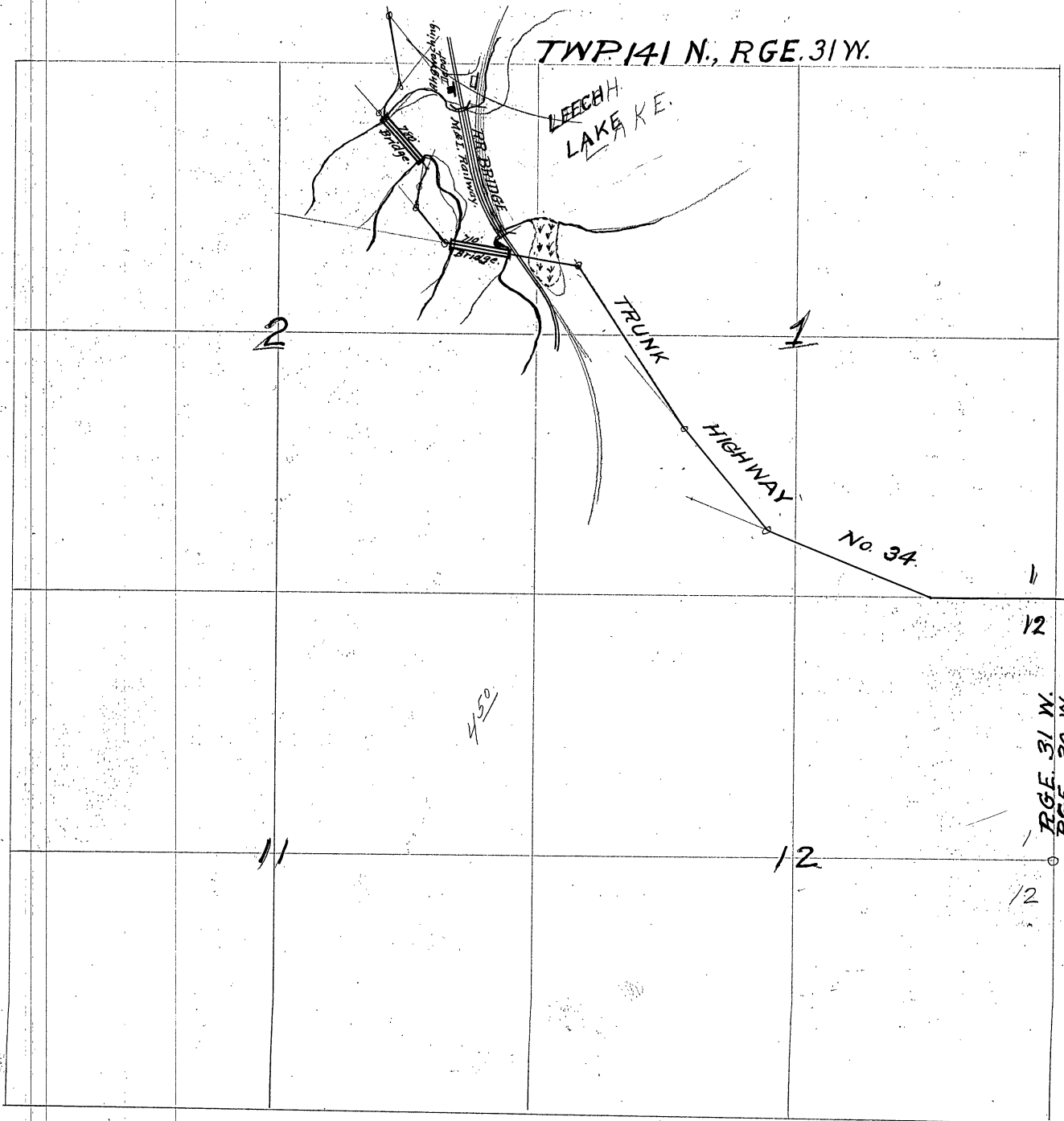
D

TWP. 133 N. RGE. 30 W.



TWP 141 N., RGE. 31 W.

LEECH LAKE KE.



1 6

12 7

1 6

12 7

RGE. 31 W.
RGE. 30 W.

D

Trunk Highway No. 34. Twp. 141 N. Rge. 31 W.

P.I. 66+83' place of beginning on San Depot road.
 S. 9° 13' E.
 P.I. 75+18.9.
 S. 38° 22' W.
 P.T. 77+30.7 = 77+59.8.
 P.I. 79+50. R.P. { ST. N. 245
 Oak. N.W. 323
 S. 41° 44' E.
 80+04.5 W. end Bridge.
 P.T. 80+71.3 = 81+36.8
 88+50 E. end of Bridge.
 P.I. 90+28.8.
 S. 23° 26' W.
 P.T. 91+58.5 = 91+71.6.
 P.I. 91+91.8.
 S. 9° 04' W.
 P.I. 95+52.4.
 S. 40° 03' E.
 P.T. 96+79.8 = 96+97.9.
 P.I. 101+36.7.
 S. 80° 43' E.
 P.T. 102+44.6 = 102+54.7.
 102+64.4 W. end of Bridge.
 109+74.4 E. " " "
 110+05 (Beginning of F.A.P. 175)
 110+86.5 M. & I. Ry. C.
 P.I. 118+18.6 = 118+27.2.
 S. 33° 07' E.
 P.T. 118+94.6 = 119+15.3
 P.I. 141+66.2 = 142+10.6.
 S. 40° 11' E.
 P.T. 143+87 = 143+87.5.
 P.I. 157+82.
 S. 68° 03' E.
 P.T. 158+67.4 = 158+70.8.
 P.I. 178+32.0 = 176+98.0.
 S. 88° 20' E.
 P.I. 188+59.3 = Iron Mon. at Cor. Secs. $\frac{1}{6}$ 7 Rges. 30-31, W.

Survey Record No. 521.

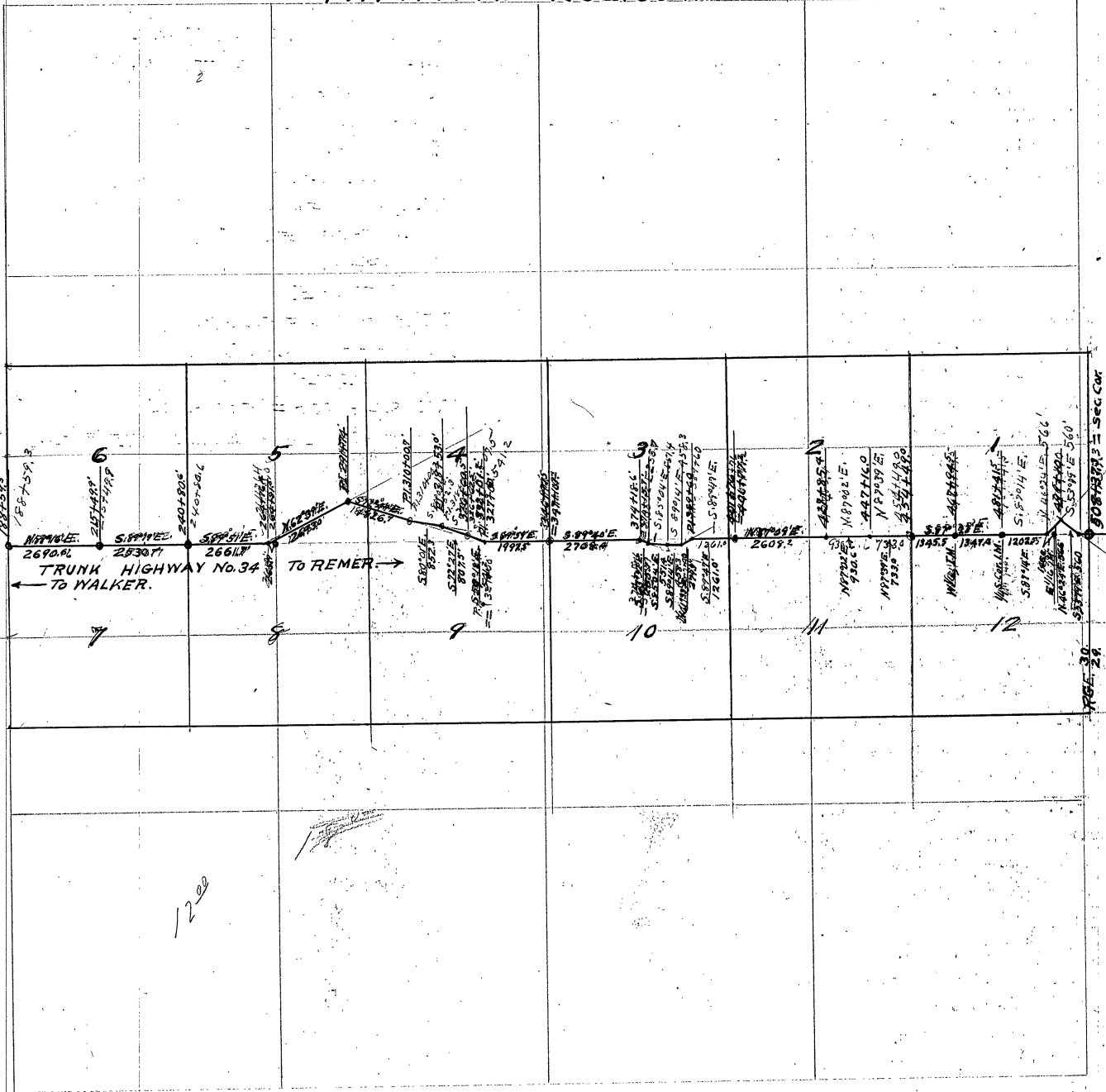
188+59.3 Sec. Cor. on Rge. line.
 N. 89°16'E.
 215+49.9 1/4 S. Cor. bet. Secs. ⁶/₇ 141-30.
 RP { Tel. Pole ME. CO. 93 }
 { Pop. A. SE. 50.1 }
 S. 89°19'E.
 240+80.6 Sec. Cor. ⁶/₈ Iron Mon.
 S. 89°51'E.
 P.I. 204+76.4 = 264+81.0. 1/4 S. Cor. ⁵/₈ 265.9 ft. E.
 N. 62°39'E.
 P.I. 291+74.0 RP-
 S. 72°44'E.
 P.T. 292+45.9 = 292+55.9.
 P.I. 310+00.7 = 310+00.
 S. 88°01'E.
 P.T. 311+81.9 = 311+82.3.
 P.I. 318+53.0 = 318+49.5.
 S. 72°27'E.
 P.T. 320+38.3 = 320+39.
 P.I. 326+60.5 = 326+62.5.
 S. 59°18'E.
 P.T. 327+93.4 = 327+94.6.
 P.I. 332+01.7 = 327+00
 S. 89°59'E.
 P.T. 327+74.2 = 327+78.5.
 P.I. 346+99.5 = 347+10.3 Sec. Cor. ⁴/₇ Iron Mon.
 S. 89°40'E.
 P.I. 374+18.5 = 374+18.7.
 S. 68°32'E.
 P.T. 375+10.6 = 375+12.9.
 P.I. 376+73.7 = 376+74.2.
 S. 85°04'E.
 P.T. 378+10.9 = 378+13.
 P.I. 382+25.6 = 382+22.7
 S. 89°14'E.
 P.T. 384+30.9 = 384+31.2.
 P.I. 386+81.
 N. 61°33'E.
 P.T. 387+70.3 = 387+74.3.
 P.I. 389+60.
 S. 89°47'E.
 P.T. 390+30.1 = 389+85.0.
 P.I. 401+76 = 401+77.3
 N. 87°09'E.
 P.T. 403+30.5 = 403+30.6
 P.I. 427+85.4.
 N. 87°02'E.
 P.I. 447+16.0.

N. 87°39'E.
 P.I. 454+49.0.
 S. 89°23'E.
 467+94.5 W. 1/16, S. 1/2 I.M.
 481+41.5 1/4 S. Cor. 1/2 I.M.
 S. 87°14'E.
 488+15.3 Allot. Cor.
 P.I. 493+44
 N. 46°24'E.
 P.T. 494+13 = 494+23
 495+05 E. 1/16, line.
 P.I. 499+10.
 S. 53°19'E.
 P.T. 500+34.8 = 500+35.6.
 P.I. --- not given.
 S. 86°23'E.
 P.T. 504+52.9 = 503+88.5
 508+37.3 Iron Mon. Cor. ¹/₁₂ ⁶/₇ Rge. line ³⁰/₂₉

200 wds.

103

TWP. 141 N. RGE. 30 W.



1884583.
788759.3

6

N 88° 48' 30\"/>

7

5

S 89° 40' 00\"/>

S 89° 40' 00\"/>

S 89° 40' 00\"/>

TRUNK HIGHWAY No. 34
TO REMER →
← TO WALKER.

8

4

S 89° 40' 00\"/>

S 89° 40' 00\"/>

S 89° 40' 00\"/>

S 89° 40' 00\"/>

9

9

S 89° 40' 00\"/>

S 89° 40' 00\"/>

10

11

S 89° 40' 00\"/>

S 89° 40' 00\"/>

11

12

S 89° 40' 00\"/>

S 89° 40' 00\"/>

12

12025

S 89° 40' 00\"/>

S 89° 40' 00\"/>

12

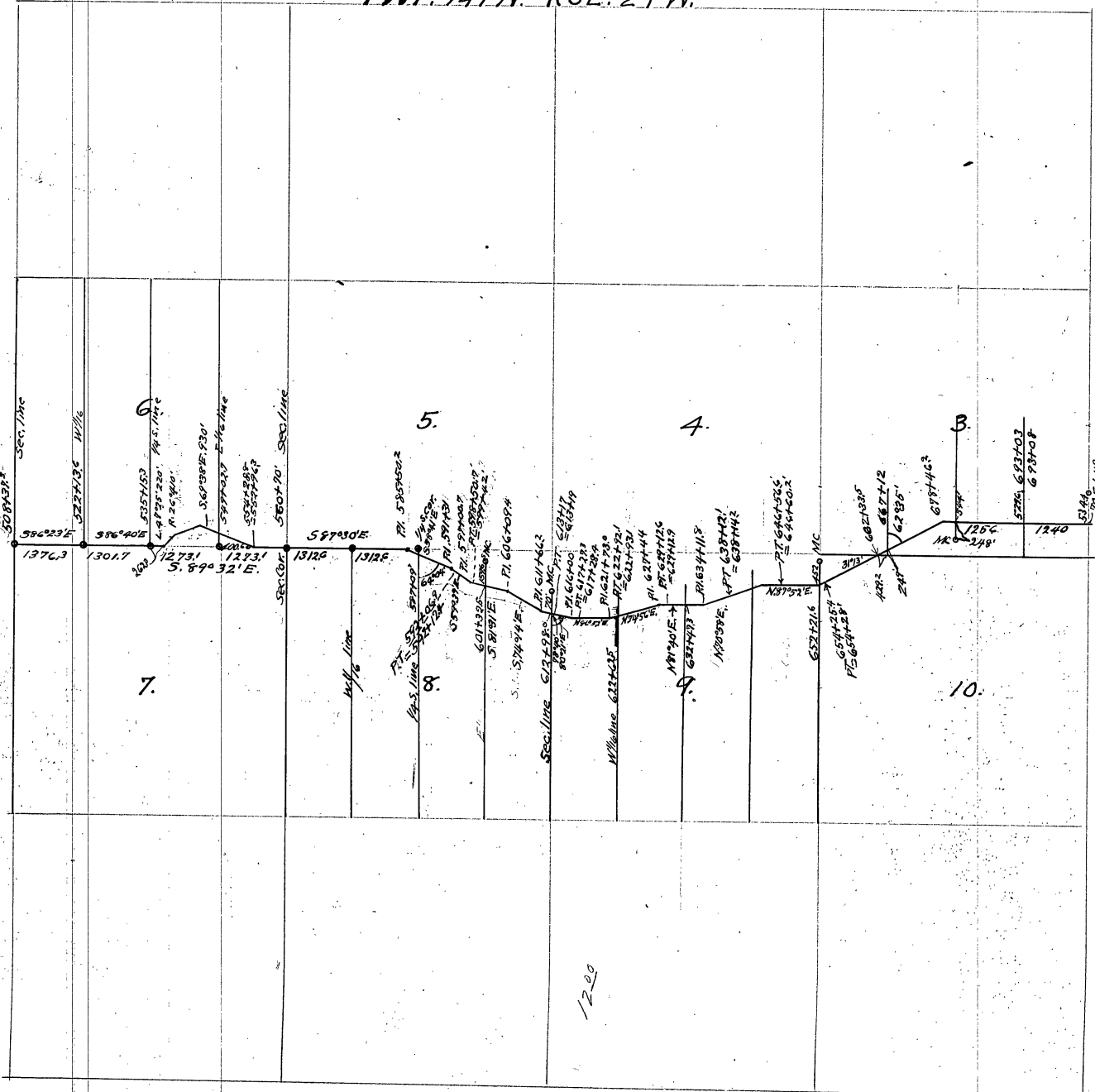
8084383 = Sec. Cor

RGE. 30

12-20

Survey Record No. 522.

TWP. 141 N. RGE. 29 W.



End of Project

1220

Survey Record No. 523.

Report on the Survey, location and establishment of a road in Section 24 and 27 Town 142 N. 27 Cars. Co. Minn.

Beginning at the North $\frac{1}{4}$ post of said section 24 which was: Aspen 7 N. 54 E. 40 ft. Maple wd. 10 E. 38 1/4" now is: Aspen stub, marks plain, 8 N. 54 E. 40 ft. A road is partly constructed from Sabigu to this point; from which we brushed out a random or trial line, South, along a partly cleared line and at 439.4 ft. then south 45° and 45° W. 1075 ft. to south $\frac{1}{4}$ line post of said sec. 26 which was: Norway 5 N. 45° E. 3 lbs. Poplar 4 N. 40° E. 4 lbs. now is Norway stump, 16 N. 45° E. 3 lbs. with B.T. reasonably plain so that an error was undoubtedly made in regarding the direction of this witness tree from the post, for the reason that the original notes called for this Norway to be S. E. but, as the B.T. is on the W. side of the stump it is evident that the post was placed on that side. Now therefore, the bearings for this post is: Norway stump, 7 S. 70° E. 12 ft. N. Pine 16 N. 45° E. 2 ft. (original). After setting post went back to North $\frac{1}{4}$ post said sec. 26 and turned off 8° and 28' W. from random line for true road line with stations of 100 ft. each, to wit:

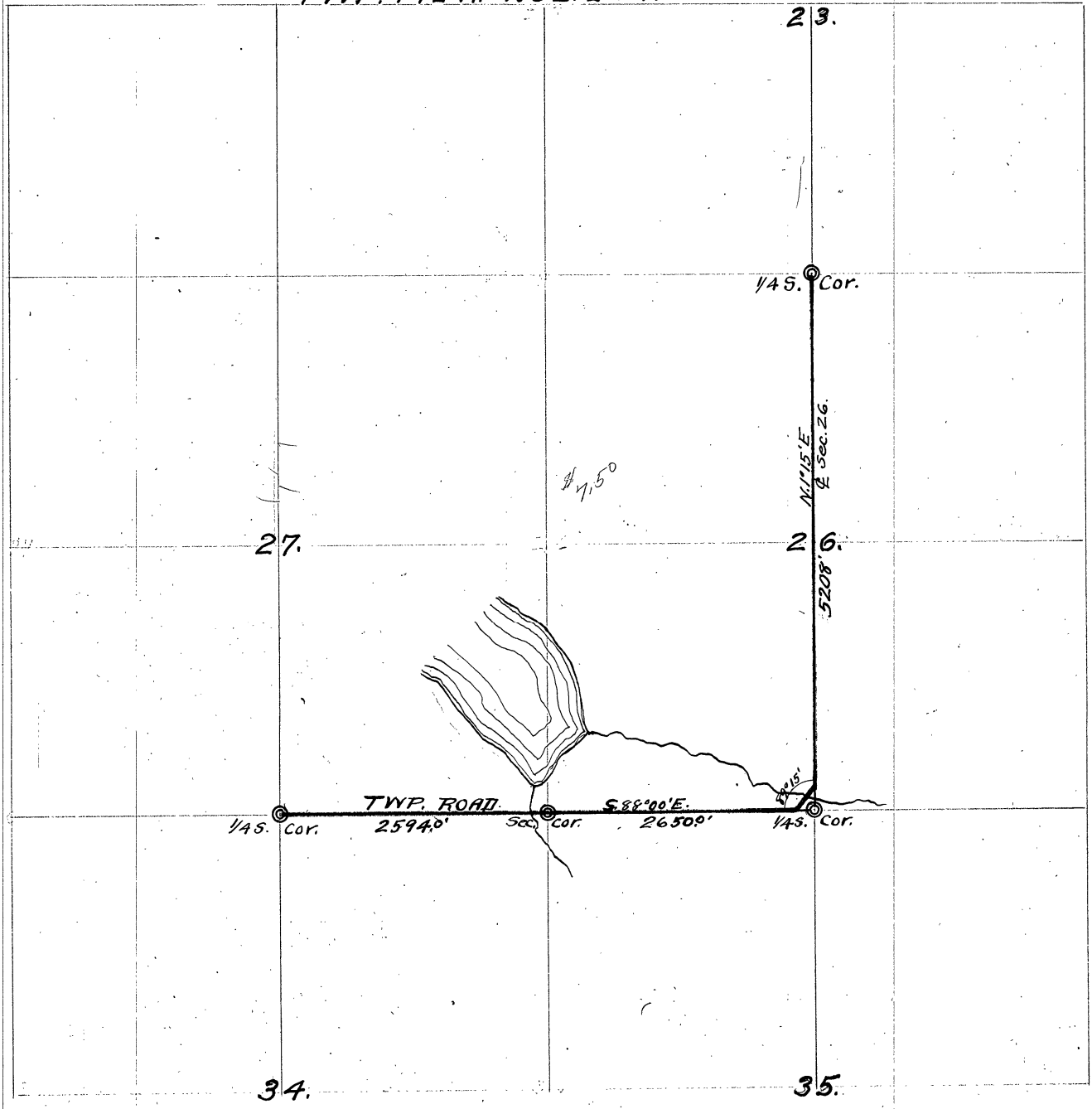
Sta. 180 ft. culvert. Station 200 Culvert. Station 3440 ft. road E. & W. Station 40 - enter tamarac and grassland. Sta. 5029 ft. leave $\frac{1}{4}$ line S. 38° W. Sta. 5132 ft. N. shore of Swift brook. Sta. 5156 ft. South shore of Swift brook. Sta. 5252 ft. road E. & West. Sta. 5291 ft. sec. line said sec. 26 at a point 152 ft. W. of S. $\frac{1}{4}$ post thereof. then random line from this $\frac{1}{4}$ S. post west and at 2450 ft. then S. W. cor. said sec. 26 is 30 ft. N. making 46 min. the amount for correction; then returned and came thru with correct or road line. Sta. 57 center cedar swamp. timber cut N. of line and not cut on south. Sta. 6130 logging road N. & S. culvert drain North. Sta. 6500 leave cedar swamp. At 7100 enter Tam. and cedar swamp. At 7500 ft. enter aspen marsh. At 7791 ft. sec. corner for sections 26, 27, 34 and 35: said top which is a Cedar post 4 ft. long, 4 x 4" driven into ground. I did this in 1915. The field notes or witnesses for this corner are as follows: witness cor. west 497 lbs. 460 ft. to wit: Cedar wd. 10° E. 6 lbs. Tam. 5 N. 42. Both these trees are O.K. Then started random line from this corner west and at 2167 ft. then N. 81° W. 432 ft. to S. $\frac{1}{4}$ S. 27 making 1° 29' for correction; then corrected this 2694 ft. Sta. 7810 ft. creek, 10 ft. flows N. into Swift lake. Sta. 8106 ft. leave Aspen Marsh. At 8300 ft. leave swamp. At 8452 ft. culvert. At 9500 ft. culvert. at 10000 exit Aspen marsh. At 10,382 ft. S. $\frac{1}{4}$ S. 27 bearing trees as follows: Tam. 7 S. 44° W. 32 ft. Spruce 5 N. 28° W. 43 ft.

Survey began Nov. 16, 1922 and ended Nov. 23, 1922

J. H. Flynn, Co. Surveyor.

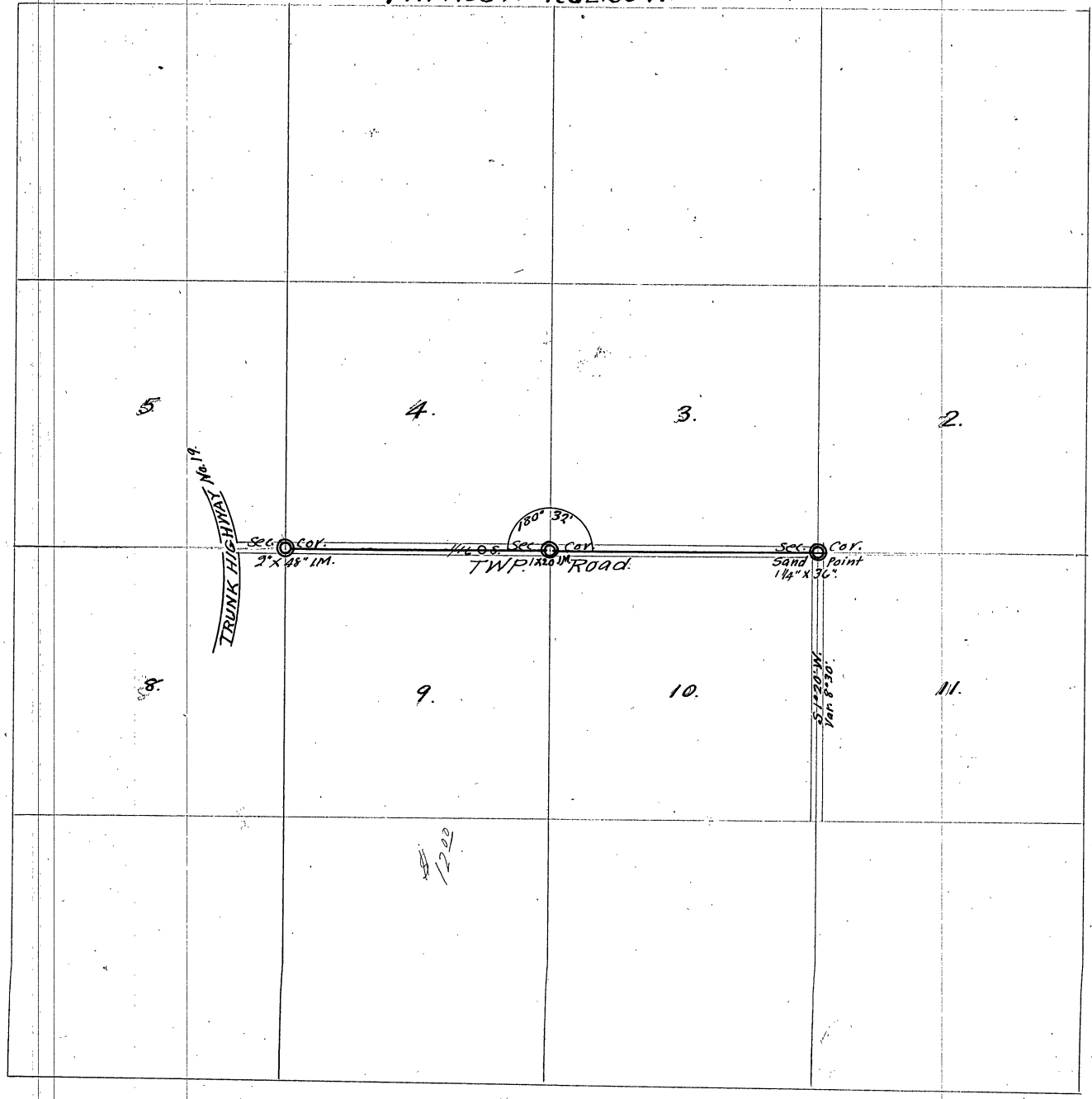
Recorded Dec. 22, 1922 By E. B. Horst, Deputy.

TWP. 142 N. RGE. 27 W.



Survey Record No. 524.
F.B. BKR.

TWP. 138 N. RGE. 30 W.



Field notes of a Survey of a section line for Road Purposes
 in Twp. 138 N. 30 W. 6th Prin. Med. Cass Co. Minn.
 Oct 3, 1922. E. B. Horst drives to Bachus to get Ed. Gilberg to
 assist on survey along S. Side of sec. 3-138-30. We drive
 to cor. sec. 9-3-10-11 where I find the U. S. B. S. Pin 5 N. 50°
 30' E 87 lbs. A stub 4 ft high B. Pins 7 S. 48° E. dead tree burned
 No. marks and plainly marked from which I set a well
 point for corner. And take following R. P. S. Jack Pin 10"
 N. 48° 00' W. 58.2 ft. 8° 30' Var. N. E. Cor. school house founda-
 tion (stone). S. 44° 00' W. 179.2 ft. An old road graded bet. sec.
 10-11 bears S. 105° 0' W. (8° 30' Var.).

Surveyed by E. B. Horst. Oct. 3, 1922.

Recorded by E. B. Horst, Deputy.
 Dec. 23, 1922.

Survey Record No. 525

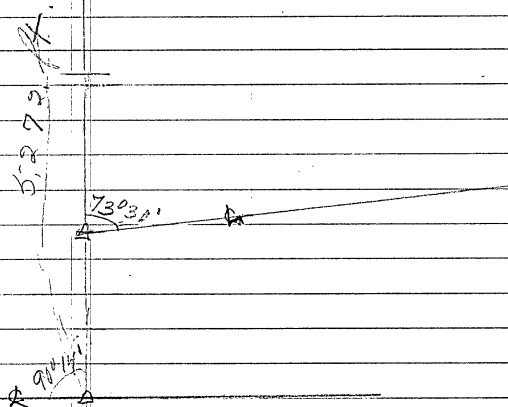
Oct 7, 1922. E. B. Horst and Ray Bannister drive to Webb Lake to run W 1/4 line of sec. 13-140-30 and make ties to Hackensack and Longville road. Diagram below.

W. 1/4 S. 13-140-30 w.e. m.e. 44 miles round trip.
5272 ft. 974.0' 2 1/2 x 48" S.M.

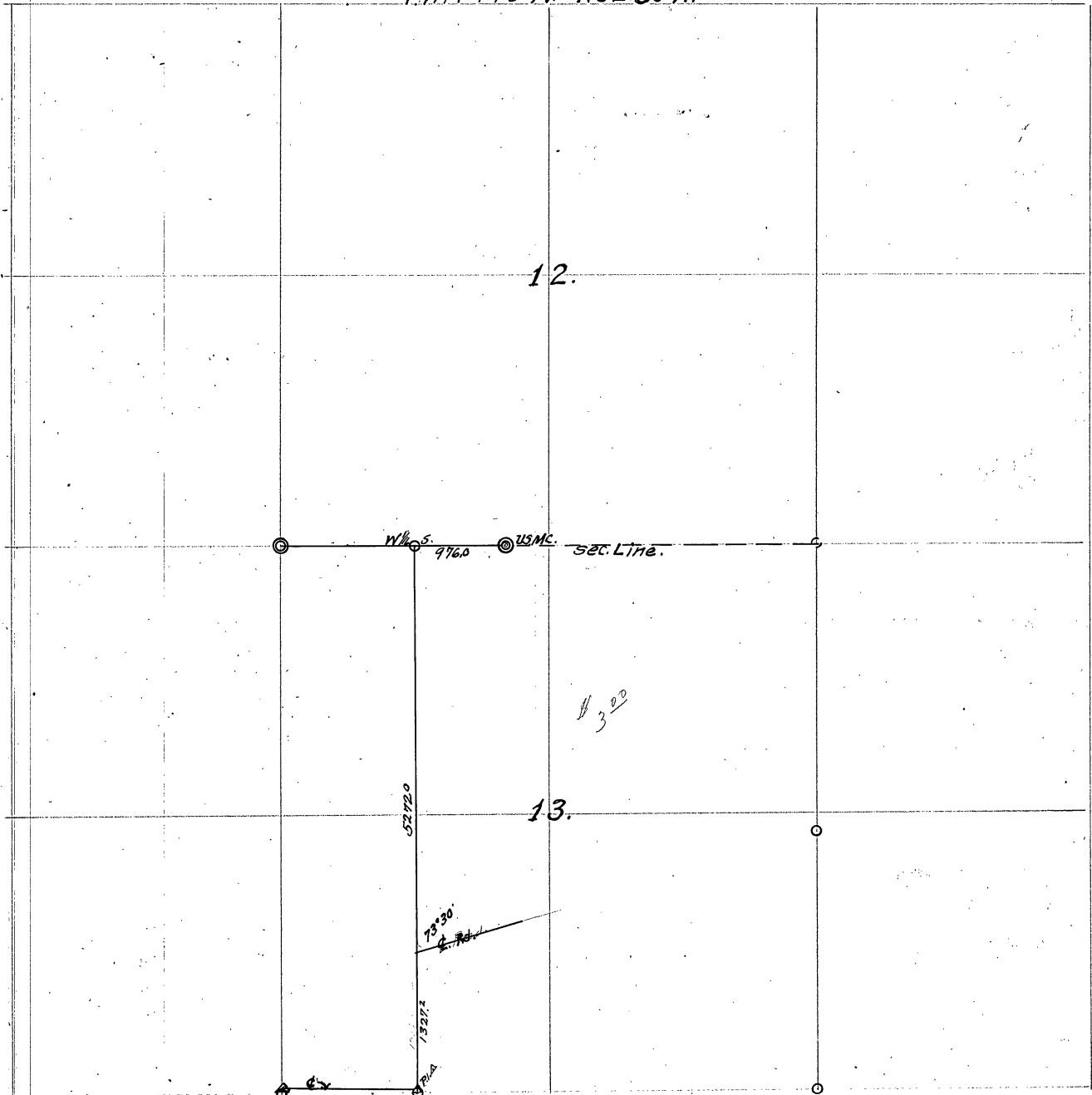
E. B. Horst.

since 3949

Recorded Dec. 24, 1922.
By E. B. Horst
Deputy.



TWP. 140 N. RGE. 30 W.



12.

13.

W. 1/2 S. 976.0 USMC sec. Line.

320

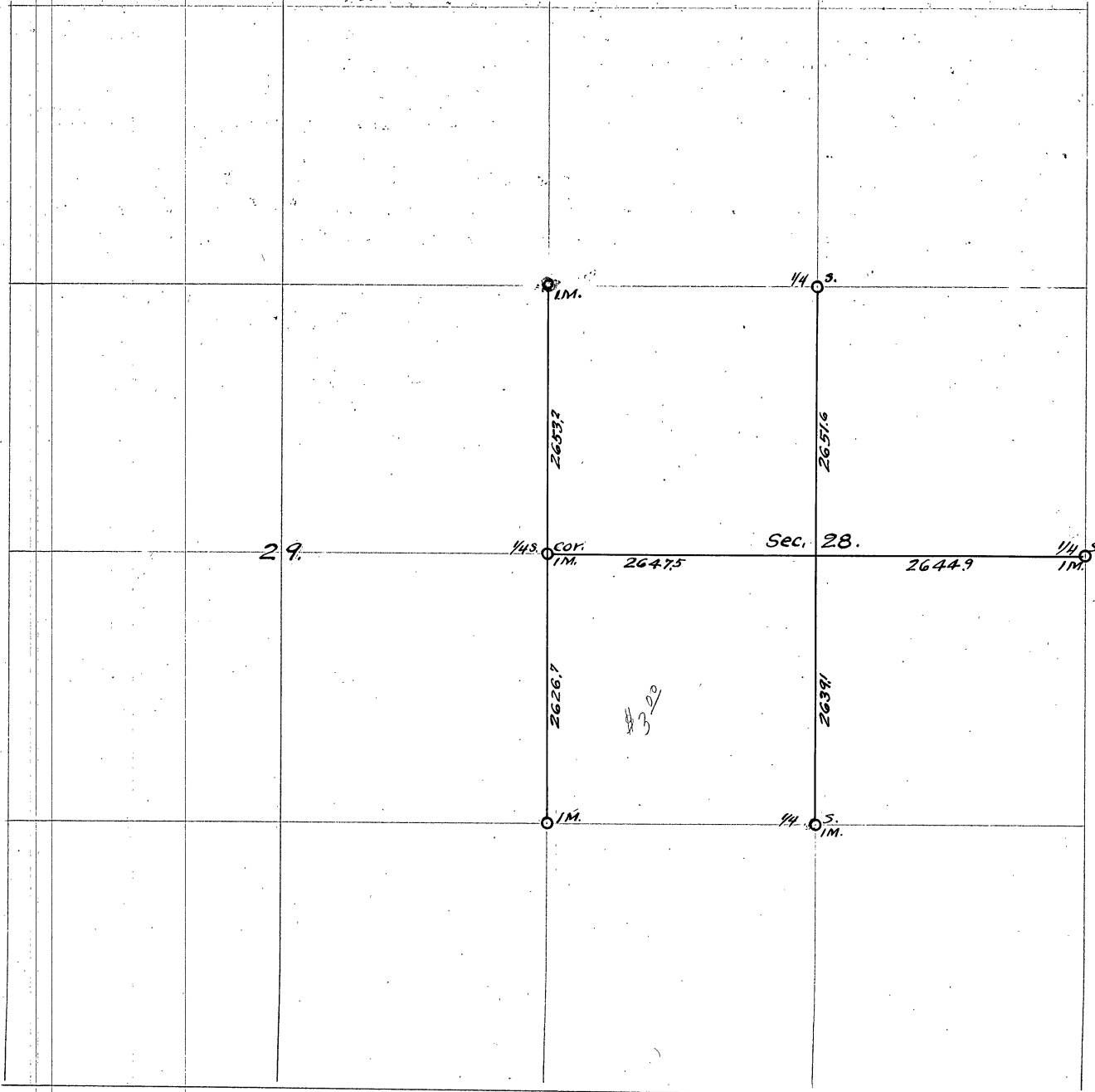
73°30'

5242.0

1327.2

724.0

TWP. 138 N. RGE. 30 W.



Field notes of the survey of secs. 28 & 29 of Twp. 138 N. Rge. 30 W. of the 5th. P.M.
Cass County, Minnesota.

June 19, 1916 Starting at the $\frac{1}{4}$ sec. cor. between sections 28 & 29 marked by a $1\frac{1}{4}$ x 48" iron iron.
and run E. at $8^{\circ}15'$ Var. at sta. 400 set hub. at 800 set hub. at 1320 set temp. $1\frac{1}{4}$
Cor.; at 1900 set hub. at 2500 set hub. and quit for night.

June 20, Continue E. from 2500, at 2640 set temp. C $\frac{1}{4}$. S. 28. at 2900 set hub. at 3960
set temp. C.E. $\frac{1}{16}$. at 5000 set hub. at 5292.7 ft. E. fall 14.6 ft. S. of the $\frac{1}{4}$ sec. cor.
between secs. 27 & 28.

Starting at the $\frac{1}{4}$ sec. cor. between secs. 21 & 28 marked by a 2" x 48" iron iron.
and run S. at $8^{\circ}00'$ Var. at 1000 set hub. at 1320 set temp. C.N. $\frac{1}{16}$. at 2200 set
hub. at 2640 set temp. C $\frac{1}{4}$. at 3100 set hub. at 3800 set hub. at 3960 set temp.
C.S. $\frac{1}{16}$.

June 21, Continue S. from 3960. at 4500 set hub. at 5290.7 ft. S. fall 12.1 ft. W. of
the $\frac{1}{4}$ sec. cor. between secs. 28 & 33, marked by a $1\frac{1}{4}$ x 48" iron iron.
Left. J. H. Adamson for Mildred at 3 P.M. arrived at Walker 5 P.M.
June 21, 1916 John H. Pommarel, surveyor.

Recorded Dec. 23, 1922 by Jas. H. Flynn, County Surveyor.
E. B. Horst, Deputy.

11615

Survey Record No. 537

Report of Survey and location of Iron Road Four Rods in width and four miles and 1.876 feet in length, beginning at the South-east corner of Section 32 and ending at the North quarter post for section 16, said town to wit:

Township of Ingredona (41-27), Cass County, Minnesota.

Therefore, beginning at the SE Corner said section 32, left angle 77° 20' (supposed to be 70), thence North, East 21, on graded road:

At 2,065 ft creek 20' wide (bridged), at 2,691' quarterpost for Sections 32 and 33, Iron Monument placed by recent Government Survey, thence right 12 deg and 30' along graded road 2772 ft to section corner to sec. 28, 29, 32, 33, which corner stand of monument, thence North 180 deg and 10' along a graded road 2720' to the quarterpost for said sections 28 and 29, which is a little monument, from this point by station, this point being zero. North 180 deg.

Station	11/66	Culvert No. 1	Station	61-75	Culvert No. 6.
"	11-89	77 22 1/2 deg E. (right)	"	80-77	Corner Secs 16-17-20 and 31, which is same kind of iron monument. Marked top to wit: N Pine 1st S 43 N 105° 5'
"	15	7.5' left	"	"	" " 127 61 N 29° 4'
"	16	5 "	"	"	" " 107 82 E 117'
"	17	5 1/2 "	"	88-121	77 23 E (right)
"	17-25	Culvert No. 2.	"	90-80	77 11/4 E (right)
"	24-60	" " 3.	"	94-52	Culvert No. 7.
"	27-45	Section line for sections 21-28 and 190 ft East of corner to Sections 20-21-28 and 29	"	120-30	" " 8.
"	29	645 left	"	121-95	60 1/2 deg left
"	34-07	Culvert No. 4.	"	128-23	Culvert No. 9.
"	41-73	20 right	"	133	" " 10.
"	44-72	29 left	"	147-75	North quarterpost for aforesaid section 16 in the center of "Cubrock" Highway No. 34 (Station) Marked the following trend as witness to this S. 77. to wit: Chalk bed 12 S. 27 E 66' 6"
"	45-52	Culvert No. 5.	"	"	" " 97. 67 E 84' 0"
"	46-81	16-56 left intersect section line for Secs 20-21-476 ft south of 1/4 post for said sections which is corner sort of Monument. Put logs to wit: White Birch 7 71 44 N 44 1/2' Red Oak 5 S. 88 E. 28 1/2'	"	Carx	80. 36 N 53'

old

From the said North 1/4 post of said Section 28 to this quarterpost the road location herein described is clear of brush, down timber and to stump grubbed out making the same ready for the grades.

J. H. Flynn, Deputy County Surveyor

Dated at Spencer, Cass County, Minnesota June 1923.
Survey made June 2 and 5-1923.

Accepted and approved by

J. M. Greene
Co. Surveyor, Cass Co.

#154

Plat of
Rec. 527
10

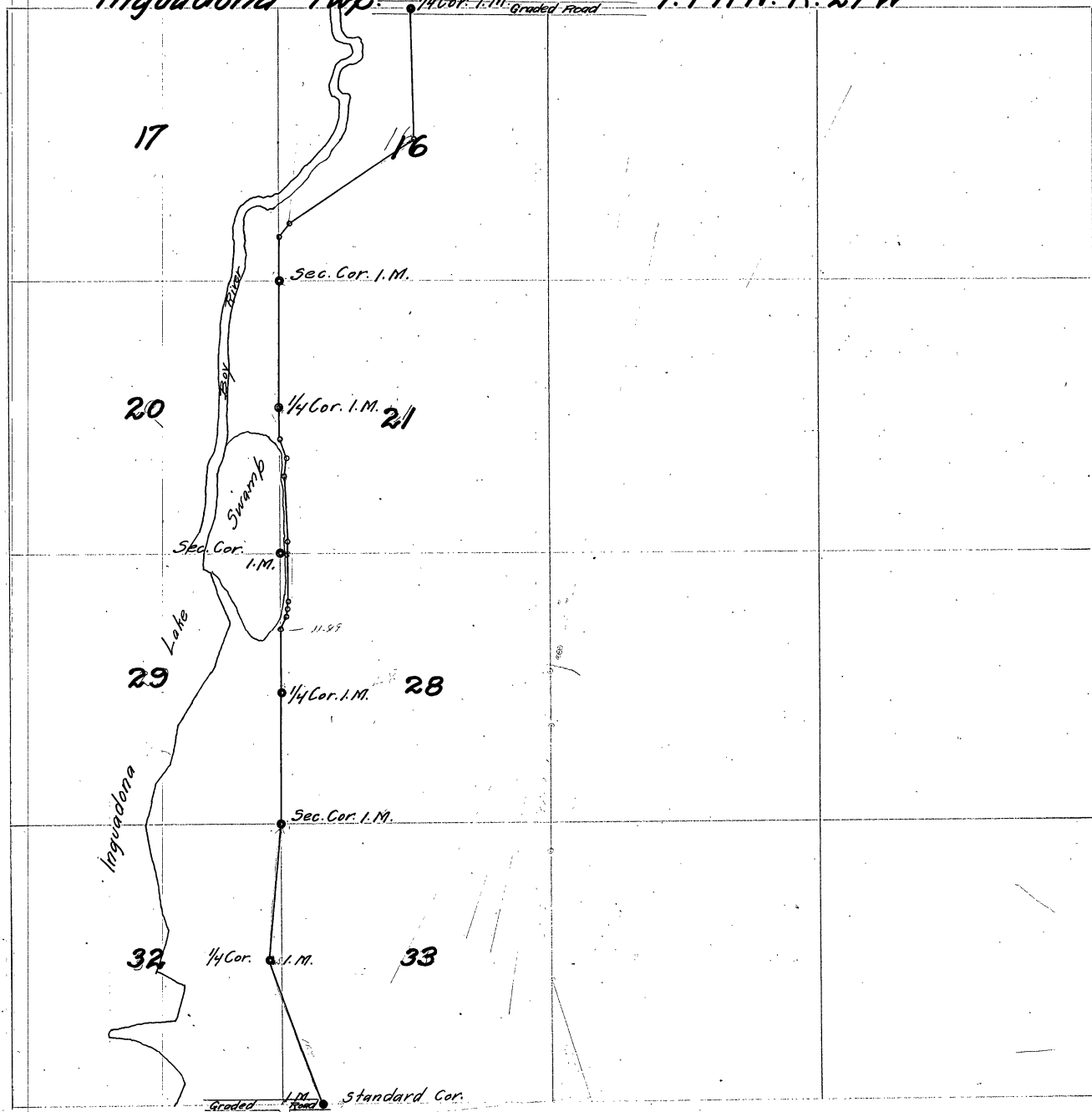
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9

D

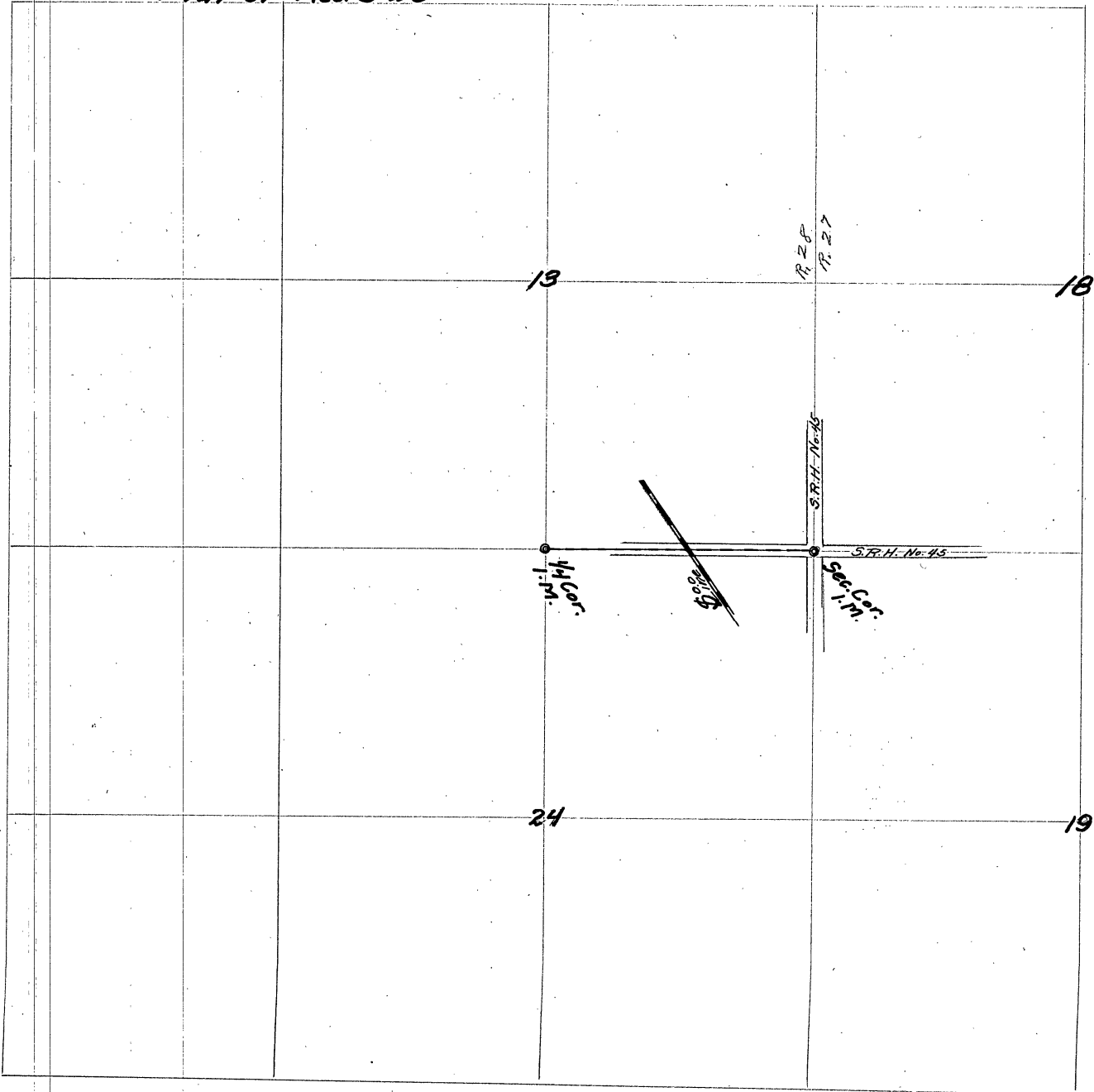
Inquadona Twp.

T. 141 N. R. 27 W



143-28

Plat of Rec. 528



Survey Record No. 528

June 17, 1928.

Weather fine - warm.

J. M. Greene - Transit

Lauris Lindquist

Lindquist Helpers

At the request of Lauris Lindquist, I drive from Hacks to sec. 13, 143-28. We go to the south 1/4 cor. of sec. 13 where Government notes call for:

Run 6" N 32° W 30 links - 19.8'

" 4" S 10° E 9 links - 5.94'

Chaining out from old stake we find stumps of both B.T.s. which check for bearing and distance. Scribe marks are plain, but look like made with knife instead of scribe. As this is quite common and they check out O.K., I set 2 inch iron pipe 2" flush with ground and drive a tamarac stake inside of it, then a 1" galv. iron pipe on top of that, and take R.P. as follows:

about 4" N 10° E 36.1'

" 5" S 15° E 38.7' also drive tam. post 6" - 33' North. Set instrument on hill 390' west of S.E. section corner (Iron Mon.) and sight for tall sight at 1/4 cor. and transit to Sec. 13. For this line measure 60' S even N. Offset South 4.3' and brush out line till I hit 1/4 cor. Stake out 33' road limits North by measuring from true line. True line makes S 15° with Sec. Line of 48.10'

Mileage, Hacks to Sec. 13 - 6.2

" return

	6.2	
Time 1 1/2 days	total	12.40
Time working @ \$7.50 per day		11.25
	Total	\$ 23.65

See it even \$20.00 and get check.

John M. Greene
County Surveyor.

Survey Record No. 529

Survey of brickyard property

Sec. 21-142-21

Feb. 28, 1923

Weather, warm and cloudy

P. 96-97, Book 92

J. M. Greene, Transit, B. & B. #860

W. W. Olsen, Axe and chain

Micky Jude, " " "

16
21

Set up between G.N. & M. & L. in line with 2" pipe set in survey of Sec. 16 and the 1/4 Corner, $\frac{16}{21}$, set at the same time. Distance between the 2 1/2 M's is 716.88 ft.

41.2' = dist from East rail M. & L. to west rail G.N.

35.7' = " " " " " " " " East " " "

6.7' = " between outside of rails

56.77' = " from outside west rail G.N. to 1/2 M. west

776.9' = " " 1/4 Corner to line G.N.

812.7' = " " " " " " line M. & L.

811.85

716.88 + 56.77 + 41.2 = 814.85' to spike in tie east of east rail M. & L. Mag. bearing N. 82° E.

Send Olson out to set picket on shore of Leech Lake about 400' out in bog. He falls in to an air hole so we send him home to change clothes. Mike sets the picket and after making a mark on the rail, I move up. Line intersects Dance Hall at Glengary on south side of south window at edge of glass. 2.587.1' east of 814.85' = nail in foundation of dance hall, and bowling alley on true line between 16 and 21 extended. Crosses o on Fan line at 1723.7'

John M. Greene

March 1, 1923 Weather

P. 98, continuing work on p. 97

same crew

Fine day - sun shining, snow melting

21-22

Set up on Hub B on east side of R.R. of Way, sighted to 2" Capped Pipe, set I think near N. 416 Cor. by Curco, and turned $\times 8^{\circ} 40'$ R.H. to I.P., set I think, by Horst. \times R.H. to hub by Hanson's fence corner across track, 'A'. 473' west rail M. & L. 773' west rail G.N. 150.4' to A.

Moved to point 'A' offset from Corner of Hanson's fence about 16.5' and sighted back to sharp fence post - south - suppose to be on line between 21 and 22 and south of S. R.H. Mag. bearing S. 16° E.

Turned \times L. $68^{\circ} 33'$ S. $89^{\circ} 45'$ E. to old fence straight and in line with hub 'A'. \times L. $113^{\circ} 50'$ N. $50^{\circ} 30'$ E. to Hub C. Note: All magnetic bearings. \times L. $121^{\circ} 00'$ N. $43^{\circ} E.$ " " D. \times L. $45^{\circ} 52'$ S. $62^{\circ} 15'$ E. to Water tank marker. $45^{\circ} 48'$ to check. \times L. $142^{\circ} 54'$ N. $21^{\circ} E.$ to Hub B.

Moved to point on line A-Water tank \times L. $134^{\circ} 34'$ to brushed out random line, run north to L.L. checked \times $134^{\circ} 35'$ N. $16^{\circ} 30'$ W.

1664' N. of Hanson's fence drove hub.

350.5

258.5 = G.N. track.

P. 102, continuing

March 2, 1923

Set up on 'A' and sighted to o same crew Weather fine.

F.P. N.W. 286' - measured from former position.

R.P.s F.P. N.E. 30.4

Angle to Water tank $45^{\circ} 44'$

Found an error in chaining, of 100' between Hub A and track, changing dist. to track to 258.5 and total distance to bank to 1664'. Chaining to Sec. Line on Lake = 170' at 1723.4' from o on east rail of M. & L. West.

1723.4 + 0.3 = dis. to point = 1723.7'

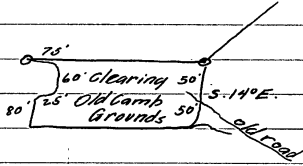
John M. Greene

Set up at intersection of East Random Line and North line of Sec. 21. Angle $97^{\circ}12'$
 Sight west on north line, turn \times N.W. $70^{\circ}49'$ to tank Morris point, turn \times S.E. $162^{\circ}55'$ to tank
 Glengarry. Dist. from o on hill at Sta. 1664 = 170' Total Distance = 1834'

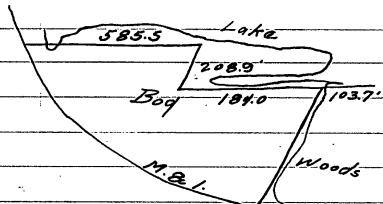
$1664 - 258.5 = 1405.5$
 $\frac{1431.7}{26.2}$ $\frac{1527.9}{26.2}$ $\frac{258.5}{26.2}$
 $\frac{1405.5}{26.2}$ $\frac{1501.7}{26.2}$ $\frac{163.7}{26.2}$

Meander of high bank

Set up on 1664 and \times R. $110^{\circ}22'$ Mag. Bearing $N. 66^{\circ}30' W$



N. $86^{\circ}30' W$.	241.75'	\times L. $28^{\circ}53'$
S. $65^{\circ}00' W$.	93.9'	\times L. $12^{\circ}33'$
S. $52^{\circ}15' W$.	712.6'	\times R. $29^{\circ}46'$
S. $81^{\circ}30' W$.	48.9'	\times L. $10^{\circ}17'$
S. $72^{\circ}00' W$.	129.9'	\times R. $22^{\circ}42'$
N. $85^{\circ}30' W$.	45.8'	\times L. $51^{\circ}44'$
S. $43^{\circ}00' W$.	84.8'	\times R. $44^{\circ}47'$
S. $87^{\circ}45' W$.	182.4'	\times L. $38^{\circ}27'$
S. $49^{\circ}30' W$.	54.4'	\times R. $42^{\circ}35'$



N. $88^{\circ}30' W$. 103.7' o From this point I turned \times L. $86^{\circ}29'$
 S. $5^{\circ}00' W$ 262.9' to N.E. rail M. & L. \times $73^{\circ}20' R$. S. $68^{\circ}30' E$
 along rail.

Back to o \times $0^{\circ}00' R-L$. 184'

Non East line, old brick
 yard road crosses 910' N. of Hansons Cor.

N. $88^{\circ}30' W$.	208.9'	\times R. $95^{\circ}21'$ N. $8^{\circ}00' E$.
		\times L. $107^{\circ}40'$ S. $80^{\circ}15' W$.
		\times R. $72^{\circ}20'$ N. $80^{\circ}15' E$.

1138.2'

Survey Record No. 530.

Survey Notes
 by Herace Dunaway
 for

Sec. 33-144-29

p. 1, Feb. 187. Oct. 25, 1923 Survey of Sec. 33-144-29 Lat. $47^{\circ}15'N$. Long. $94^{\circ}30'W$.

from Secular Change Tables. (U.S.G.S.) Special Publication No. 90 page 12.

Oct. 1873 Declination Hibbing $9^{\circ}25'$ Bagley $12^{\circ}06'$ Mean $10^{\circ}45'E$.

Oct. 1923 Declination Hibbing $7^{\circ}09'$ Bagley $10^{\circ}13'$ Mean $8^{\circ}41'E$.

$10^{\circ}45' - 8^{\circ}41' = 2^{\circ}04'$ Var. used in original Sur. $10^{\circ}35'E$.

$10^{\circ}35' - 2^{\circ}04' = 8^{\circ}31'E$ = Var. to be used now. Note:-

Declination and var. are used

synomously here.

p. 2 Oct. 27, 1923

Found the 12" Cedar B.T. for the S.W. Cor. of Sec. 33-144-29. The tree was down and partially buried in the sand, but the markings were plainly visible and the roots of tree were still in ground.

From this tree I located the point for S.W. Cor. of Sec. 33 and put down a 4" iron pipe imbedded in a concrete block approx. 3 ft. square and 3 ft. deep, marking the section numbers and my name on the top.

From which an 8" Cedar bears $N. 55^{\circ}20'E$. 188 ft.

a 14" Spruce " $N. 31^{\circ}45'W$. 295.4 ft.

Large pyramidal rock 10 ft from shore in lake bears $S. 56^{\circ}50'E$. 122.0 ft.

Both trees are blazed.

Witnesses to this newly reestablished corner were

Mr. & Mrs. W.S. Mascip, Lake Elmo, Minn.

H.H. Zaiser, Federal Dam, Minn.

Frank Getchell, Bemadji, Minn.

Edw. Rawley, Federal Dam, Minn.

L.C. Simons, St. Paul, Minn.

Dr. Erb (state Timber Dept.) Cass Lake, Minn.

John Greene, Co. Surveyor, Walker, Minn.

Horace Dunaway, Elbow Lake, Minn.

p. 3 Oct. 29, 1923 Var. $8^{\circ}30'$ East

At S.W. Cor. sec. 33-144-29, thence East to shore of Leech Lake 185 ft.

At S.W. Cor. Sec. 33-144-29 thence North

150 ft. enter E. edge Birch & Balsam

350 " leave " " " and continue in swamp.

2640 " No trace of 1/4 Cor.

2740 " Leave swamp, enter poplar ridge

3200 " Enter small round swamp

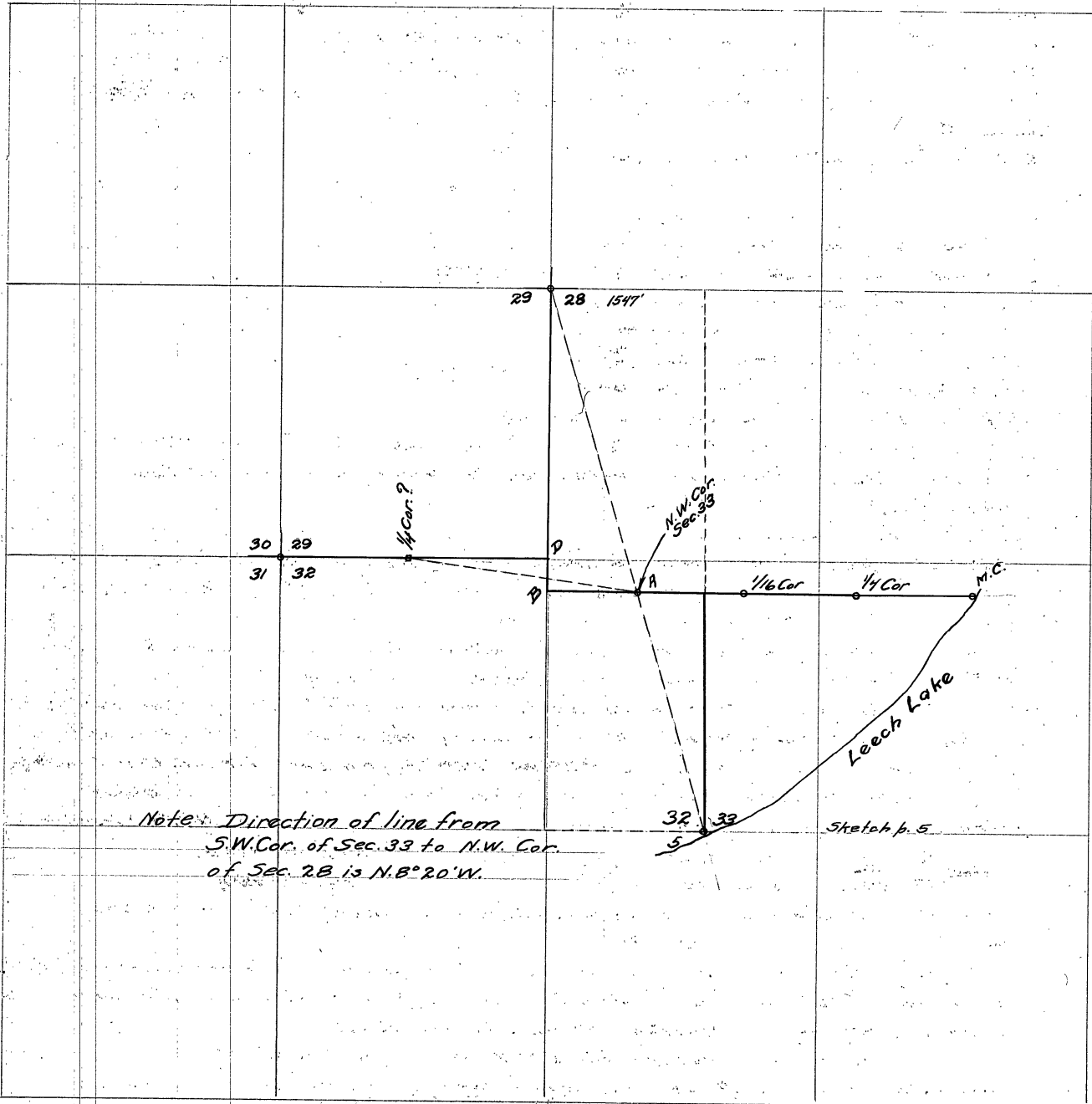
3350 " Leave " " "

3700 " Ascend to Birch & Poplar high ground

4050 " Sucker Bay road 5097 ft., cross line cut E. & W.

5297 " To 2nd line cut E. & W. and call this point Sta. A. Note: No trace of Sec. Cor. or bearing trees, and no tam. trees at all in this vicinity.

D
144-29



Note: Direction of line from
S.W. Cor. of Sec. 33 to N.W. Cor.
of Sec. 28 is N. 8° 20' W.

Sketch p. 5

p.4 Oct. 30, 1923 Var. 8°30'

From Sta. A. (preceding page), ran N. 81°35' W. 1804 feet to a north-south line, cut from N.W. Cor. of Sec. 28 to the south line of the Township, and set Sta. B.

Then I followed North on this line and found a stake at N.W. Cor. of Sec. 28. Witnessed by the two original Bearing Trees, the Birch and the Elm.

Thence I measured along said N.E.S. Line S. 2°45' W. → No trace of 1/4 Cor. at 2640

4721 feet to point called Sta. D.

3009 " to Sta. B.

5274 " " point called Sta. C.

Thence due East 1798' to Sta. A.

p.5 Beginning at Sta. D (see p.4) Thence S. 89°15' W.

2231 feet to some Cruiser's 1/4 Cor. stake

3146 feet " fence Cor. along fence.

3366 feet to fence Cor., leave fence

3965' opposite old barn to North

5575' to point used as Sec. Cor. 30 | 29

Note:- No witness trees with 31 | 32 markings are to be found here.

One large tree with center rotted out is thought to be one of the original B.Ts.

Oct. 31, 1923 Var. 8°30' E.

p.6 Begin at a point 178 ft. South of Sta. A. Thence Az. 275°30' E. 570 ft. = S. 84°30' E.

Thence 180°10' = N. 0°10' E. 2371 ft. to an angle in old cut line. Thence N. 2°40' E. 3038 ft. to pt. marked for 1/4 Cor. on the North side of Sec. 28

Note No indications of any original witness trees and this point is about 100 ft. too far south according to the location of the Northwest Cor. Sec. 28. Also about 375 ft. too far west. From this point I followed an old cut

out line 267°00' = N. 87°00' E. 400 ft. cross logging road. 1278 cross old cut out line N.E.S. Thence 50°29' W. 129 ft. to a post for N.E. Cor. Sec. 28

At this point which is S. 89°50' E. 2296 ft. from the 1/4 Cor. noted above, there are no signs of original witness trees and I do not believe either one of these corners is correct, tho they have been well marked.

p.7 Nov. 1, 1923 Var. 8°30' E.

H. Dunaway

Beginning at Sta. A (see sketch p.5) Thence due West, 550 ft. cross road, 1675 ft. cross old blazed line

1798 ft. to Gatchell line at Sta. C. 264 ft. south of Sta. B. and 533 ft. south of Sta. D.

At a point 773 ft. due west of Sta. A, I drove a 1 1/2" iron pipe and marked bearing trees to re-establish the N.W. Cor. of Sec. 33.

This point is on a straight line between the SW. Cor. of Sec. 33 and N.W. Cor. of Sec. 28 and half way between these two known corners.

(See Note and sketch page 5 - B.T. Fablar bears N.W. 16.5 ft
B.T. " " S.W. 29.6 "
B.T. " " S.E. 24.8 "
B.T. " " N.E. 26.9 "

All 4 trees Blazed and marked with a cross X (No nails)

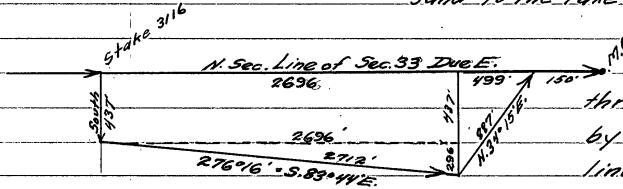
North line of Sec. 33

Beginning at N.W. Cor. of Sec. 33 as now reestablished.

Thence - (See next page)

p. 8 Thence due East 773 ft. Sta. A.

- 1183 " Enter narrow neck of swamp.
- 1283 " Leave " " " "
- 1343 " cross a N.E.S. cut out line
- 2663 " Bottom of ravine running South
- 3116 " Stake in east edge of logging road.
- 3300 " Approx. end of cutting by logging Co.
- 3700 " Beginning of Swamp
- 6461 " to Point for Meander Corner. It is 110 ft. further across the sand to the lake shore (low water, Leach Lake)



From stake at 3116 ft. I ran the line through to the Lake and to the M.C. as indicated by the arrows heads in the sketch, as this line was already cut out, and later ran ahead far enough ahead on Sec. Line to set the 1/4 Cor.

p. 9 After getting the distance from the N.W. Cor. of Sec. 33, due East to the M.C.

at Leach Lake, I set marks for subdivision Corners as follows:-
 proportioning the distances to correspond with distances as given in the Original Survey Notes.
 Beginning at the N.W. Cor. of Sec. 33 or the Cor. for Secs 28-29-32-33, Thence due East 2067 ft. set iron stake for 1/16 Cor. a 12" Maple bears S. 2°00' E. 26.34 ft.
 6" " " N.W. 15.2 ft.
 Both trees marked with a cross & Nail

4134 ft. set iron stake for 1/4 cor. between Sec. 28 & 33.

a 6" Poplar bears S.W. 4.7 ft.
 6" " " N.W. 12.5 ft.

Both trees blazed and marked with nail in cross X

6461 ft. set stake for M.C. (wood) 18" Tamarack stub S. 55° E. 17 ft

16" Cedar N. 55° W. 56 ft.

Trees are dry. Trees blazed

and marked with nails

State of Minnesota } S.S.
 County of Grant

Horace Dunaway, being first duly sworn, says that he is now and during the last past twenty years has been a Civil Engineer and Surveyor; that between the 25th day of Oct. 1923 and the 9th day of Nov. 1923, he made a survey of the following described land:- Sec. No. 33, T. 144 N. R. 29 W. of the 5th P.M. in Cass Co. Minn. That at the time of making such survey he made field notes and memoranda thereof and that the foregoing field notes, is a true and correct copy of such survey and survey so made at that time, and that the same is a full, true and correct statement and copy of said field notes and survey so made. That permanent monuments were set on the ground as shown in the field notes

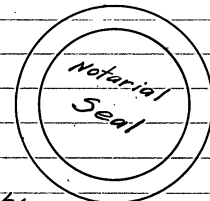
signed Horace Dunaway

Subscribed and sworn to before me this 5th day of December 1923.

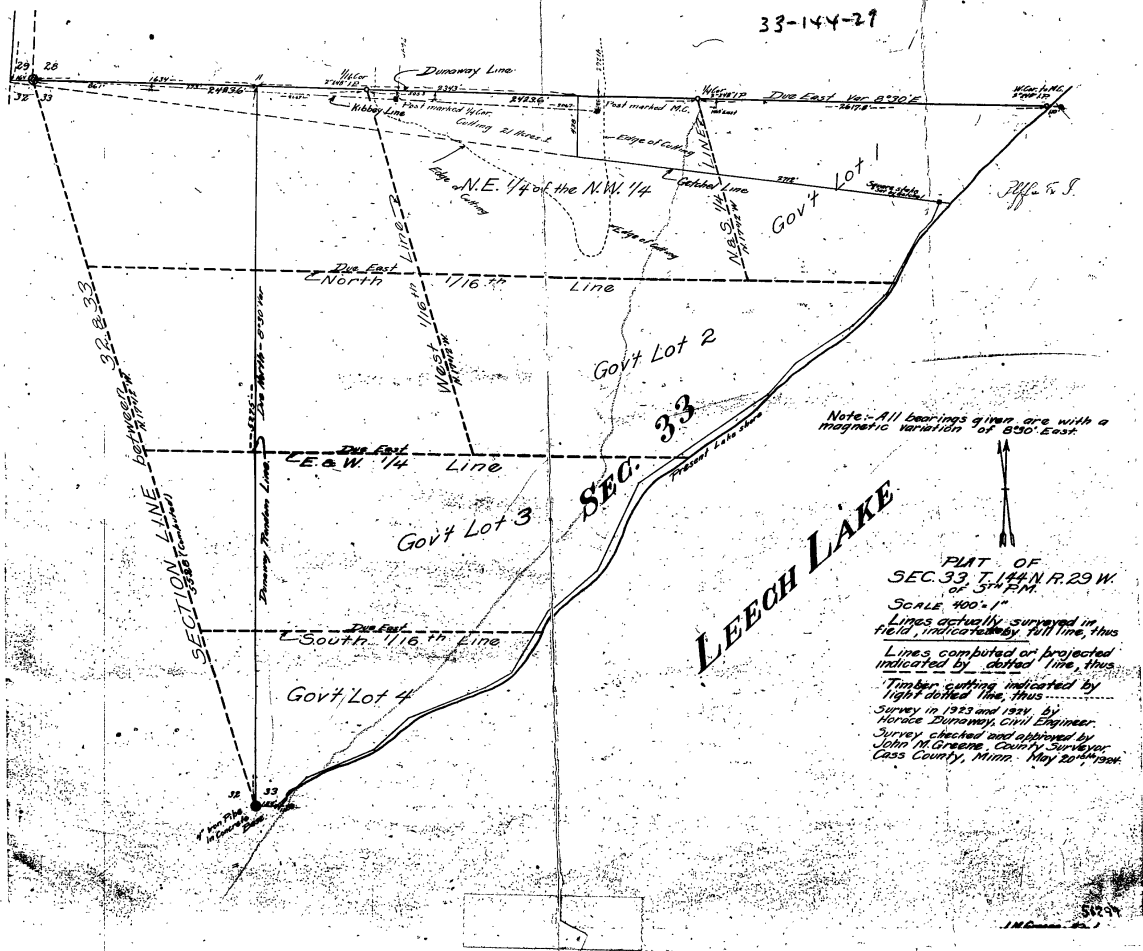
signed E.J. Scofield ^{Printed} E.J. Scofield

Notary Public, Grant Co., Minn.

My commission expires May 17, 1925.



Recorded Dec. 12, 1923 by John M. Greene, County Surveyor.



476 - page 163 - Minnesota Reports.

Must be Webster Lbr Co
lawsuit

Plat. Record # 531

Scale 50' = 1"



Sec. 2
141-29

\$1.50

W. 1/4 Cor. on E. & W. 1/4 Line

Sta. 211430

Sta. 211430

Sta. 161572

Sta. 151347

Dead Well
Cedar 50'

Sta. 141446

Power Dam

Sta. 10183

Cranberry bog

1/4 Cor. Con. S.W. 1/4

Sta. 8183

Sta. 6195

Sta. 5157

Sta. 3150

Road runs on or near N. & S. 1/2 line thru S.W. 1/4, Sec. 2

T.H. #34

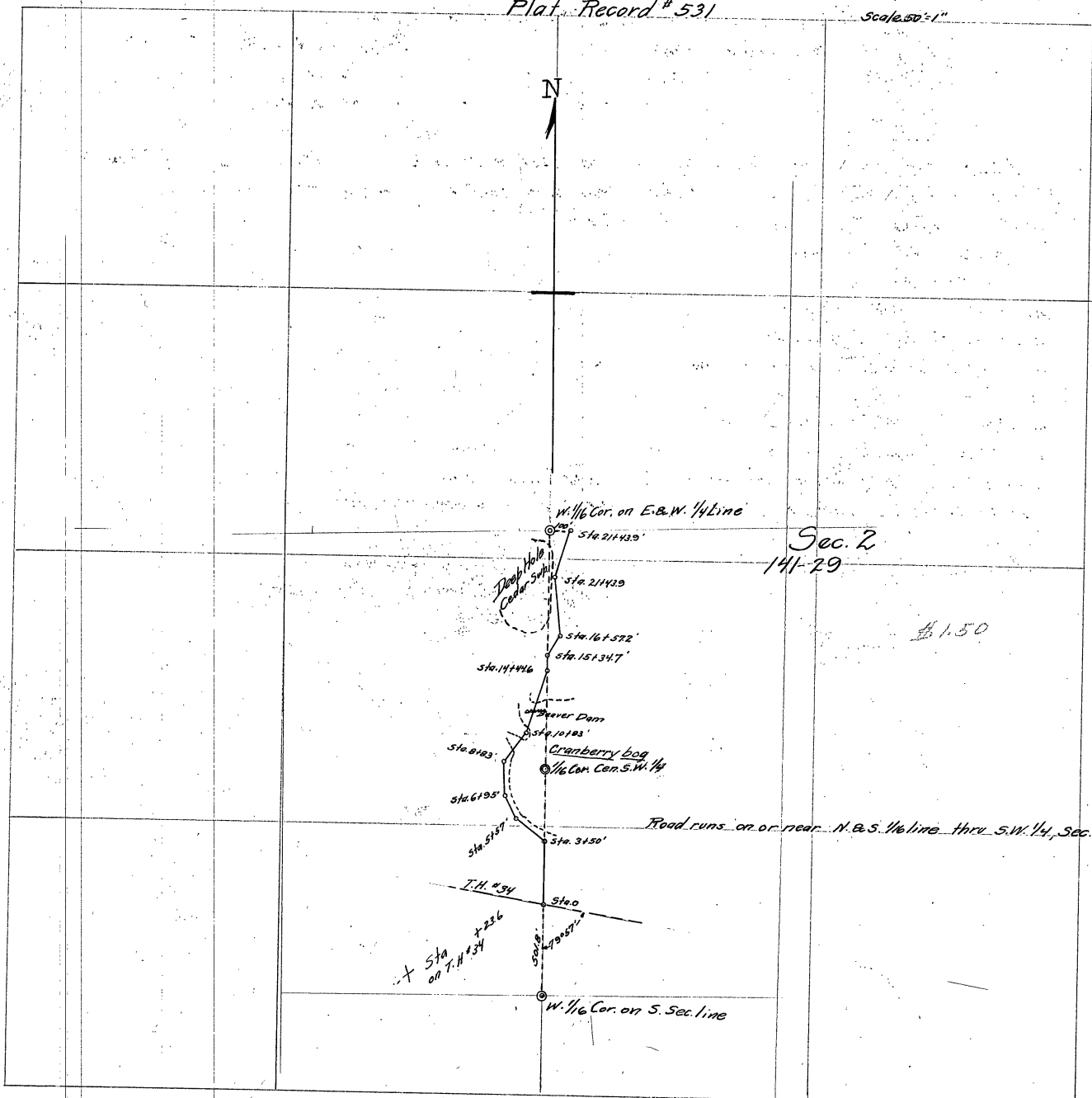
Sta. 0

Sta. 8

Sta. 19057

W. 1/4 Cor. on S. Sec. line

+ Sta. on T.H. #34
+ 236



SURVEY RECORD # 531

Survey of County Road - to Pleasant View Lodge on
Leech Lake May 13 & 15, 1924

Sec. 2, T.141 N. R. 29 W. of 5th P.M.

May 13 - Weather - Rainy

John M. Greene, Transit

May 15 - " - Clear

W¹²² Jude

George Revere

11c & chain

Point of beginning, intersection of North & South 1/6 line, S.W. 1/4, Sec. 2 with
Trunk Highway #34 as staked out, 501.8' North of West 1/6 Corner, thence

N. 0° 14' E. along 1/6 line, 350 feet; thence

N. 51° 32' W. 207; thence

N. 26° 25' W. 138; thence

N. 2° 08' W. 188; thence

N. 36° 48' E. 200; thence

N. 18° 30' E. 361.6; thence along 1/6 line

N. 0° 14' E. 90.1; thence

N. 30° 24' E. 122.5; thence

N. 5° 18' W. 267.8; thence

N. 17° 40' E. 218.9 connecting with Forest View Road

Tie: - W. 1/6 Corner on East & West 1/4 line is S. 89° 57' W, 100'

#50.30

John M. Greene
County Surveyor
Dated

Survey Record # 532

Report on the Survey and Location of the "REMUS"
Road in Township of Torrey (143-25), Cass County, Minn.

June 26, 1924.

Beginning at the South East Corner of Section 32, in said Town, which I placed on June 23, 1922 to wit: - from original, Spruce (stump) N. 80 E. 14 links "anchored" iron flue pipe 44" by 1 1/4", then made the following bearings to wit: - White Birch 12 S. 84 E. 27 Ft.

Aspen 7 N. 81 W. 40 Ft.

marked "End of County Road Running South," same properly; then from this corner ran random line north as follows: -

At 125 ft. enter burned swamp, at 375 ft. lve. swamp, enter burned timber, at 1320 ft. set temporary 16th corner, at 2606 ft. quarter - post for 32 - 33 said Town which was: - Birch 8 N. 80 E. 17 Lks. Birch 8 S. 39 W. 11 Lks.

Now is: - Birch 8 N. 80 E. 11'22" ft., as the post will be situate in the wagon track of an old road, I set it about 2 ft. east, and for witnesses we placed two cedar posts 7 ft. long and 6" by 6", and 2 ft. in the ground at right angles with the south true line - one east of the location of the 1/4 post and marked, with a scribing instrument "1/4 S. 33 33 feet, and the other west of the qu 1/4 post and marked "1/4 S. 32 33 ft.", then continued on north, at 3960 ft. temp. 16th.

at 5247 ft. corner for sections 28, 29, 32 & 33 said Town which was: -

Birch 8 N. 61 E. 18 lks.

" 10 N. 11 W. 14 lks.

Balsam 8 S. 22 W. 20 lks.

Sugar Mple 8 S. 58 E. 13 lks.

Now is: - the two Birch and maple, put down iron monument with earth mound around same and, as the road center is located about 33 ft. S.W. of the said monument said trees will not be molested in construction of this road; therefore did not establish new bearings; Then line west at 1320 ft. Temp. 16th. at 2640 ft. (in creek) made exhaustive search for 1/4 S. 29-32 which was -

Cedar 12 S. 9 5 lks.

" 14 N. 28 W. 15 lks.

not finding same continued line on west, at 5275 ft. wire fence then north two & half degrees. west to section - 50 ft. - corner for 29, 30, 31, 32 said Town which was: Tam. 8 S. 69 E. 4 lks.

" 6 S. 82 W. 7 lks.

" 10 N. 43 W. 10 lks.

Cedar 3 N. 29 E. 30 lks.

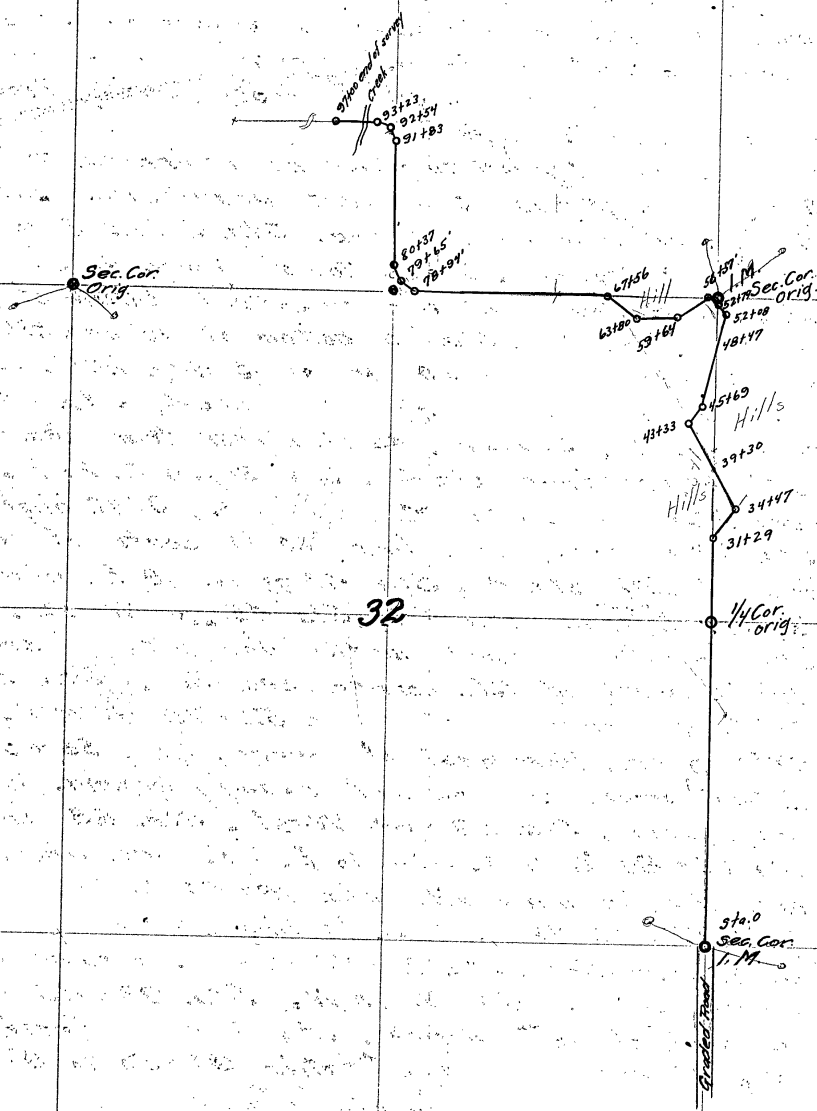
Now is: - the two tamaracks first mentioned (stubs) marks plain; put down cedar post 6 by 6 properly marked, and the section is 5280 (north line of 32) in length - went back to the 2640 Temp. 1/4 S. and set same 25 ft. north for true Quarter - Post said

Plat of Rec. 532

30 T.143 N. R. 25 W. Torrey Twp. 29 28

31 32 33

5 4



sections 29-32 witness for post to wit:-

Black Ash 5N. 43 W. 34'5" ft.
" " 4S. 19 W. 18 ft.

Then north 1347 ft. to a post alleged to have been placed by E. B. Horst some 5 yrs. since for Richard Remas, and as the angles and distances - where I measured - pans out favorably - I took this post for the N.E. corner of the S.E. $\frac{1}{4}$ S.W. $\frac{1}{4}$ said sect. 29, then west to bridg across Skelly Brook, this distance will be shown by stations.

Then returned to place of beginning which is Station 0 then:- Sta. 1 plus 50 culvert drain ditch S.E. 90 ft. 35 yds. to take water from small swamp, Sta. 2 and 3 in swamp, Sta. 4 foot of 10 deg. hill, Sta. 6 top of 10 deg. hill, Sta. 7 foot of 20 deg. hill, Sta. 8 top of 20 deg. hill, Sta. 11 bottom of 8 deg. hill, Sta. 13 top of 15 deg. hill, Sta. 15 bottom of 15 deg. hill, Sta. 17 $\frac{1}{2}$ top of 18 deg. hill, Sta. 20 top of 5 deg. hill, Sta. 21 plus 50' top of 25 deg. hill - 65 ft. higher than sta. 4, Sta. 24, 30 ft. higher than sta. 4, Sta. 26, 45 ft. higher than sta. 4, Sta. 29-30, 15 ft. higher than sta. 4, Sta. 31/29 N. 21 E. (detour around very high hill), Sta. 34/47 N. 30 W., 37 ft. higher than sta. 4, Sta. 39/30 cross sec. line 60 ft. south of 16th cor., Sta. 38 is level with sta. 4, Sta. 43/33 N. 19 E. high hill east and is 28 ft. ^{higher} than sta. 4, Sta. 45/69 N. 10 E. to sec. line, Sta. 48+47 intersect section line between sections 32-33 451 ft. south of N.E. corner sec. 32, Sta. 52+.08 N. 20 W., 90' S. of corner, 71 ft., Sta. 52+79 N. 70 W. 71 ft. to a point 90' ft. on sec. line west of corner, Sta. 56+57 S. 60 W. detour around hill and wet swampy ground, Sta. 57+15 ravine and culvert, Sta. 59+64 West, Sta. 63 small culvert, Sta. 63+80 N. 71 W. 376' to E. & W. sec. line, Sta. 67+56 int. sec. line, in old road, Sta. 78+94 N. 71 W. 72 ft., Sta. 79+65 N. 20 W. 72 ft. to N. & S. $\frac{1}{4}$ line sec. 29, Sta. 80+37 north on quarter-line, Sta. 91+83 N. 20 W. a point 90 ft. south of 16th corner, Sta. 92+54 N. 70 W., Sta. 93+23 intersect 16th line 90' west of 16th corner, Sta. 95+30 Creek 3' wide, culvert, Sta. 97 end of survey. Station 90+50 to 97 is meadow land.

= Roads Crossed =

Sta. 6+25 old road east and west, Sta. 20+.08 old road east and west, Sta. 26+.06 old road N.E., S.W., Sta. 38 side of old road, Sta. 41+55 old road east and west, Sta. 49+36 old road east and west, Sta. 55+90 old road east and west, Sta. 67+56 old road N.W. & S.E., Sta. 79+80 logging road N. & S., Sta. 90 road east and west
(NOTE) Estimated cost of clearing and grubbing omitted).

Survey began June 26, 1924 and ended July 10, 1924.

J. H. Flynn,
Surveyor, Remer, Cass Co., Minn.

Survey Record # 533.

July 1, 1924. T 140 N. R 29 W. Ben F. Clark, Surveyor.

Dave Hardy, Dewey Hardy, Morris Kuckow, — Rodgers.

Began at the M.C. on the west bank of Blackwater lake.

bet. Sec. 26 Sec. 35 the U.S. corner a pine stump B.T. and M.C. and ran west θ $6^{\circ}15'$. At 1280 set a point thence beginning at θ and ran west on same line θ $6^{\circ}15'$. At 2640 set a point in a clover field.

July 2, 1924.

At 5254 set a point for the corner Sec. ²⁸ 26, 27, 33, 34. Thence began at θ and on west on the same line θ $6^{\circ}15'$. At 2625.3 found a Norway pine stump about 12" marked B.T. course N. 60 East 13.2'. South of post 10.5' at a right angle, thence set sand point 3.5' long. The total distance from the U.S. government M.C. on the west bank of Blackwater lake to the $\frac{1}{4}$ s, a U.S. corner between Sec. 28 and 33 tapes out 9159.5 feet.

July 3, 1924.

Turn a right angle and run north on a random $\frac{1}{4}$ s line in the center of Sec. 28. At 1320 set a point. At 1457 wagon road run N.W. by S.E. At 2640 set a point. At 3960 set a point.

July 7, 1924.

Began at point 3960 on the $\frac{1}{4}$ s line N.S. through the middle of section 28 T 140 N R 29 W and on north on same line. At 5241.1 ft. the $\frac{1}{4}$ s bet. Sec. 28 & 21. The corner good, a Norway pine 12", North and East with a wooden post and I was East of post 60 feet.

Surveyed by Ben Clark

Deputy County Surveyor, Cass Co.

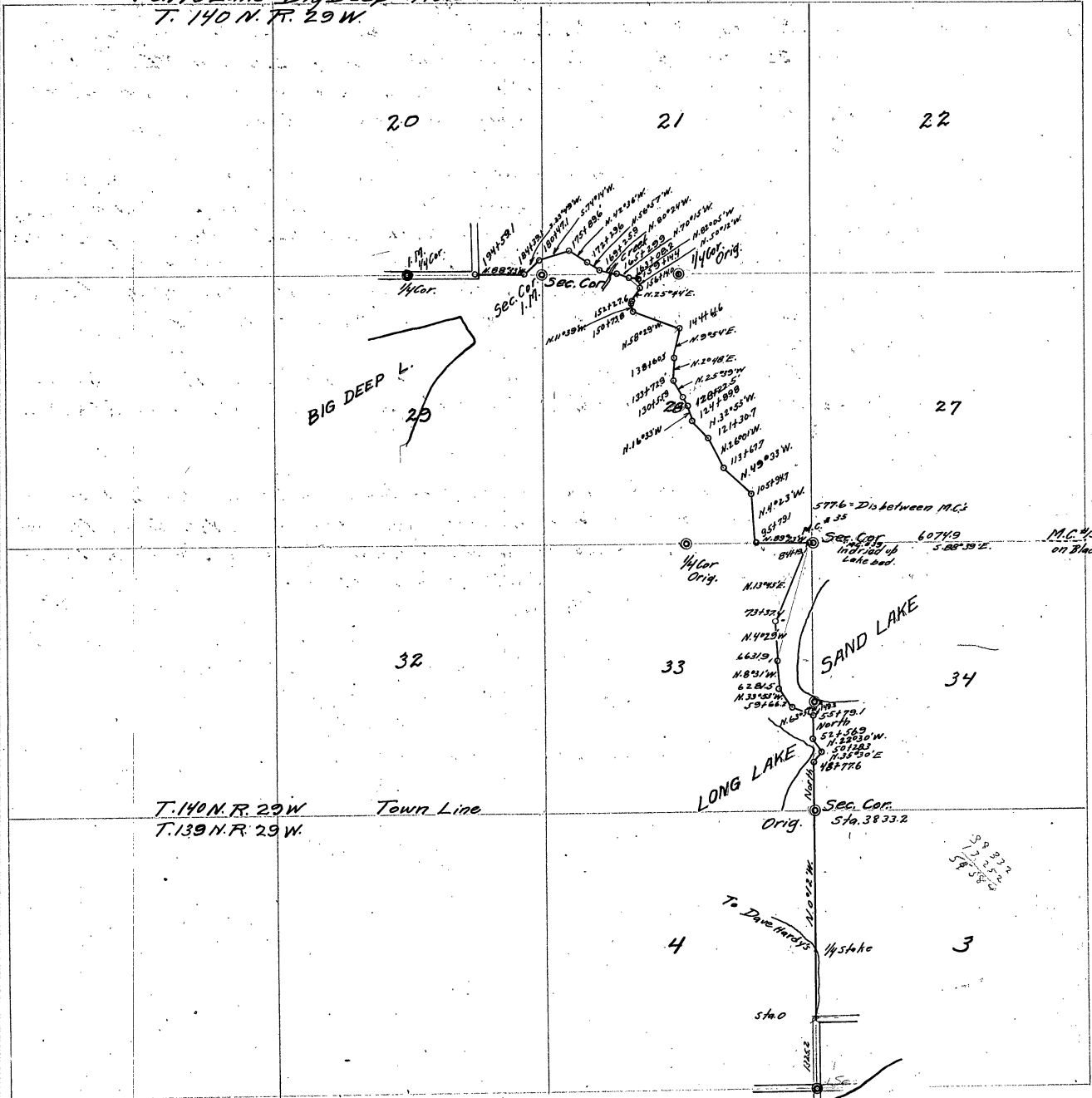
Accepted and approved by John M. Greene, County Surveyor, Cass Co.

Recorded 1924, John M. Greene

Angles and distances on plot by John M. Greene A.D. 1924

Plat of Survey Record
No. 533

Ponto Lake - Big Deep Road
T. 140 N. R. 29 W.



T. 140 N. R. 29 W
T. 139 N. R. 29 W
Town Line

Sec. Cor.
Orig.
574.38332

To Daneford's
1/4 Stake
540

PONTO L.

3.9 3.2
3.7 3.2
3.8 3.5

M.C. #3
on Blackwater

577.6' Dis between M.C.
M.C. # 35

1/4 Cor.
Orig.

33

34

32

27

20

21

22

BIG DEEP L.
23

SAND LAKE

LONG LAKE

4

3

Record #534

Barger Transit
100' steel tape

Nov. 1921

Survey for Hogan - Sec. 30-139-29

Nov. 1921 Greene - Transit
Martin - Axe
Miller - Axe

p.52 South Section Line Set up on Jack Curo's Random line, as recorded in Record B No. 285, field book #199, 0.5' North of tack in birch stump. Set substantial oak hub Sta. 7401.25' Lined by sighting to sta. 9575.5 a point 16.2' North of M.C. #32. Traverse north from Sta. 7409.25, & 90°08' L. from back azimuth.

Drake survey #53

Moved to sta. 9575.5, 16.2' North of M.C. #32 and continued Curo's Random line west, backsighting to Sta. 7401.5, Sta. 9693.5, tack in 4" Nor. stp., Sta. 10919.3 Random Hub 39.7' North of Sec. Cor. S.W. B.T. still plain, other trees down and marks obliterated.

Drove 2" x 36" Boiler Flue and marked New B.T.'s as follows:

old B.T.'s call for
Tack 16" N. 76° E. 7
" 15" N. 30° W. 35
" 14" S. 27° W. 40
" 16" S. 58° E. 32

S.W. Cor. Sec. 30-139-29

Birch 4" S. 45° W. (mag.) 181'

" 4" N. 70° W. " 151'

p.53

Computations

Jack Fire S. 70° E " 117

Sta. 9575.5	7401.25	1225.8	10919.3	39.7	offset at S.W. Cor. Sec. 30
78.0	77.5	118.0	9575.5	16.2	" " M.C. #32
40.0	7409.25	1343.8	1343.8	23.5	
Sta. 9693.5	1343.8	57.183	4 Coten 1°00'	1222.25	57.183
1225.8	23.5	21.4		2287.3	614
Sta. 10919.3		57.183	1222.25	3510.55	2287.32
7409.25		1143.66			57.183
3510.0	10919.3	790.90			3430.98
	2287.3	57.183			35100362
	8632.0	219070			
	7409.25				
	1222.25				

John M. Greene

p.54 J.M. Greene - Transit and head chain

Geo. Martin - Rear chain

Continued traverse North from Sta. 7409.25' N. 82° E. (Magnetic). All other bearings given from this

0°00'	77.6	N. 82° E.	along S.W. Cor. + M.C. #32 extended = Sta. 7409.25
90°07'	246.2	N. 8°07' W	
90°08' L.	246	N. 8°08' W	
43°47'	258.3	N. 51°54' W	
43°46' L.	258.4	N. 51°54' W	
28°13'	100	N. 80°07' W	
28°14' L.	100	N. 80°08' W	
17°46'	105.85	N. 62°21' W	
17°47' R.	106.2	N. 62°21' W	
76°03'	152.2	N. 13°42' E	
76°03' R.	152.2	N. 13°42' E	
9°59'	133.9	N. 3°43' E	
10°00' L.	134	N. 3°42' E	
38°28'		N. 42°11' E	
38°27' R.	100	N. 42°09' E	
22°47'	100.1	N. 64°58' E	
22°46' R.	100	N. 64°55' E	
26°00'		N. 38°58' E	
26°01' L.	100	N. 38°54' E	
14°21'		N. 53°19' E	
14°20' R.	70	N. 53°14' E	
30°27'	100.1	N. 22°52' E	
30°26' L.	100	N. 22°48' E	
30°53'	100.1	N. 8°01' W	
30°52' L.	100	N. 8°04' W	
38°24'	199.9	N. 30°23' E	
38°22' R.	200	N. 30°18' E	
17°36'	915.0	N. 12°47' E	
17°33' L.	916.0	N. 12°45' E	
12°39'	199.95	N. 25°26' E	
12°36' R.	200	N. 25°21' E	
12°52'	290.1	N. 38°18' E	
12°50' R.	290	N. 38°11' E	
63°07'	82.1	N. 24°49' W	
63°06' L.	82.15	N. 24°57' W	
73°31'		S. 81°40' W	
73°32' L.	175.6	S. 81°31' W	along E. & W. 1/4 Line to Sta. 4395.6' from W. 1/4 Cor.

page 55
Sketch of foregoing
(omitted)

Note: Figures above are the re-checked angles and distances.

John M. Greene

p. 56 Beginning at hub 3320 on true E. & W. Line and sighting to hub on true 1/4 line on West side of Lake Hattie, we prolong line East to Sta. 4220 on true E. & W. 1/4 line.

East

N. 85° 16' E. Var. 7° 30' 580' Hub

N. 87° 35' E. 312' "

S. 56° 08' E. 678' "

North ? 304' "

p. 58 Sta. 0 = 7409.2 on Curo's Freedom Line on south side of Sec. 30 - 139-29 Porto Lake Twp. Bearing

p. 59 N. 82° E. True line makes an angle of 1° 00' to the the North, bearing N. 81° E. and is 21.4' North of Sta. 7409.2. Sta. 0 to Sta. 1 is 246.2' so 1, bearing N. 8° 07' W. & with F. Line 90° 07' L., figure that

Sta. 0 is moved North 21.4', making distance, 224.8' from Sta. 0 on T. Line.

Dis	Bearing	Log. dis.	Log. cosine	Log. sine	North	South	East	West	Lat.	Dep.
72.55	N. 81° 00' E.	1.850637							0.00.0	0.0.0
224.8	N. 8° 07' W.	2.351796	9.995628	9.149802	222.5			31.7	222.5	-31.7
258.3	N. 51° 54' W.	2.412124	9.790310	9.895939	159.4			203.3	381.9	-235.0
100.0	N. 80° 07' W.	—			17.2			98.5	399.1	-333.5
105.9	N. 62° 21' W.	2.024896	9.666583	9.947335	49.1			93.8	448.2	-427.3
152.2	N. 13° 42' E.	2.182415	9.987465	9.374452	147.9		36.0		596.1	-391.3
133.9	N. 3° 43' E.	2.126781	9.999086	8.811726	133.6		8.7		729.7	-382.6
100	N. 42° 11' E.	—			74.1		67.2		803.8	-315.4
100.1	N. 64° 58' E.	2.000434	9.626490	9.957158	42.4		90.7		846.2	-224.7
100	N. 38° 38' E.	—			72.8		62.9		924.0	-161.8
70	N. 53° 19' E.	1.845099	9.776259	9.904147	41.8		56.1		965.8	-105.7
100.1	N. 22° 52' E.	2.000434	9.964454	9.589489	92.2		38.9		1058.0	-66.8
100.1	N. 8° 01' W.	2.000434	9.995735	9.144453	99.1		13.9		1157.1	-80.7
199.9	N. 30° 23' E.	2.300813	9.935840	9.703964	172.4		101.1		1329.5	+20.4
915.0	N. 12° 47' E.	2.961421	9.989100	9.344312	892.4		202.4		2221.9	+222.8
199.9	N. 25° 26' E.	2.300813	9.955729	9.632922	180.5		85.8		2402.4	+308.6
290.1	N. 38° 18' E.	2.462548	9.894746	9.792237	227.7		179.8		2630.1	+488.4
82.1	N. 24° 49' W.	1.914343	9.957921	9.622956	74.5		34.5		2704.6	+453.9
175.6	S. 81° 40' W.	2.244525 to Sta. 4395.6 east of W. 1/4 Cor.								

2704.6 -1 98760 -3 2704.6
 15643 -1 2704.6 -1
 81138 352617
 108184 395076
 162176 6973830
 135230 197532
 27046 2671306374
 423080578

15643 -1 98769 -3 1/4 line bears N. 81° 40' E.
 4539 -3 453.9 -3 1/16 " " " N. 81° 20' E.
 140787 888921 Sec. " " " N. 81° 00' E.
 46927 296307
 78215 493845
 62572 395076
 71003577 448372491

2671.3 423.1 1249.2 2" X 4" X 20" Hub N. 81° 20' E. 93.83' on Lake shore
 71.0 448.3 376.6 2" X 4" X 20" " S. 81° 20' E. 314.78' " " " shore
 2600.3 871.4 872.6
 2601.8

At o half way between south Section line and 1/4 line, 1/16 line bears N. 81° 20' E.

John M. Greene Deputy County Surveyor

July 19, 1924 Hogan, Martin, Greene check dis. N. & S. 8° 30' Var. fence sets 1310.5 ft. S. of 1/4 Line and 5 1/2 ft. south of computed line John M. Greene Co. Surveyor

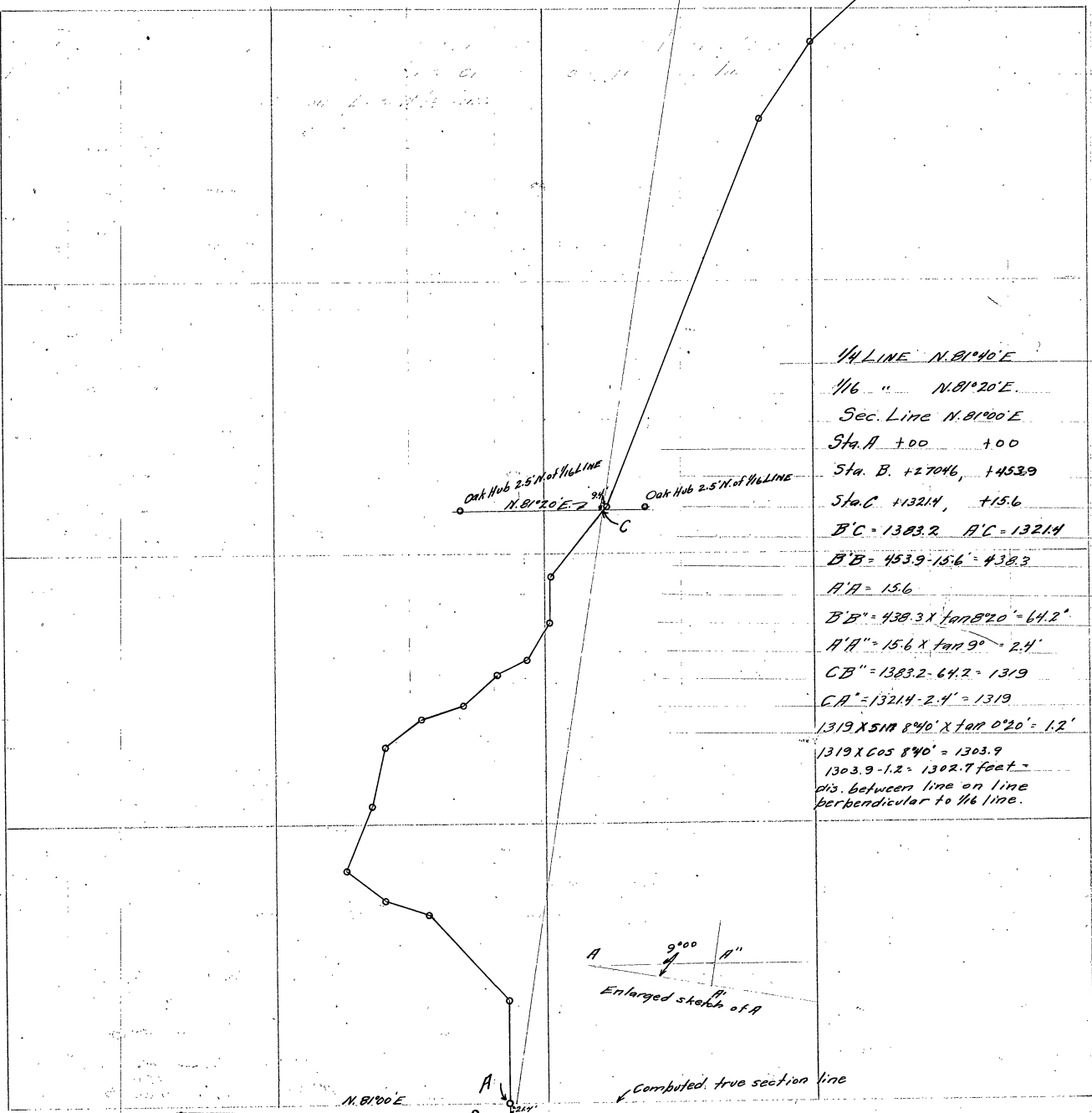
Recorded by John M. Greene

D

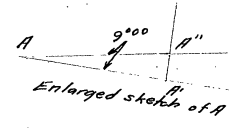
Assumed to be Sta.
4995.6 on 1/4 Line - Newark

N. 81°40' E

Newark's E. B. W. Line



1/4 LINE N. 81°40' E
 1/16 " N. 81°20' E
 Sec. Line N. 81°00' E
 Sta. A +00 +00
 Sta. B. +27046 +45389
 Sta. C. +13214 +15.6
 B'C = 1383.2 AC = 13214
 B'B = 453.9 - 15.6 = 438.3
 A'A = 15.6
 B'B'' = 438.3 x tan 8°20' = 64.2'
 A'A'' = 15.6 x tan 9° = 2.4'
 C'B'' = 1383.2 - 64.2 = 1319
 C'A'' = 13214 - 2.4 = 1319
 1319 x sin 8°40' x tan 0°20' = 1.2'
 1319 x cos 8°40' = 1303.9
 1303.9 - 1.2 = 1302.7 feet =
 dis. between line on line
 perpendicular to 1/16 line.



Computed true section line

Cross Random Line

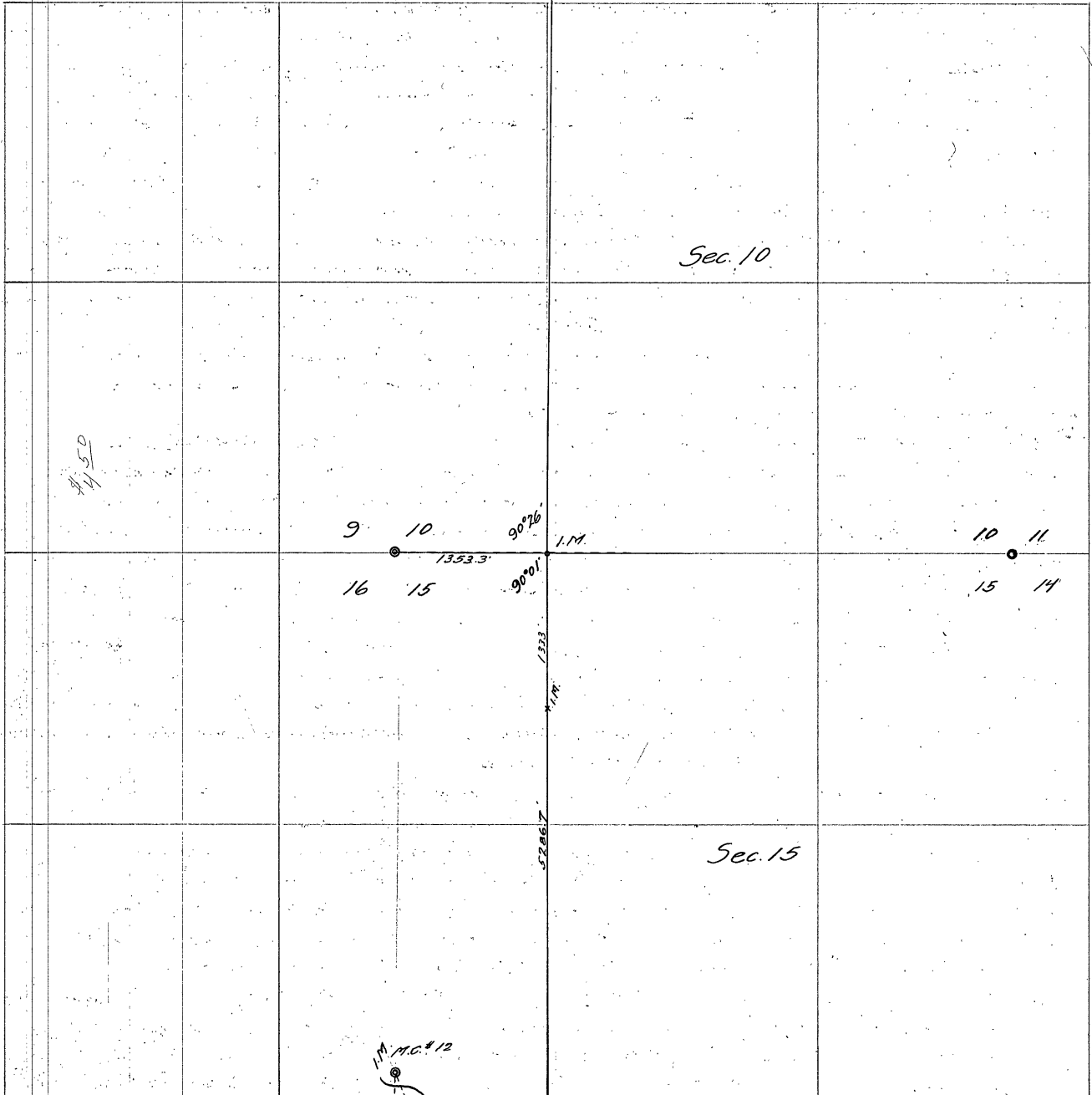
N. 81°00' E
N. 82°00' E

Sta. 7409.2
7481.75

S.W. Cor. 3466.9 west
5191 south of Sta. A

Survey 17 10-15-22

450



4 M.C. # 3

3 2 M.C. # 1

9 10

10 11

9 10

10 11

16 15

15 14

M.C. # 12

Booth Line

M.C. # 10

Sec. 10

Sec. 15

21

15

22

Surrey Record #535

Book 158 p. 87-88

Road Line on West 1/16 line of Secs 10 & 15 T. 138 N. R. 30 W.

Aug 4-1924 A.M. Copy notes and go to Mildred. See Bonick about stopping there, but he is not very anxious to keep anybody. Go to Rob Rice's place in Sec. 15. Eat lunch there, and Rob and I make the rounds of Sec. 10.

We look for M.C. #1 & 2, no trace. Go to corner 10-11-14-15, in road. Three B.T.s stps left. Set stake and blaze 2 trees as follows: - ^{N. Pipe 11" N60°E 52.5'} B. " " " " N. 45°E 48.7' and corner of west fence is 13.1'. Mr. Geo. Johnson says he will set a well point for corner. We then take the road North to N.E. Cor. Sec. 10 where there is iron pipe and B.T.s - See Record #524. Go to N.W. Cor. but do not find anything of an iron pipe called for in Record #524. Go back to near W. 1/16 Cor. on North line of Sec. 10 and go south one mile along approximate road location to iron pin set for 1/16 Cor. on south line, I do not know by whom. As the West line of this section and of Sec. 15 have been run, I make up my mind to drive back to Walker and make a further search for notes. R.A. Rice will bring two men to N.W. Cor. Section 10 and meet me at 8:15 A.M. Aug. 5. Drive to Walker and make thorough search, but find none of the notes, I am looking for.

Aug. 5-1924 Arrive on job at 8:10 A.M. R.A. Rice, Adolph Peterson, Dan Rice waiting for me. Dan starts digging for iron pin 1" x 2" and Adolph and Rob take 100' steel tape and plumb bob and chain west from corner 1 mile East. We dig up big space but find no corner. Rec. 524 says that Ed. Gilberg of Backus assisted, so I take car and drive to town, but find that he is in Dakota. Farmer near by says he never saw iron pin but thinks corner of fence sets about 1 rod East and about 25' north. Dig over again and deeper. Length of North line of Section 10 by Peterson and Rice's chaining is 5250'. Length of each 1/4 mile is 1312.5'. Set iron pipe on line and ran south to flag on W. 1/16 Corner on South line. Set pickets but did not chain. Quit for lunch. started to run for shelter from rain. 3 P.M. quit rain. Went to R.A. Rice's. Crew gone home. All night at Backus. Read & at N. 1/16 Cor. 89°41' S.W. &

Aug 6. Same crew. Continued. Picketed through to Corner (1/16) south. Ran 1/2 west to Cor. 9-10-15-16. Stake in mound N.E. & 89°34' Dis. 1353.3'. Ran south to flag on 1/16 Cor. 1/4 mile south, S.W. & 90°01' Dis. 1333' to Iron Mon. Brushed through and picketed to fence on south line Sec. 15. Total Dis. through Sec. 15 = 5286.7'. N.W. & 90°20' along fence. Brushed out along fence. started at S. 1/4 Cor. Sec. 15, S.W. B.T. still plain. Fence corner in place. Chaining west 1324.6' Intersq of 1/16 line. 1374.3' old square stake. 2361.2' hub for temp. M.C. #11, about 30' west of fence cor. & S.W. 61°47' 663.1' to M.C. #10. N.W. & 67°51' to M.C. #12. As this fulfills the requirements of the Town Board I quit at that point, and return to Walker where I work up my notes. Mileage estimated - 2 trips from Walker and return 120 @ 70 = 12.00. Paid hotel at Backus \$4.00. Walker expense \$2.00 Total 4 days @ 7.00 Expense 18.00 Grand total \$46.00 Pine River. Twp Surveyed by John M. Greene. Recorded Aug. 7 P.M.

John M. Greene
Co. Surveyor.

10 sections 15 = 7.50

Plot 3 @ 1.50 = 4.50

Total = 12.00

Record #536

Survey of road on line between Powers & Ponto Lake Twp

Sec. 13, 139-30 & Sec. 18, 139-29

July 19, 1924 Flood of Commissioner Walker on ^{range} ~~town~~ line between Powers - Ponto Lake Twp. 139-29 & 30 from S.W. Cor. Sec. 18 - S.E. Cor. Sec. 13 north to Portage Lake. Notes used T. 139 N.R. 30 W.

N = S.E. Cor. Sec. 13 - 1 M. in middle of E. & W. road. Monument bent about 1' to the east by grader. Dug down to straight part and set wood hub.

i = E. 1/4 Cor. Sec. 13 N. Pine 22" S. 21° W. 122 lbs. 80.52 ft.

N " 20" S. 6° E. 98 lbs. 64.68 ft.

M.C. #5 N.P. 20" for Cor.

M.C. #10 Aspen 6" N. 55° W. 10

N.P. 20" N. 69° E. 24 lbs. 14.74

Ash 12" N. 53 1/2° E. 30

Went to 1/4 Cor. Found 2 stumps check for bearing and distance - set gas pipe

1 1/2" x 2 1/4" for corner. New reference points, B. Oak 5" N. 64° 43' W. 41.9'

Witnesses: M. Garton B. Oak 7" N. 25° 16' W. 40.9'

Fred Doerr

A. J. Revok

1/4 corner to M.C. #5 4.42 chains = 291.72'. Chained distance to offset = 287.6'

Went to M.C. #5. Found tree for Cor. a stump. B.T. stump with scribe marks plain 14.9' East of Sec. line prolonged

$287.6 \div 14.9 = 19.3$ - Chain 2° 58' Did not chain 1/2 mile to 1/4 Cor. but

kicked into line and set center pickets. Will set monument later.

Set picket \perp 90° East from Sec. line for Doerr's road.

John M. Greene

Recorded Aug. 19, 1924 by

John M. Greene, County Surveyor

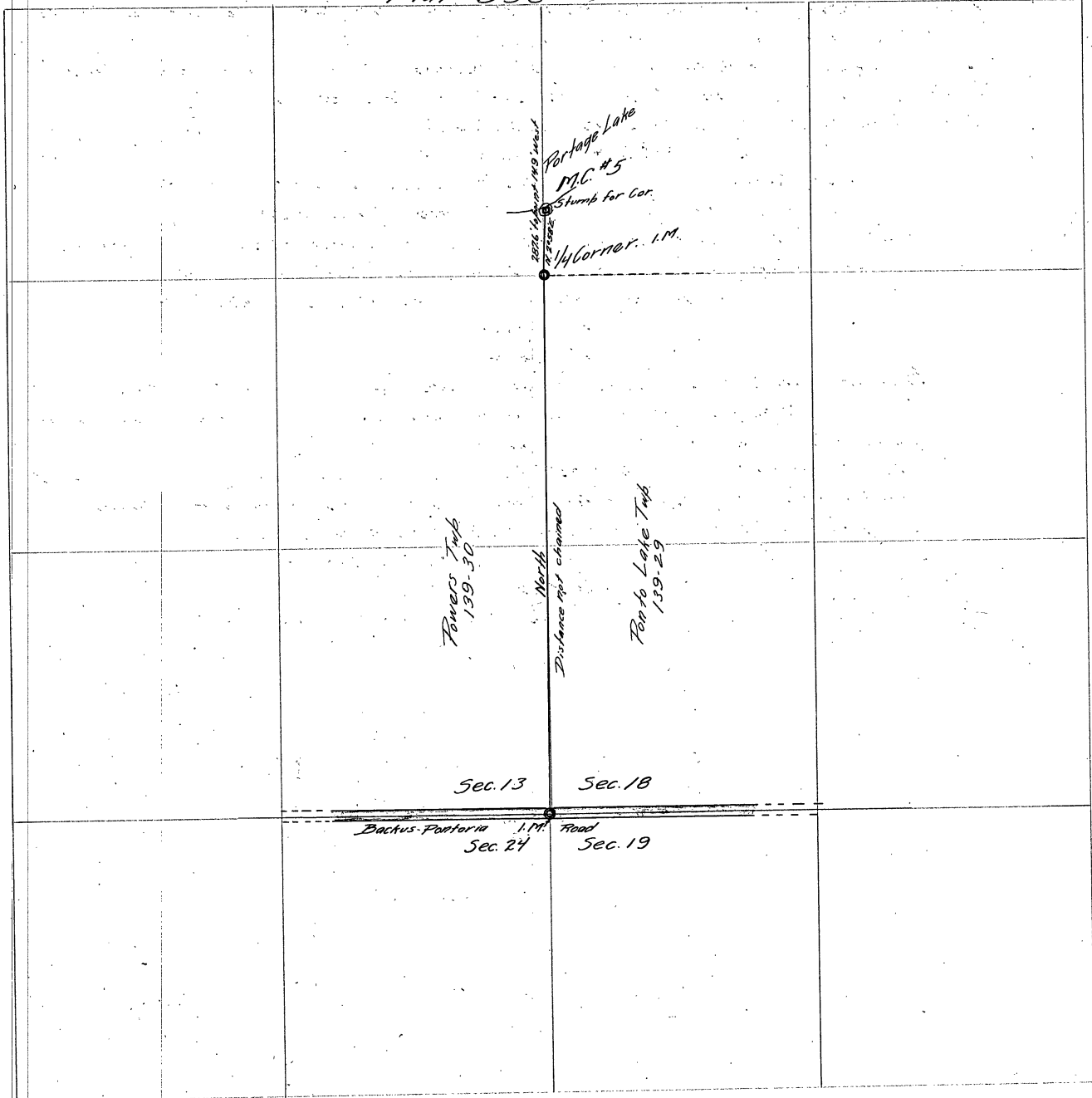
3 folios 4.5

2 secs 3.00

Total 3.45

D

Plot #536



2076 1/4 sec 18 west

Portage Lake
D.C. #5
Stump for Cor.

1/4 Corner. I.M.

Fowers Twp
139.30

North
Distance not channeled

Portage Lake Twp
139.29

Sec. 13

Sec. 18

Dactus Portoria 1.M.
Sec. 24

Road
Sec. 19

Sec. 7-145-31

Section 7-145-31 Cass Lake Sunday May 19, 1912.

Todd did not arrive on night train and Seeley, Bob Jarvis & I drive to Farris and telephone Bemidji to hear that Todd is sick. Dinner at Jarvis camp. - 7th' P.M. Todd arrives from Bemidji and Jarvis brings him to Sec. 7-145-31.

At the $\frac{1}{4}$ on So. side of Sec. 8-145-31 I find that the $\frac{1}{4}$ I established there four years ago has been graded out by the new Sec. 18th. My old notes called for the following bearing trees. Jack pine 10 S. $83^{\circ} 27'$ W 22.80 ft
 Jack pine 8 S. $29^{\circ} 30'$ E 36.30 ft. We find the tall stump of the S.W. tree standing plainly marked and the short stump of the S.E. tree cut below the marks. Todd drives a tack in this stump. At the corner of Secs. 7-8-17-18 I find that the post I once established there has been pulled up. On Aug. 18th 1906 I found all four old N.S. bearing trees at this point, where Govt. notes called for a post and the following bearing trees: 7-8-17-18-145-31
 J.P. 14 N 58° E 398 links (= 262.68 ft) J.P. 12 S. 5 W 348 links (= 237.68 ft)
 J.P. 9 S 3 E 291 links (= 192.06 ft) J.P. 16 N 3 W 900 links (= 594.00 ft).

We found all the old trees but they did not check out for measurement so we proceeded to locate the corner proportionately as follows:-

Run a straight line from old B.T. in Sect 7 to the one in 17. Govt. chain was 786.06. Our chain was 788.50 overlengh 2.44 feet. Set a hub proportionately between them and run a short picket line 90° West 389 feet. The chain from B. tree in Sect 8 S 58° W 262.68 set hub marked B. Thence S 5° W 229.68 feet to B.T. in section 18, setting tramant on hub B. I take the angle of the two last lines run and on a mean course run S. E. to an intersection of with my picket line where I established the true section corner to Sections 7-8-17-18-145-31 at which point I find the old Govt. stake through which I drive a good big tamarac post. Cass Co. road builders working under the direction of Cass County commissioners have pulled up my stakes grubbed out the old N.W.-B.T. and graded up a county road in such a way I am unable to re-locate this corner without again going all over the work. We find the N.E., S.E. and S.W. trees from which I re-established the corner by measurement from the face of the old B.T. marks I drive a hub and tack from the line corner after a tack in the old S.E. tree bears S 3° E 192.68 feet. A tack in the old S.W. B.T. bears S 5° 17' W 226.54 ft. Established new bearing tree as follows. J. Pine 8 W. 25° 38' E 160.83 feet to tack head. I mark this tree New B.T. "Curo" C 2° 20'

- Sketch -

At the $\frac{1}{4}$ corner between sec. 7 & 8 - 145-30 I find my old hub set for the line $\frac{1}{4}$ corner from old Govt Bearing trees. Four years ago I established new bearings to this corner as follows: - J.P. 8 N. 61° 25' E 63.70 ft. J.P. 6 N. 69° 52' W 44.52 feet measured to the approximate heart of the trees. I find the N.E. tree standing plainly marked and the newly cut stump of the W.W. tree. I set a new hub and tack for the line $\frac{1}{4}$ corner between sec's 7-8 - 145-31 and drive new tacks in the face of my new bearing trees as follows: - Tack in W.E. B.T. bears N. 61° 25' E 63.19 feet. Tack in stump of W.W. B.T. bears N. 69° 52' W 43.80 ft. Make a new bearing as follows. Jack Pine 4 S. 27° 36' E 70.30 ft to tack head C. 8° 55' var. N.E. transit 300 ft Chicago steel tape. Harry Todd & I transit men & chainmen. Henry Sealey, Bob Jarvis, J. Colton as men, Suffer & overnight with Sealey. J. Curro.

Cass Lake - May 20th 1912 Monday. Sec. 7-145-31.

Todd & I working for Jarvis & Colton subdividing a part of Sec. 7-145-31.

N. & E. transit 300 ft ch. At the $\frac{1}{4}$ corner on W. side of sec. 7 Govt note call for: - B. Pine 10 S. 68° E 36.36. Sinks 23.76 ft. ^{stands} B. Pine 7 S. 30° W 11 links 7.26 ft. ^{stands} W. We find the stumps of both old trees plainly marked from which I set a 2x36 inch oak stake and tack for the line $\frac{1}{4}$ corner and mark new bearings as follows: - to nail heads C 8° 45' v

Jack Pine 15 N. 38° 33' E 38.46 ft. Jack Pine 12 S. 25° 43' E 39.58. Oli & Harry

are men. Cut a wide swath of timber a few hundred feet E. to Little Wolf Lake so that I can see the $\frac{1}{4}$ on E. side of sec. 7. then work the transit on line and put up a back shot with square white paper and from the $\frac{1}{4}$ on E. side of sec. 7 I back sight on this back shot which equals the line of sight with the $\frac{1}{4}$ on W. side of sec. 7 then turn telescope on a flag at S.E. corner and my angle reads 82° 6''

The $\frac{1}{4}$ on W. side of sec. 7 runs on about 14° 15' the E. line of the S.E. $\frac{1}{4}$ of 7 runs on about 6° var.

At the $\frac{1}{4}$ on S. side of Sec. 7-145-31 between sections 7 & 18, Govt notes call for: - J.P. 10 N. 6° E 140 lbs. (= 92.20 ft) Tam. 12 S. 8° W 15.9 lbs. (= 104.94 ft)

We find the Jack Pine standing green, plainly marked and the tall stump of the tam from which we chop out the old scribble marks. We find the measurements between trees to be 6 ft short so set the $\frac{1}{4}$ corner by proportionate measure via corner from face of figures after which a tack in old B.T. bears N. 6° E 89.60 feet. Tack in old S.W. Tam Stump bears S. 8° W 101.60 ft. New B.T. very nail drive in ten inch bushy topped Jack Pine not blazed bears N. 74° 7' E 144.80 feet.

With transit @ S.E. corner of sec. 7 I read the angle of the $\frac{1}{4}$ on E. boundary with $\frac{1}{4}$ on S. boundary. Angle reads 97° 26'

Begin @ $\frac{1}{4}$ on E. side of sec 7-145-31. run south on line line at 1320 pin @ 15.00 stake @ 2640 line S.E. corner bears S. 67.20 ft. @ 2707.20 intercept tack in hub at line corner. Correcting north @ stake No. 15 we chain N. 146.40 to hub 1353.60 S. at which point we drive a hub and tack for the line $\frac{1}{4}$ corner with new bearings as follows. J.P. Stump 12 S. 27° 15' E 9.02 feet. J.P. Stump 15 N. 37° 52' E 38.90 feet to tack heads angle turned from line line N. S.

With the transit set on this $\frac{1}{4}$ corner I run the south line of Govt. lot no 3 $S 82^{\circ} 20' W$ to the water edge but do not chain the distance. Taking the 6^{th} line of $S 6^{\text{th}} \frac{1}{4}$ as a meridian I find the south line of the sec. runs $S 82^{\circ} 6' W$ clear across the sec. so that a mean course would be $S 82^{\circ} 20' W$ at which course

10) I run the line between Jarvis and Carlton lands. I set a hub 33 ft west of the $\frac{1}{4}$ to show Mr Carlton the road limit then I drive a row of long hubs and stakes west along the line south line of Govt. lot no 3 about $\frac{1}{4}$ mile to the water edge of Little Wolf Lake.

All take dinner at Bob Jarvis camp, supper and over night with Lyman Carlton. Jarvis has half a dozen of his men cutting brush in P.M. I do not charge anything for my time but charge them \$14.00 for Todds time + expenses. Jarvis pays me \$8.00 cash. Carlton is to pay me \$6.00.

John W. Cure

223

Total — 19.33

Sec. 9-145-31

Cass Lake Cemetery - Sec. 9-145-31 Nov. 19, 1913.

Pellagari to Walker in P.M. Arrive at Walker 5 P.M. Set up all evening copying notes for the subdivision of section 9-145-31 for the purpose of surveying a Cemetery for the Village of Cass Lake.

Thursday Nov. 20 - 1913. Leave Walker @ 3 A.M. train for Cass Lake by way of Bemidji. Arrive @ Bemidji 4:25 A.M. fare 64¢. M. & S. R.R. Leave Bemidji 9:54 A.M. via Soo R.R. fare 32¢. Arrive Cass Lake 10:30 A.M.

Look up "Andy" Johnson, and hire a crew. P.M. Geo. Dedrick and I work on digging up iron monuments on south side of S.E. $\frac{1}{4}$ of sec 9-145-31. Harry S. Todd.

Friday Nov. 21 - 1913. Rained and snowed all day. Could not work. I am staying @ Boston Hotel, Cass Lake.

Sat. Nov 22nd 1913. Harry S. Todd transit man, H. & B. transit. almost perfect adjustment. also chained 300 ft Chicago steel tape, plummet chain - perfect. Chas. A. La Bell chain & flag. I & Anderson axe men. We go to the iron $\frac{1}{4}$ corner between sec. 9 & 10 - 145-31 set by Co. Surveyor Canfield and recorded by Co. Surveyor Curo, where we find the old S.E. bearing tree stump still standing from which we check the iron $\frac{1}{4}$ corner & find it correct. Run north thru center of sec. 9-145-31 Mag. Var. $7^{\circ} 25' E$. @ 413.50 ft cross center of mainline of Soo R.R. bear E. & W. @ 1201.60 ft set hub & tack. @ 1226 ft cross cemetery fence E. & W. 8.52 ft E. of S.W. Corner about - @ 1985.45 hub & tack. @ 1989 cross Cemetery fence - E. & W. @ 2083 ft hub & tack. @ 2180 ft hub & tack - temporary center of Sec 9-145-31 being hub "A" No. 1. 2674 cross wire fence bears E. & W. 2740' hub & tack. 2888.50 hub & tack. 2165 ft hub & tack. 4560 hub & tack. We chain out the whole mile and set stake 5280 but it is so dark we quit for night. Settle my bill @ Boston Hotel \$2.30 and catch 7:00 S.W. train for Bemidji. Sunday Nov. 23rd 1913. all day @ Bemidji.

Monday 24th 1913. Leave Bemidji @ 6:30 A.M. via G. & N. R.R. arrive @ Cass Lake 7:05 A.M. Curo comes from Walker on 4:30 early morning train from Walker and goes to Cass Lake from Bemidji with me. Both stop @ the Boston Hotel. I and La Bell work in one crew and Curo & Anderson work in another. Curo uses Geology Compass & 100 ft "Hammer" steel tape. La Bell & Todd use H. & B. Transit & 300 ft steel tape.

Todd & La Bell begin at big iron $\frac{1}{4}$ corner between sec. 9 & 10 - 145-31 previously established by Curo and run west thru sec. 9 - Var. $8^{\circ} 25' E$. @ 9 feet cross wire fence bear N. & S. @ 748 ft cross wire fence bear N. & S. @ 1200 feet set hub. @ 1685 ft enter swamp. @ 2080 bear swamp. @ 2245.45 ft hub & tack @ 2640 set hub B No. 1. line center to sec. 9-145-31. @ 2740 hub. @ 3580 hub. 5278.60 the line $\frac{1}{4}$ corner between sec. 8 & 9 - 145-31 previously established from old bearing trees by Curo & duly recorded sets south 5.20 ft. This is all Todd & La Bell do to day but Curo and Anderson work in another crew go to all of old Govt. corners along the south - West and North sides of sec. 9-145-31 where they find them all. Then in the P.M. Curo and Anderson go to $\frac{1}{4}$ corner between sec. 4 & 9 - 145-31 where N.S. notes call for a post and the following bearings

trees "H.V. 4.1" J.P. 10N 8°W 120 lbs. J.P. 6.S. 16°E 48 lbs

We find the tall stump of the N.W. tree standing plainly marked and the short stump of the S.E. tree cut off below the figure, and from these stumps we set the line $\frac{1}{4}$ corner by flat chain from face of the stumps after which the stumps check out of course @ $8^{\circ}15'26''$. We set a galvanized iron pipe $1\frac{1}{2} \times 48$ inches anchor rod through bottom & capped on top and we mark the cap with a punch marker "4.5" set 3 ft in the ground in a 1 ft mound of sand. Going half a mile west to the corner of sec 4.5-8-9 145-31 we find the point of the old corner previously established and recorded by Curo. We pull up the wood stake and put in its place a galvanized iron pipe 4 ft long and $1\frac{1}{2}$ inches through, anchor rod thru bottom, capped on top and marked with a punch "4-5-89" set $3\frac{1}{2}$ ft in the ground in a six inch mound of sand. The stumps of three of the old "bearing trees" are still here and check for course and distance to heart of stumps. S.W. tree gone. The two new bearing trees marked and recorded by Curo have been cut but the stumps are here and stand correct for course and distance to heart of stump.

We go half a mile South to the $\frac{1}{4}$ corner between Secs. 8-9-145-31 previously established & recorded by Curo where we find the old rotted point of the old wood corner which we pull up and put in its place a $1\frac{1}{2}$ inch galvanized iron pipe 4 ft long, anchor rod thru bottom, capped on top marked "4.5" and set nearly its full length in the ground in a flat mound in sand. From this iron $\frac{1}{4}$ corner it is 33 ft West to a new wire fence running west which is probably on the old true line run by me. The stump of the old S.E. B.T. is still here and checks with the iron corner. A fence begins 33 ft East of the iron corner and runs away off line S.E. Mr Morgan says they built it in line with the fence west of the $\frac{1}{4}$ corner. Morgan owns S.W. $\frac{1}{4}$ N.W. $\frac{1}{4}$ Sec 9. I am staying at the Boston Hotel with Harry Todd. We find 23 small $1\frac{1}{4}$ inch galvanized iron pipes - black caps at Muller Swenberg ordered these but they were too small - we will have to use them.

Tuesday Nov 25th 1913. Cass Lake, Minn. Sec. 9-145-31

Todd & La Bell double center the N.S. Center line and the E.W. center line of section 9 to make sure it is correct and @ 527.5-20 N, the iron $\frac{1}{4}$ corner between sec. 4-9 sets W. 43.15 ft. Correcting - To set the center of sec 9-145-31 @ hub 2740 N we chain W. 22.41 ft. and set hub & tack on line N.S. center line @ 2640 N. we chain west 21.59. Runse North along true center line 2.10 ft to an intersection with the corrected E.W. center line. @ 2740 West we chain south 2.70 ft and set hub & tack on true E.W. center line of sec 9-145-31 @ 2640 W we chain south 2.60 to true E.W. line. Thence West along true center line 10.56 ft to an intersection with the true N.S. line @ which point we set the line center of sec 9-145-31 being a galvanized iron monument $1\frac{1}{2}$ by 48 inches - anchor rod thru bottom - capped on top marked with punch - "Center Sec 9" set 3 ft into the ground with mound of dirt 1 ft high thrown to top of iron. New B. to. vs Jack Pine Jack Pine N.S. wire fence is east.

At a point on random line 2642.18 ft N. of $\frac{1}{4}$ corner the center

of section 9 bears west 21.62 ft. At a point on our random line 2650.56 ft. west of the 1/4 corner the true iron center post sets south 2.60 ft. Correcting south @ 1320.77 we chain 1.05 ft to 1321.05 N then west 10.81 where we set an iron monument for the true center of the south half of section 9 being a galvanized iron pipe 4 feet long by 1 1/2 inches thick, anchor rod thru bottom. Capped on top - marked "1/2 S" set nearly its full length in a flat mound of dirt near the S.W. corner of Cemetery Grounds.

Curo and Anderson go to the corner of secs. 8-9-16-17-145-31 where we call out Christ Wrayge to witness the iron bolt set by Wrayge & Curo and recorded by Curo for the true sec. corner. We take up the drift bolt by chipping out a 2 1/2 foot section of a stick of 6 in Corduroy and finding a double deck of corduroy beneath we force an iron monument down between two sticks of corduroy for the true sec. corner - being a galvanized iron pipe 4 feet long by 1 1/2 inches thick capped on top marked "8-9-16-17" set nearly its full length in the ground 4 inch mound of dirt to top set in center of E.W. graded road for the true corner to secs. 8-9-16-17-145-31 from which the stump of the new bearing tree established and recorded by Curo stands correct for course and distance to heart of the stump @ 8° 45' Ver a nail in the face of same stump being 94" from P. stump and bears S 65° 37' E 47.10 ft. to nail head in face of stump. Going half a mile east we take up the small iron 1/4 corner between secs. 9 & 16 - 145-31 set by Co. Surveyor Panfield - found correct & recorded by Co. Surveyor Curo, and put in its place a galvanized iron pipe 1 1/2 inches through by 4 ft long; anchor rod thru bottom and capped top marked with punch, "1/2 S" and set 2 1/2 feet into the (ground) road center 6 in mound thrown to top of the mound for true 1/4 cor 9 & 16 - 145-31 set by Curo and Anderson, who then chain east along the road rough chain @ 1328.70 about, insert iron 1/2 (this should be 1328.45 ft.) @ 197.15 about intersect S.W. corner iron of Van Pelts Addition (should be 197.45) at about 1328.70 we dig and find the iron sec. corner to secs. 9-10-15-16-145-31. By digging we find this iron corner over a foot below the street center and in chipping down we accidentally strike the cap and break it, so decide to put in a new iron. We use a plumb bob and steel tape to preserve the point of old iron and chain east exactly 6 feet and drive a nail in the frozen ground. Then with the assistance of Mr. we check the measurements several times to see that it is correct to the nail then dig up the old iron and put in its place a galvanized iron pipe 4 ft long by 1 1/2 inches thru anchor rod thru bottom, capped on top and marked with a punch "9-10-15-16" and set its full length in the ground with the cap just level with the street center.

Placing a flag at the iron corner to sec. 9-10-15-16 and another flag @ the iron 1/4 corner between secs. 9 & 10 - 145-31 we work the transit on the line between the points and began @ 9-10-15-16 and chain North. at 499.60 center of main line S.W. P.P. bears E.W. @ 515.50 center of side track @ 548 center of side track. @ 1320 join at @ 2642.80 insert the big iron 1/4 corner between sec. 9 & 10.

Correcting back @ 1320 N we chain north 1.45 feet to 1321.45 N where we set an iron $\frac{1}{2}$ corner being a galvanized iron pipe 4 ft long by $\frac{1}{2}$ in thick; anchor rod thru bottom, capped on top, & set 2 $\frac{1}{2}$ ft in the ground with $\frac{1}{2}$ ft mound of dirt thrown to top of iron. Cap marked " $\frac{1}{2}$ S" and set for the true $\frac{1}{2}$ corner north of cor to sec 9-10-15-16-145-31. Todd & LaBell work alone and Curo & Anderson work alone in A.M. but all work together in P.M. Curo pays his bill \$1.25 at Boston Hotel and goes to Indian for dinner. Todd still at Boston Hotel. Curo telephones home in the evening 20th.

Wednesday Nov. 26 - 1913. Correcting

Curo writes notes all A.M. at Hotel Indian - Harry S. Todd Anderson & LaBell correct line @ 1320 N $\frac{1}{4}$ on E side of sec 9-145-31 chain West 5.28 ft to 1325.28 then south 1.80 ft. where we set an iron monument being galvanized pipe 4 ft long. anchor rod thru bottom, capped on top marked " $\frac{1}{2}$ Sec" and set - - feet into the ground, mound of dirt - ft high thrown to top for the true center of East half of sec 9-145-31. To put in center of S $\frac{1}{2}$ of sec 9-145-31 we begin at the iron $\frac{1}{2}$ corner where Todd places (W. of S.E. corner) the transit, prism telescope on a red flag, placed on the iron $\frac{1}{4}$ on S. side of sec 9. Turn an angle to the right $90^{\circ} 39'$ and run North thru cen. of S.E. $\frac{1}{4}$ of sec 9 @ 1320 hub & tack rough

chain @ 2642.50 N. the iron $\frac{1}{2}$ in cen. of E $\frac{1}{2}$ of sec 9 sets East 6.20 ft. Correcting south at hub 1320 N we chain E 2.10 feet to true N. & S. line where we set the transit and prism telescope. $\frac{1}{4}$ mile North and run a picket line North to an intersection with the line E & W center line of the S.E. $\frac{1}{4}$ of the section. Begin @ the iron $\frac{1}{2}$ corner N. of the S.E. corner of sec 9, we run West and @

2653.73 (not chained) the iron $\frac{1}{2}$ in center of S. half of sec. 9 sets south 513 feet. Correcting back @ a point where our E. & W. random line crosses the true N. & S. cen. line crosses of the S. E. $\frac{1}{4}$ we chain south along the true N. & S. line 2.56 feet where we set the iron $\frac{1}{2}$ in corner, being a galvanized iron pipe, 4 ft. long anchor rod thru bottom, capped on top and marked "1/2" set 2 ft in the ground, 1 ft mound thrown on top and set for the true center of the S. E. $\frac{1}{4}$ of sec. 9, - 14.5-31. Then run a line of hubs 80 rods so along the true line to the iron $\frac{1}{2}$ in the E. & W. road. Begin to snow hard & we quit for the night. Curd at Andin Todd @ Boston.

Thursday Nov. 27, 1913 - Thanksgiving

Saturday Nov. 29th 1913.

Begin at iron $\frac{1}{2}$ in center of S. $\frac{1}{2}$ of sec. 9. Focus telescope on true iron $\frac{1}{2}$ corner in center of S. E. $\frac{1}{4}$ of sec. 9-14.5-31 and run East along true $\frac{1}{2}$ in line 40 rods (660.00 ft) @ 300 set (hub) pin. @ 365 set iron monument for S. W. cor of land decided to Church of St. Charles for a Catholic Cemetery. 2 acres iron monument being galvanized pipe 4 ft long, 1 1/2 in diameter anchor rod thru bottom. Capped on top set 4 ft into the ground in a mound of sand 1 foot high. @ 391.25 E. set hub @ 660 set iron monument for true S. E. corner of the 10 acre cemetery grounds being 4 ft galvanized iron pipe 1 1/2" through, anchor rod in bottom capped on top and set its full length 4 ft into the ground in a 1 ft mound. With transit on iron $\frac{1}{2}$ in cen. of South half of sec. 9-14.5-31. focus telescope north on true iron center of sec. and run north on true center line @ 300 ft set pin. @ 360 set hub & tack. @ 600 pin. @ 660 set iron monument for the true N. W. corner of Cass Lake 10 acre Cemetery grounds at which point we set a 4 ft gal. iron monument (pipe) anchored thru bottom, capped on top and set 4 ft in the ground in a 1 foot mound of sand.

To put in the N. E. corner of the 10 acre Cemetery grounds we begin at the N. W. corner & chain East 660 ft to an intersection with a line 660 feet chained north from the iron S. E. corner. At the N. E. corner of the 10 acre cemetery grounds we set a 1 1/2 x 48 inch galvanized iron pipe anchor rod thru bottom capped on top and set its full length into the ground in a 1 foot mound of sand. With the transit on the iron S. E. corner of the 10 acre cemetery grounds, focus telescope on the N. E. corner and run North 295 feet where we set a galvanized iron pipe, anchor rod thru bottom and capped on top. set its full length into the ground in a mound of sand 1 1/2 ft high. This is the N. E. corner of the 2 acres decided to the Catholic Church and at a point 295 ft N. of the S. W. corner we set a monument of iron for the N. W. corner of the Catholic Cemetery grounds. being a galvanized iron pipe 4 ft long - anchor rod thru bottom, capped on top and set its full length into the ground in a mound of sand 1 1/2 feet high for the true N. W. corner of Catholic Cemetery grounds. With the transit at the iron S. W. corner of the 10 acre Cemetery grounds - focus telescope N. on N. W. corner then turn telescope on S. E. corner angle reads 89° 05'.

At the iron N.W. corner of Cemetery grounds it is 7 ft North and 9.70 ft E to the outside of the corner post of the Cemetery fence.

At the iron S.W. corner of Cemetery grounds it is 4 ft N. and 1.50 E to a point intersecting a line with the S.W. fence line of the Cemetery fence where the S.W. corner post should be.

At iron S.E. corner of Cemetery grounds it is 6.70 ft E. and 4.80 ft North to the outside of the corner post at S.E. corner of Cemetery fence on S. & E. side of Catholic Cemetery. At

At the N.E. corner of Cemetery grounds it is 7.30 ft N. and 11.80 ft E to the outside of the N.W. corner of Cemetery fence post.

Curr, LaBelle Anderson work N. & B. Stranant 200 ft (Chain) steel tape. Still at Indian Hotel - Rained - rest all day. Telephone Todd & P. Rapide. & Telephone home @ Walker. Johnson gets 6 iron monuments from Hank Muller.

Sunday - November 30th, 1913. Cass Lake - Dec 9-145-31.

As it may freeze and we are anxious to put new stakes in the Cem. we decide to work today. I telephone Mr. Gilbertson who offers to let the Village of Cass Lake have some 2x2 pine for Cemetery stakes and we have 2 blocks of 104 lots each = 208 lots = 832 stakes figuring 16" to each stake we will need 1110 running feet of 2x2 pine. I telephone Johnson's livery who sends a dray team to the mill with Mr. Gilbertson - Mr. La Bell and get 1110 running feet of 2x2 pine. They take it to Mr.

who starts up his gasoline saw outfit and cut it into 16" stakes. Then shovel it into a coal wagon and bring it to the Cemetery. Mr. Anderson sharpens stakes all day and finishes up the mound around all iron monuments. La Bell and I marking around all day trying to chain out and figure out how to plat and re-stake the Cemetery grounds so as to bring each lot where it originally was staked. As each lot was originally staked 10x16 with 8 foot streets on all sides of each lot we decided to change the lots in groups of 4 lots with an eight foot street around the outside and a narrow alley between. This would make the lots larger and would not change the plat. And as several graves stake over into the streets which we can narrow up into alleys, it will save moving the grave as they will then be on its lot. So we decide to make the alley 3 ft wide and leave the streets eight feet wide. This will make the lots 12.50 x 18.50. Curr - LaBelle - Anderson work all day. There was a funeral at 2 P.M. Still staying @ Indian Hotel.

Monday Dec 1st, 1913. Cass Lake Cemetery Dec. 9-145-31.

As the old Cemetery grounds is 302 ft wide E. & W. and 304 feet long N. & S. with a 30 foot drive way N. & S. in center we chain out and set the 4 corners where we drive an iron gas pipe. With transit over iron S.E. corner focus on S.W. corner and run West along line of old lot stakes. at 12.50 stake

12.50 stake	51.50 stake	100.00 stake	178.50 stake	
15.50 "	64.00 "	108.00 "	181.50 "	217.50 stake
28.00 "	72.00 "	120.50 "	194.00 "	230.00 "
36.00 "	84.50 "	123.50 "	202.00 "	238.00 "
48.50 "	87.50 "	136.00 "	214.50 "	250.50 N.W. Cor.
		166.00 Iron Bl. Cor.		

253.50 stake 266.00 stake 274.00 stake 286.50 stake 289.50 stake 302 iron corner
 Beginning at iron S.E. corner from N.E. corner and chain North along line
 of old stakes @ 18.50 set stake 21.50 set stake 40.00 set stake 48.00 set stake

@ 66.50 set stake	69.50	88.00	96.00	114.50
" 177.50 "	" 136.00 "	" 144.00 "	" 162.50 "	" 165.50 "
" 184.00 "	" 192.00 "	" 210.50 "	" 212.50 "	" 232.00 "
" 240.00 "	" 258.50 "	" 261.50 "	" 280.00 "	" 288.00 "

304.00 iron N.E. corner Begin at S.W. corner and run same line of stakes to N.W.
 corner & set in iron. We run the outside boundaries of the platted portion and
 set stakes at all lot corners. Then set a line of stakes N. along each side of
 the thirty (30) foot center drive way. We set transit on S.W. cor. of lot 8 Block 2
 from telescope on S.E. corner of Lot 1, Blk. 1, and set a line of stakes E as on
 given on page 22 (notes at 74) 375. Then run the north line & south line
 of lots 9 & 16 of both blocks. Then stake the N. line & S. line of lots 9 & 16
 across both blocks. Then run the N. line of lots 17 & 24 of both blocks
 and drive 2 1/2 x 16" wood stakes at all lot corners. Chain N. from S.W.
 corner of Blk. 2 @ 29.20 intersect 1/2 line chain So 33.60 to 1/2 line @
 N.W. corner of Blk. 2 it is 26.80 ft W. to 1/2 line and at S.E. corner of Blk
 1 it is 30.95 ft S. to 1/2 line and 24.10 ft East to W. boundary of
 Catholic cemetery grounds. At N.W. corner of Catholic Cemetery grounds it
 is 36.05 ft N. to E. side of Block 1

With transit on S.E. corner of Block 1 focus on S.W. corner of Block
 2 turn to right 89° 56' 30" to N.E. corner of Block 1. Curo, LaBell & Anderson
 work like the devil all day but it will take another day to finish it
 as there is still left 20 rows of stakes to be set. E & W and it takes about
 20 minutes to each row of 30 stakes it will take all of ten hours to finish.
 Telephoned Todd who will arrive from P. Rapids to night to finish the Cemetery
 Still at Endian Hotel Whitnack & Hanson turn next train and take out
 blanket. Todd over night at Can Co. hotel. John Curo.

Tuesday Dec. 2nd 1913. Can Lake Cemetery sec 9-145-31
 Curo pays Endian Hotel for board gives Todd \$ and goes home to
 Walter D.B. for 46¢ Todd - LaBell & Anderson finish staking Can Lake
 Cemetery. Todd gets B.D.S. at Can Co. Hotel. Curo comes back from Walker
 in P.M. and stays over night with Todd @ Can Co. Hotel, Can Lake.
 This finishes the survey of the Can Lake Cemetery and Curo & Todd
 will start work tomorrow for the owners of sec. 6-145-31 being
 W.S. Whitnack & Co.
 John W. Curo
 Harry S. Todd

795

Total - 5618

Record 539

D

Sec. 10-145-31

Field Book #72

Commercial Club Road Sec 10-14.5-31. Cass Lake

I am to survey a strip of land 66 feet wide N.E. & S.W. and 150 ft. Wide E. & W. along the present road from the school house to the boat landing at Cass Lake, required by the Commercial Club of Cass Lake for road purposes. I am working for the Commercial Club of Cass Lake.

Friday Oct. 18-1916 - all day in the office at Walker, looking up notes of old surveys. Elmer B. Horst is going to Federal Dam to survey for Gurnett. We will take the night train to Benidj.

Sat. Oct. 19, 1916. Leave Walker at 3 A.M. arrive at Benidj about 4:30 A.M. I buy both tickets Bed & breakfast at Markham for Horst & I. I pay \$2.50 I buy Horst ticket to Federal Dam and my ticket to Cass Lake. Dinner at Endim. get room #5. P.M. Prof. Larson & I walk along cement sidewalk leading to boat landing and from east edge of cement we chain N.W. (90' to walk) and set line stakes 33 feet out to mark the center of 66 ft. road to be surveyed. Our pocket line intersects S.W. at a point 5.50 ft. West of the iron S.E. cor. of school grounds W. side of N. end of Central Ave. The iron monument at S.E. corner of the school grounds is 10.79 ft. E. of S.W. Corner of Sec. 10 and 241 ft. West of 1/4 corner and 33 ft. North of Section line.

Begin at a point 5.50 ft West of iron S.E. corner of school grounds, back sight on S.W. corner of park fence assumed as E. & W. and run N. 40° 05' E. V. 6°. @ 200' stake in snow @ 400' stake @ 575' cross bar line tracks in curve about 25 ft West of crossing X @ 600' stake @ 800' stake @ 1688.50 intersect wire fence supposed to be on E. & W. 1/4 line. Set transit about two feet from wire, back sight on line just run. Turn angle about parallel to fence and chaining east from intersection of wire fence N. 89° 47' E. @ 487. intersect a fence corner which may be 1/4 from which a new 6' J. P. tree scribed bears S. E. about a rod. snow is deep and we cannot find stakes. From fence corner near 1/4 we chain S. and @ 150 ft we are just south of cut on main traveled road leading to boat landing and decide we will need a strip of land 150 ft wide E. & W. to cover the present road. Larson and I do all the work and work from 1:30 to 6 P.M. Gurley transit & 250 ft steel tape. I get supper at Endim hotel, pay \$1.00 hotel bill

and take 7:05 P.M. train back to Walker via Bemidji. Supper at Monkton - 50¢
show 10¢. Take 11:40 P.M. train to Walker for 62¢.

Feb. 20 - 1916 Sunday Arrive from Bemidji at 1 A.M. and proceed to
plat the road from survey just made. N. 40° 05' E: — ^{N. 75.51} in each 100ft
_{E. 44.39}
So they only want a description of the road in that part of the S.E. 1/4
of S.W. 1/4 and East Lot 4 Sec 10-145-31. the roads reads as follows: -

See page 8 (following) also see letter and plat sent to J.E. Sundrigin Cass
Lake on March 2, 1916. Page 8 follows -

Sec. 10 - 145 - 31 - Description of road.

A strip of road, land 66 ft wide running N.E. & S.W. and a strip of land
running E & W in S.E. 1/4 of S.W. 1/4 in Sec. 10 - 145 - 31. Begin at a point
377.15' N. of S.W. corner, thence N. 40° 05' E. 1238.70 to N. Bdy thence E on
an N. Bdy 530.13' ft to W.E. corner thence S. 15.0 thence W. 570.11 to
intersect the 66 ft strip, thence S. 40° 05' keeping 66 ft from first line and
running 1176.59 ft to a point on West Bdy 274.65' N. of S.W. corner, thence North
102.50 ft to place of beginning, excepting B.P. W. of Mpls St. Paul, & Sault Ste. Marie Ry
containing with right of way deducted 2.56 acres. Also a strip of land 150 ft wide
along entire N. Bdy of Lot 4 - 10 - 145 - 31. Commencing @ N.W. corner thence
E 1600 ft to Cass Lake thence South along West Bdy of Cass Lake 150 ft thence
W. 1600 ft, thence N. 150 ft to place of commencement contains in lot 4 6.51 acres
added to 2.56 making a total of 9.07 acres.

10 - 145 - 31 Figuring acreage of road.

66 x 1305.67 = 8617.22 = Total - 1.98 a

Str. of W. 110.15 x 66 = 7269.90 = 0.17

Bal. less Str. of Way. 1.81

5.06 99 x 150 = 7604.85 = 1.75 acres

Total = 3.56

John W. Curo

Monday May 22nd 1916. P.M.

On account of rain we are unable to work on road levels south of Cass
Lake. Curo and Host decided to go back to Walker. While waiting for
train, we look over proposed and make a few rough measurements as
follows - Begin at NW 1/4 corner Sec. 10 & 15 - 145 - 31. Chain East.

@ 26.50 ft a fence runs north being N. side of plowed field - probably planted
by the Cass Lake School. @ 124 fence runs south - being N. side of street. 180
fence runs South being E. side of street. 190 fence runs North, being West side
of lot owned by A. L. Tetu pronounced Teacher) at 196 West side of Tetu house

@ 200 set stake at 252 fence runs north being East bdy of Tetu lots. @ 298
short old rusty fence runs N. of short distance and was probably not built
to mark any line. @ 300 stake @ 302 in line with W. side of house
owned by a man in Boy River (good home). @ 330 alley fence runs South.

@ 334 East side of house on N. side of street. @ 350.40 alley fence runs S
@ 350.40 a fence runs north being west bdy of lot owned by E. D. Boyer

400 stake. 402 fence runs north. 416 in line with West side of E. D. Boyer house
@ 458.60 E. side of Boyer house 490 fence on W. side of st. runs S
490 fence runs north 500 stake 556 fence runs north and another runs
S on E. side of st. 581.30 in line with W. side of house 60 ft N. @ 600

stake @ 611 E. side of house 60' N. @ 637 E. side of Wood shed of same house

D

@ 695.50 alley runs south. 695.50 fence runs north. 700 stake. 713.40 alley fence runs south. 800 stake. 856 west side of street runs south. 900 stake. 920. E side of street running south. 920 on line with west side of tar paper shack. 100 ft. N. (House ten ft wide) 920 fence runs N. 1000 stake. 1000 old beer coop sets N. 10'. 1055.40 N. side of house. 100' N. 1069. E east side of house 100' N. 1000 stake. 1162 fence runs N. 1189 appears to be about fence running south. 1200 stake. 1277 front of porch south (about) 1300 stake. 1320 top 1/4 of This 1/4 cor. is not set but the NW B.T. stump stands plainly marked. From the 1/4 cor. chain 416 ft. E to 200 line spur. All solid ground. To get approximate amount of dirt in hill on N. side of Sect. Lot 4 sec. 10-145-31 we begin near 1/6 in center of S. half of sec. 10 and chain east along fence on true 1/6 line.

Sta	+S	HI	-S	Elev	Remarks	Sta	+S	HI	-S	Elev	Remarks
00				100.00	assumed at 1/6 on ground.	T.30			10.00	94.70	on top of hill near Nelson house
	4.75	104.75				T.P.	0.00	92.50	12.25	92.50	
00			4.75	100.00		+50			3.00	90.50	
+75			4.90	99.80		T.P.	0.25	80.50	12.25	80.25	
E1			4.10	100.60		E4			12.20	68.20	at foot of hill
+80			0.80	104.00		TP	1.85	70.15	12.20	68.20	at top of ridge
E2			1.60	103.10		+65			4.60	66.50	
E3			8.70	96.00		E5			6.00	64.10	
						+25			6.40	63.70	at water edge being hung by water

We then chain east along road walk toward Cass Lake (road under water) @ 1015 east end of board walk leading to Commercial Club boat house. at 1327 intersect edge of Cass Lake proper at a point 30 ft N of head of narrow walk leading S 6' to old tumbled down boat house which sag easterly into lake 75 ft. If we were to run S. from the water edge at station 1327 we would pass 50 ft West of boat house and at 250 feet would again enter Cass Lake where the lake shore then runs about south. As far as we can see Westward and south Westward from these old tumbled down boat houses the water appears to be 1 1/2 feet deep for probably 300 or 500 ft mostly S. westerly. Going back to station 00 we run a line of levels west along fence line. Going West.

Sta	+S	HI	-S	Elev	Remarks	Sta	+S	HI	-S	Elev	Remarks
00				100	Remarks on ground @ 1/6 on ground	TP	2.55	92.60	10.70	91.05	Remarks on ground @ Sta 3 on corner walk 25' x 2. at +80
	1.75	101.75				+90			6.30	87.30	
W1			9.10	92.60		W4			6.00	87.60	at intersection of roads
+50			13.00	88.70		+60			4.70	88.90	
W2			11.00	90.70							
W3			12.80	89.00							
			12.50	89.20	100' S of sta 00 on 1/6 line						

Begin at brink of hill 335 ft. east of the 1/6 corner in center of S half of sec. 10-145-31 we run a rough compass line southerly along brink of hill. @ 460. Run S 16° 30' E. At 56 fence along N. side of road N. side of cut. at 60 road center. 92 S. side of cut. at 101 fence. @ 300 N.E. corner of log house. Thence S 6° 15' E 46° (Transit for compass) @ 560 N. E. corner of house. @ 600 S. E. corner of house @ 660 fence east and West. 1124 intersect 200 line fence.

9:18

450 ft. East of N. S. cen. line of Sec 10-145-31. Walking back to where we crossed the fence @ 660 we pace east along fence @ 22 paces (20ft) foot of hill @ 88 paces (250ft) entered water of Cass Lake overflow from which point a house stands close by south westerly. To find the furthest distance the present road runs south of the E. & W. 1/4 line we begin at a point 100 ft. E of 1/4 in center of S half of sec 10-145-31 and chain South. At 109 E & W fence N. edge of cut 126. Center of wheel tracks 140 center of 3' walk 150 dr. edge of cut on top of bank.

164 Begin at 1/4 in center of S half of sec 10-145-31 chain south on 1/4 line. @ 105 cen of road @ 526 a new house 10x16' stands West 50 ft.

124 Begin where N. S. center line of sec 10-145-31 crosses over R.R. we chain East along track. At 450 we are on a line with edge of land running North. At 752 west end of bridge over drain way under tracks @ 799 E end of bridge. From this bridge we could run almost straight N. by following edge of dry land to a point 500 ft. E of 1/4 corner in center of S half of sec 10. As it looks like rain we decide to go back to Walker.

123 We do not have time to eat supper but catch 7:05 train (E.W.) to Bemidji. Pay Frank Gonyflow \$7.00 for Wood & S. Wood levelman (Dunlop transit) Aero-Rod. R.R. fare Cass Lake to Bemidji for Wood & S. 75¢. I guess. Supper at Markham 50¢. 50¢ = \$1.00. Take 11:20 P.M. train home R.R. fare 69¢ + 89¢ = \$1.28 pd by cash. ar. at Walker 1 A.M. While making survey Joe Wamie "Ham-se" of 716 street Ave. Crookston, Minn. wants to be kept posted to buy a lot.

As the Commercial Club intends to cover their 6 acres of swamp land with sand the amt would be as follows. 1 acre covered 1ft deep requires 1613 yds. 1 acre 2ft deep requires 2227 yds.

1 "	3 "	4840 "
6 "	1 "	7678 "
6 "	2 "	19362 "
6 "	3 "	29040 "

122 From the foot of the hill east to Cass Lake it is about 850 ft. and a 66 foot road covered 1ft deep requires 2079 yds.

2 "	4158 "
3 "	6227 "

121 The cut the hill from W. Sta 3. to E. Sta 7 would give us for a 66 foot cut 1 to 1 slope. Sta. 3 W = 0. Sta 2 W = 1. Sta 1 W = 9. Sta 00 W = 3. Sta 16 = 4. Sta. 2 E = 5. Sta 3 E = 6. Sta 4 E = 7. June 18th 1916

X section Notes

Sta	Area	Average	Yds.	Sta	Area	Average	Yds.
at 00	00	00	00	5	1073	1073	795
1	205	152.5	565	6	1008	1040	3852
+ 50	248	276.5	572	+ 30	1008	1008	1120
2	560	404.0	748	+ 50	920	964	714
3	920	740.0	2741	7	00	460	852
4	1008	968.0	3574				
+ 80	1073	1040.0	3081				18354 total

Brief of Record No 290-B - Copy - Book 185 - 7 - 196 - 031

Section 31, Twp. 136 - R. 31. May 15 & 16th 1922.

E. B. Horst + B. M. Beach copy field notes of Moose Lake Twp for subdivision of sec. 31. (also part of 125-31 135 & 136-32) Copy Baldwin survey. E. B. Horst Tue. May 23, 1922. - E. B. Horst + B. M. Beach in Horst's Ford drive to S. 31 via Backus. But have car trouble and stay in Backus overnight. Resume journey tomorrow. E. B. Horst.

May 24th 1922 Wed. E. B. Horst transit, B. M. Beach chain. Geo. Pettengill ax. Commencing at the S. W. corner of Sec. 31-126-31 which is a stone in the center of a county road we chain N. 10-15' Mon road center 1321.2' & set ~~temp~~ corner, thence N. 1321.2' & set temp $\frac{1}{4}$ s corner, thence N. 1321.2' & set temp $\frac{1}{4}$ cor. thence N. 1321.2' to section cor in center of Co. road which we locate from B.T. marked by Baldwin when he surveyed this road.

I turned $89^{\circ}30'$ E. & run E. between sec's 30 & 31. at 568.0 E. cross fence, 871.9 hub. 1060.62 set s for temp. fractional $\frac{1}{4}$ W. $\frac{1}{4}$ corner. 1160.0 enter swamp. 2350.62 set temp. fractional $\frac{1}{4}$ S. cor. 2500 lv. swamp. 2104.32 E. hub.

3700.62 E. set temp. fractional $\frac{1}{4}$ s. corner. 4732.4 hub. 5020.62 set temp $\frac{1}{4}$ S. corner 6113.4 hub. 6340.62 set temp. E. $\frac{1}{4}$ S. cor. 7660.62 set temp. sec. cor. to sec's 29-30-31-32 and look for B.T. but find nothing.

From hub @ 7660.62' E. I turn $S 1^{\circ}42' W$ & run S. on sec. line between sec's 31-32. @ 1220.0 set hub for temp. $\frac{1}{4}$ S. corner 1500 swamp. @ 2640.0' S set stake for temp. $\frac{1}{4}$ S. cor. bet. sec's 31 & 32. 220 B.T. @ 2800 leave swamp.

Thurs May 26 - 1922. Sec. 31-136-31. E. B. Horst transit. B. M. Beach + Geo. Pettengill chain. Vela Dyke & C. S. Granger axe men. We continue south from 2640.0' bet. sec. 31 & 32. @ 2991.5-5 hub @ 3355.0' s hub. @ 3960.0' s hub for temp. $\frac{1}{4}$ S. corner @ 5307.0' s hub in center of road. True cor. to sec's 5-6-31-32 sets ⁽¹⁸⁴⁾ 186.0' E. which we locate from two people bearing trees marked by W. F. Baldwin in 1916.

Beginning at the established corner of sec's 5-6-31-32 we run S. $89^{\circ}45'$ W. on the twp line between sec. 6 & 31. May 26th 1922 -

Sec. cor 5-6-31-32. 0.00' W. at 100' W. enter swamp. @ 186.0' W. int. random E. sec. line of sec 31. I read N. W. angle which is $88^{\circ}37' W$ @ 1100' W lv. swamp. @ 1321.6' W. set temp. E. $\frac{1}{4}$ s. cor. @ 1464.5' W. hub about 25' N. of Mrs. Presler's fence. @ 2643.2' W. set temp. $\frac{1}{4}$ s. cor. @ 2937.3' hub. @ 3682.7' hub. @ 3700.0 enter swamp. @ 3964.8 set temp. $\frac{1}{4}$ a. cor. @ 4289.5' lv. swamp. @ 4433.2' hub. @ 4700.0' hub. @ 5078.0' hub. @ 5286.4' set temp. fractional $\frac{1}{4}$ cor. @ 5562.1' hub. @ 5718.4 hub & enter swamp. @ 7471.6' hub & leave swamp. @ 7474.6 @ 7688.0' true sec. corner to sec's 1-6-31-36 sets 3.0 s.

May 27th 1922. Beach + Pettengill rechain N. line of sec 31. @ 871.9 ft E. hub. @ 1060.0' ft. set fractional $\frac{1}{4}$ s. corner. @ 1160.0 enter swamp @ 2380.9' ft E. temp. fractional $\frac{1}{4}$ a. cor. @ 2500' E. lv. swamp @ 2004.5' E. hub. @ 3500.6' E. temp. fractional $\frac{1}{4}$ s. cor. @ 4533.2' E. hub. @ 4821.2' E. temp. $\frac{1}{4}$ a. cor. @ 5913.4' hub. @ 6141.3' E. temp. E. $\frac{1}{4}$ a. cor. @ 6500 end swamp @ 7350 lv. swamp @ 7462.0' temp. sec. cor. @ 7660.62 set temp. sec. cor. which is 1.5' W & 13.8' N of old.

stake & old fence corner @ 7662.12 true corner to sec. 29-30-31-32
sets S. 13.8'

Monday May 29 - 1922 Sec. 31-136-31

B. M. Beach, Transit Geo. Pettigill, Vilas Drake, C. S. Granger, Vernon Drake
Fred Hewlett axmen. We start at fractional $\frac{1}{6}$ s cor. 1090.2' E. of cor.
124 to sec. 31-6-31-36 & turn angle of $91^{\circ}23'$ & run N. on a $\frac{1}{6}$ line thru
sec. 31. we hub & brush but do not chain this line. Quit about 10.24 a.m.

Wed. May 30th 1922. Same crew continue to hub and brush
E. fractional $\frac{1}{6}$ s cor. N. thru sec. 31-136-31 and fall 13.8 feet West of
true point for $\frac{1}{6}$ cor. on N. sec. line. P.M. we start at true point for W.
 $\frac{1}{4}$ s cor. bet. sec. 6+31. Turn angle of $91^{\circ}24'$ & run N. thru sec. 31.
125 We quit about 2 o'clock on account of rain.

Wed. May 31 - 1922. - same crew continue N. on E. fractional $\frac{1}{6}$ s line and
fall 14.7 feet W. of true point for $\frac{1}{4}$ s cor. on N. sec. line. In P.M. we start
at true point for E. fractional $\frac{1}{6}$ s cor. turn angle of $91^{\circ}20'$ & hub & brush
line N. thru sec. 31. and fall 8.3' W. of true point for cor. on N. sec. line.

June 1st 1922 Thursday. Same crew except Vern Drake. We start at
122 true point for $\frac{1}{4}$ s cor. bet. 31-6. Turn N.E. angle $91^{\circ}20'$ & run N. on
a $\frac{1}{4}$ s line @ 1051.7 hub. @ 1215.5 squared stump @ 1500 enter
swamp. @ 2095 hub. @ 2637.5 fence post @ 5000 leave swamp @
5300.0 temp $\frac{1}{4}$ s cor. bet. sec. 30-31 sets 70' E. In P.M. we start at

123 true point for E. $\frac{1}{6}$ s cor., turn N.E. angle of $91^{\circ}20'$ and run W. $\frac{1}{6}$ line
N. and fall 4.5' W. of true E. $\frac{1}{6}$ cor. bet. sec. 30+31.

Friday June 2nd 1922. We start at point 2660.4' S of the N.E. corner
of sec. 31. I turn S.W. angle $91^{\circ}24'$ and run W. thru the center of sec. 31
We set P.S. on E. $\frac{1}{6}$ line and intersect line @ 2646.8' N. We set P.S. on
124 east fractional $\frac{1}{6}$ line, fractional $\frac{1}{4}$ line and W. fractional $\frac{1}{6}$ line and fall
19' N. of S.W. $\frac{1}{4}$ cor. in center of trap road bet. sec. 36-31.

June 3rd 1922 Sat. We start at the established S. $\frac{1}{6}$ s cor. bet. sec.
31-36. Turn N.E. < of 91° and run W. on the S. $\frac{1}{6}$ line. Set P.S.
hubs on W. fractional $\frac{1}{6}$ line and fractional $\frac{1}{4}$ line. We cut about 400 ft
further and quit for dinner. No work in P.M. I go to Walker.

True June 4th 1922. I leave Walker on 8:45 A.M. train to resume survey
126 of sec. 31-136-31. I get Walker to Backus \$1.77 at Backus I hire Drake
Stayer to take me to Leader also to haul 30, 1 1/4" x 36" capped iron monuments
which we have made for us at the Mill Hut Co., Backus, Minn. I arrive in
Leader at noon. In the afternoon I look up my crew and prepare to work

to-morrow June 7th 1922. B. M. Beach, Transit, Geo. Pettigill, Vilas Drake,
Vernon Drake, C. S. Granger & Fred Hewlett axmen. We begin where we quit
126 June 3rd and continue E. on S. $\frac{1}{6}$ line. Set P.S. hub on E. fractional $\frac{1}{6}$
line and intersect $\frac{1}{4}$ s line at 1212.5' N. Set P.S. on E. $\frac{1}{6}$ line and intersect
E. sec. line @ 3996.9' S.

Thus June 8th 1922. We start at a point 1327.1' S on the east sec.
line & turn S.E. < of $91^{\circ}21'$ & run W. on N. $\frac{1}{6}$ line. We set P.S. hubs
on all N.E. lines. Set $\frac{1}{4}$ S. line at 3967.4' N. and fall 1.3' S of true
N. $\frac{1}{6}$ s cor. bet. sec. 36-31. Friday June 9th. B. M. Beach, Geo. Pettigill &

125 Vilas Drake set a 1 1/4" x 36" capped monument at each corner in sec. 31-136-31 except

the sec. corners and outside 1/4 s corner.

E. B. Hunt arrives and checks over work and notes and finds same O. K. except the settings of reinforced concrete monuments which have not yet arrived. E. B. Hunt.

July 8 + 10 - 1922. Sec 31-136-31.

E. B. Hunt - computing acreage & making plat of sec. 31-136-31. E. B. Hunt

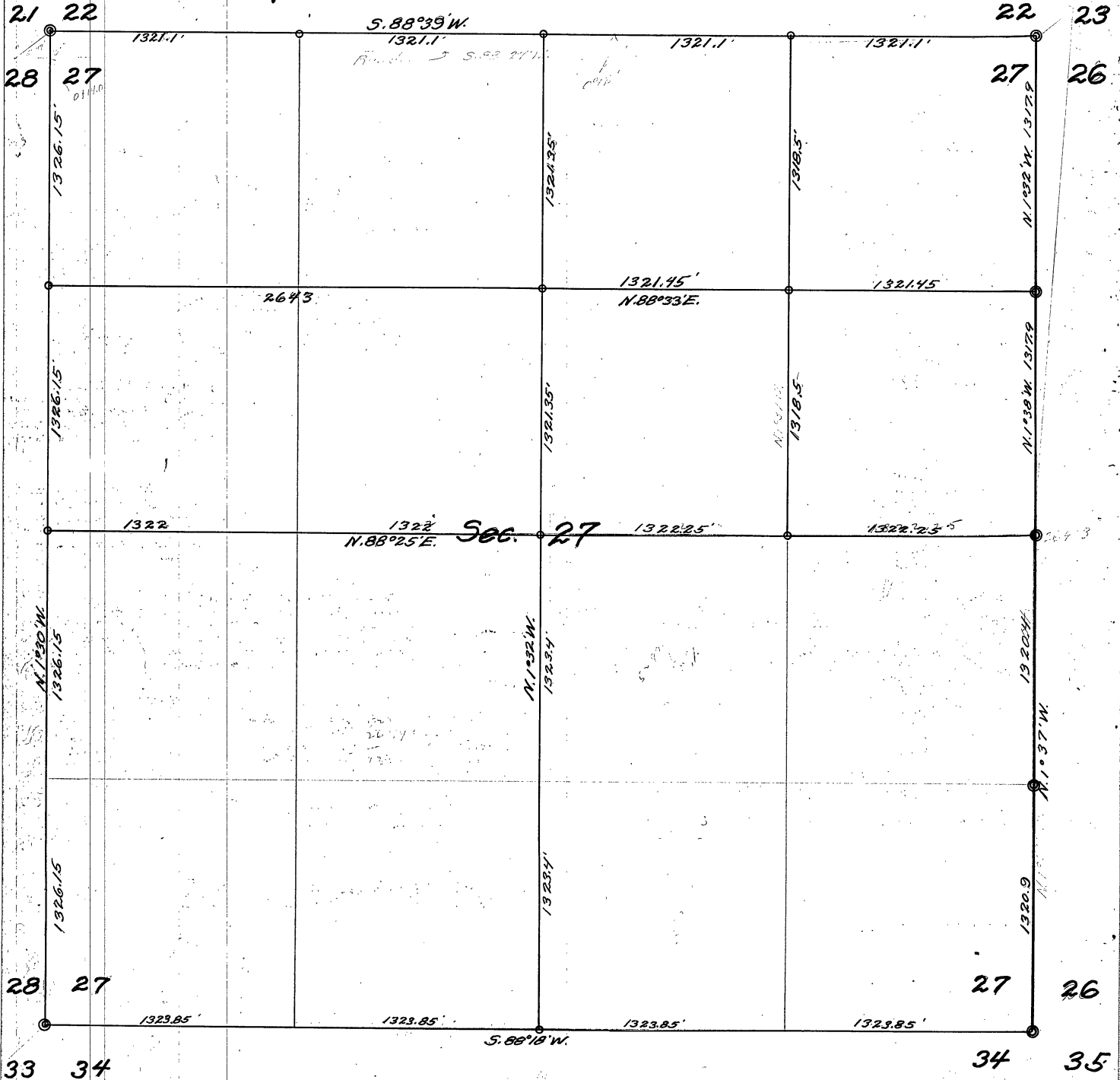
Time Sheet for May & June 1922 for 31-136-31

	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9
E. B. Hunt																		
B. M. Beach	1	1	1	1	1	S	1	1	1	1	1	S	0	1	1	1	1	1
Geo. Pettengill		1/2	1	1	1/2	S	1/2	1	1	1	1/2	S	0	0	1	1	1	1
Vilas Drake			1	1	0	S	1/2	1	1	1	1/2	S	0	0	1	1	1	1
C. L. Granger			1	1	0	S	1/2	1	1	1	1/2	S	0	0	1	1	1	0
Vernon Drake							1/2	1	1	0	1	1/2	S	0	0	1	1	0
Fred Hewlett							1/2	1	1	1	1	1/2	S	0	0	1	1	0
E. B. Hunt	1	1	1	1	1	S												1

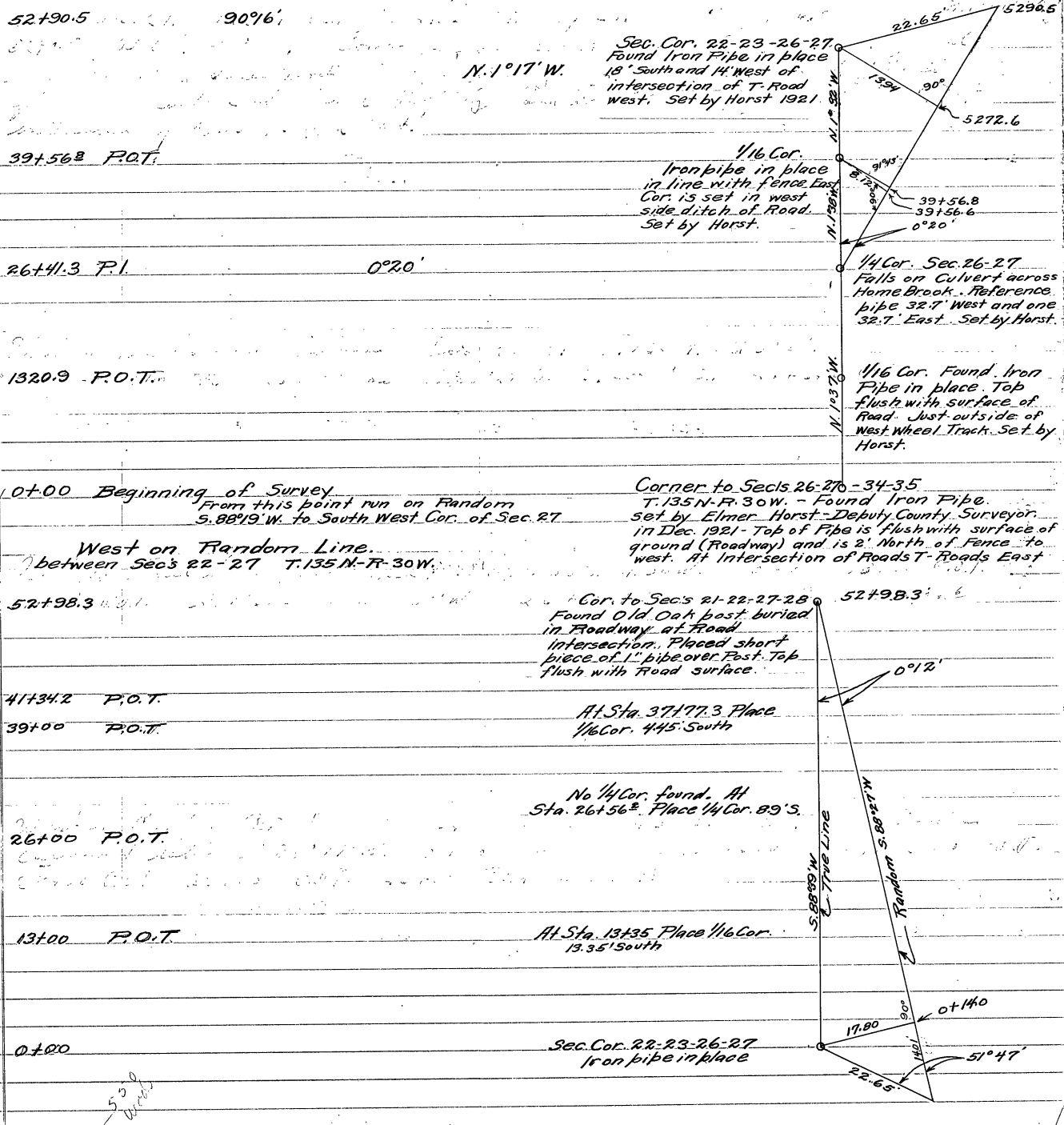
(254)

128 - F. 185

D
PLAT OF SURVEY RECORD No. 541
 SUBDIVISION of SEC. 27
 SEC'S 21-22-23-26-27-28-33-34-35, T. 135N. R. 30W.



Subdivision of Sec. 27 Twp 135 N. R. 30 W.
 Survey commenced Dec 21, 1925 Completed Dec 28, 1925.
 Personnel - Chief Party & Transcriber Walter Schultz
 Chainmen, Harold Schultz, R. Beyachan, Paul Hundell, Quentin Schultz
 Observer Herbert Beyachan & Beyachan
 North between Sec's 26-27 Bearings shown are true bearings
 Point Def. A L Def. A R.



52+90.5 90° 16'

39+56.8 P.O.T.

26+41.3 P.I.

1320.9 P.O.T.

0+00 Beginning of Survey

West on Random Line

52+98.3

41+34.2 P.O.T.

39+00 P.O.T.

26+00 P.O.T.

13+00 P.O.T.

0+00

SEC. Cor. 22-23-26-27
 Found Iron Pipe in place
 18' South and 14' West of
 intersection of T. Road
 West. Set by Horst 1921

1/16 Cor.
 Iron pipe in place
 in line with fence East
 Cor. is set in west
 side ditch of Road.
 Set by Horst.

1/4 Cor. Sec. 26-27
 Falls on Culvert across
 Home Brook. Reference
 pipe 32.7' West and one
 32.7' East. Set by Horst.

1/16 Cor. Found Iron
 Pipe in place. Top
 flush with surface of
 Road. Just outside of
 West Wheel Track. Set by
 Horst.

Corner to Secs. 26-27-34-35
 T. 135 N. R. 30 W. - Found Iron Pipe.
 set by Elmer Horst - Deputy County Surveyor
 in Dec. 1921. Top of Pipe is flush with surface of
 ground (Roadway) and is 2' North of Fence to
 West. At intersection of Roads T-Roads East

Cor. to Sec's 21-22-27-28
 Found Old Oak post buried
 in Roadway at Road
 intersection. Placed short
 piece of 1" pipe over Post. Top
 flush with Road surface.

At Sta. 37177.3 Place
 1/16 Cor. 445' South

No 1/4 Cor. found. At
 Sta. 26+56.8 Place 1/4 Cor. 89'S.

At Sta. 13+35 Place 1/16 Cor.
 13.35' South

Sec. Cor. 22-23-26-27
 Iron pipe in place

5' West

North on True Line between 27-28 T. 135 N. R. 30 W.

53+04.6

Cor's to Secs 21-22-27-28 - Found old Oak Post buried in Roadway - At intersection of Cross Roads - Placed short piece 1" Pipe over Oak post - Top flush with surface.

53+04.6

39+00 P.O.T.

At Sta. 39+78.4 Place 1/16 Corner

26+00 P.O.T.

S. 1°30' E.

No. 1/4 Cor found At Sta. 26+52.2 Place 1/4 Cor. 16.5' North to Fence west.

19+00 P.O.T.

or N. 1°30' W.

13+00 P.O.T.

At Sta. 13+26' Place 1/16 Cor.

0+00

Cor. to Sec. 27-28-33-34 T. 135 N. R. 30 W. Found Iron Pipe in place At intersection of T. Road West - Top of Pipe flush with Ground

Sta. 0+00

West on Random bet. Sec's 27-34, T. 135 N. R. 30 W.

Bearing of Random Calculated to be S. 88°19' W.

N. 1°32' W. True
N. 8°45' W. Mag.

Sta. 26+46.8 Set point for center Sec. 27

52+95.4

Cor. to Secs 27-28-33-34 T. 145 N. R. 30 W. (See description above)

46+00 P.O.T.

52+95.4

Sta. 13+23.4 1/16 Cor. 0.03' West

36+00 P.O.T.

28+00 P.O.T.

S. 88°19' W.

20+00 P.O.T.

No. 1/4 Cor. found Sta. 26+47.7 set 1/4 Cor. 0.5' S. R. N. 1°32' W. for 1/4 Line

14+00 P.O.T.

8+00 P.O.T.

0+00

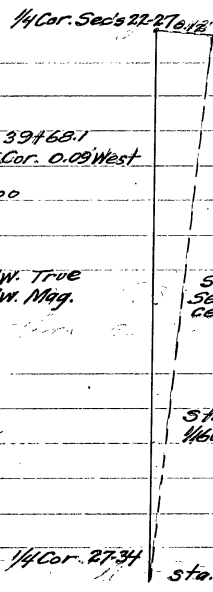
Cor. to Secs 26-27-34-35 See description 1/167 Found Iron Pipe in place - At intersection of T. Road West - Top of Pipe flush with surface of road.

3/20
1/16
1/16

TRUE LINE
N. 1°30' W.

TRUE LINE
S. 88°19' W.

Random Line
S. 88°19' W.



D

West on Random bet. Sec's 27-34
T.135N. R.30W.

North on Random thru center of N.E. 1/4

Bearing of random calculated
to be S.88°19'W

Bearing calculated N.1°34'W.

True line 1' South - Bearing S.88°18'W.
52+95.4 Cor. to 27-28-33-34
46+00 P.O.T.
36+00 P.O.T.
28+00 P.O.T. S.88°19'W. No 1/4 Cor. found. Sta. 26+47.7 set 1/4 Cor. 0.5' south. Run N.1°32'W for 1/4 Line
20+00 P.O.T.
14+00 P.O.T.
8+00 P.O.T.
0+00 Cor. to 26-27-34-35

26+37.0
13+34 P.O.T.
2+15.4 P.O.T.
0+00
East on Random thru center of N.E. 1/4
N.88°33'E. 26+42.9
21+00
12+00
0+00

North on random Line from S. 1/4 Cor. Sec. 27

West on Random thru center of N.W. 1/4

Bearing calculated N.1°32'W. - True line.

Mag. bearing N.8°45'W.

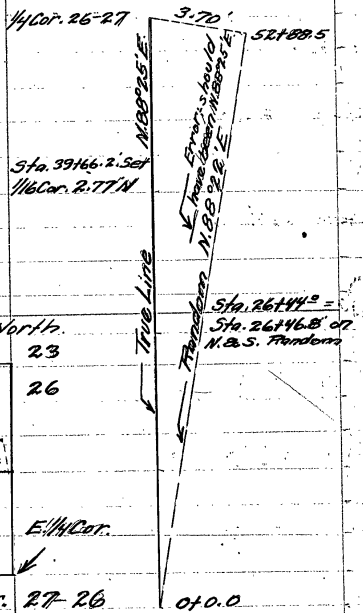
52+89.5 1/4 Cor. bet. 22-27
49+00 P.O.T. Sta. 3968.1 set
43+00 P.O.T. 1/16 Cor. 0.09' West
35+00 P.O.T. Sta. 26+46.8 for Center of Sec. 27, 0.06' West
26+00 P.O.T. Sta. 13+23.4 set 1/16 Cor. 0.03' West
17+00 P.O.T.
4+61.9 P.O.T.
0+00 1/4 Cor. Sec's 27-34

26+43
12+00 P.O.T.
9+00 P.O.T.
4+41 P.O.T.
0+00

East on ran. line from 1/4 Cor. 27-28

Ran. bearing = N.88°22'E. True bearing N.88°25'E.

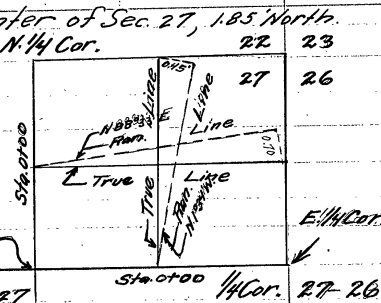
52+88.4 1/4 Cor. 26-27
36+00 P.O.T. Sta. 39+66.2. Set 1/16 Cor. 2.77' North
32+00 P.O.T. Sta. 26+44.0 = Sta. 26+46.8 on
21+00 P.O.T. N.S. Random. Set point for center of Sec. 27, 1.85' North.
9+00 P.O.T.
0+00 1/4 Cor. 27-28



North on Random Thru. center of N.E. 1/4 - Sec. 27

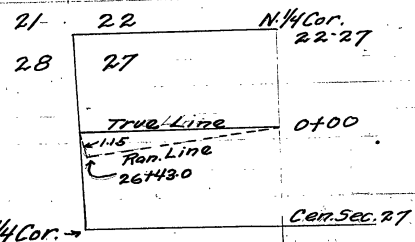
0+00 E. 1/16 Cor. on E. & W. 1/4 Line
26+37 N.E. 1/16 Cor.

Center of Sec. 27



East on Random Thru. center of N.E. 1/4 - Sec. 27

0+00 1/16 Cor.
26+42.9 1/16 Cor.



West on Random Thru. center of N.W. 1/4 - Sec. 27

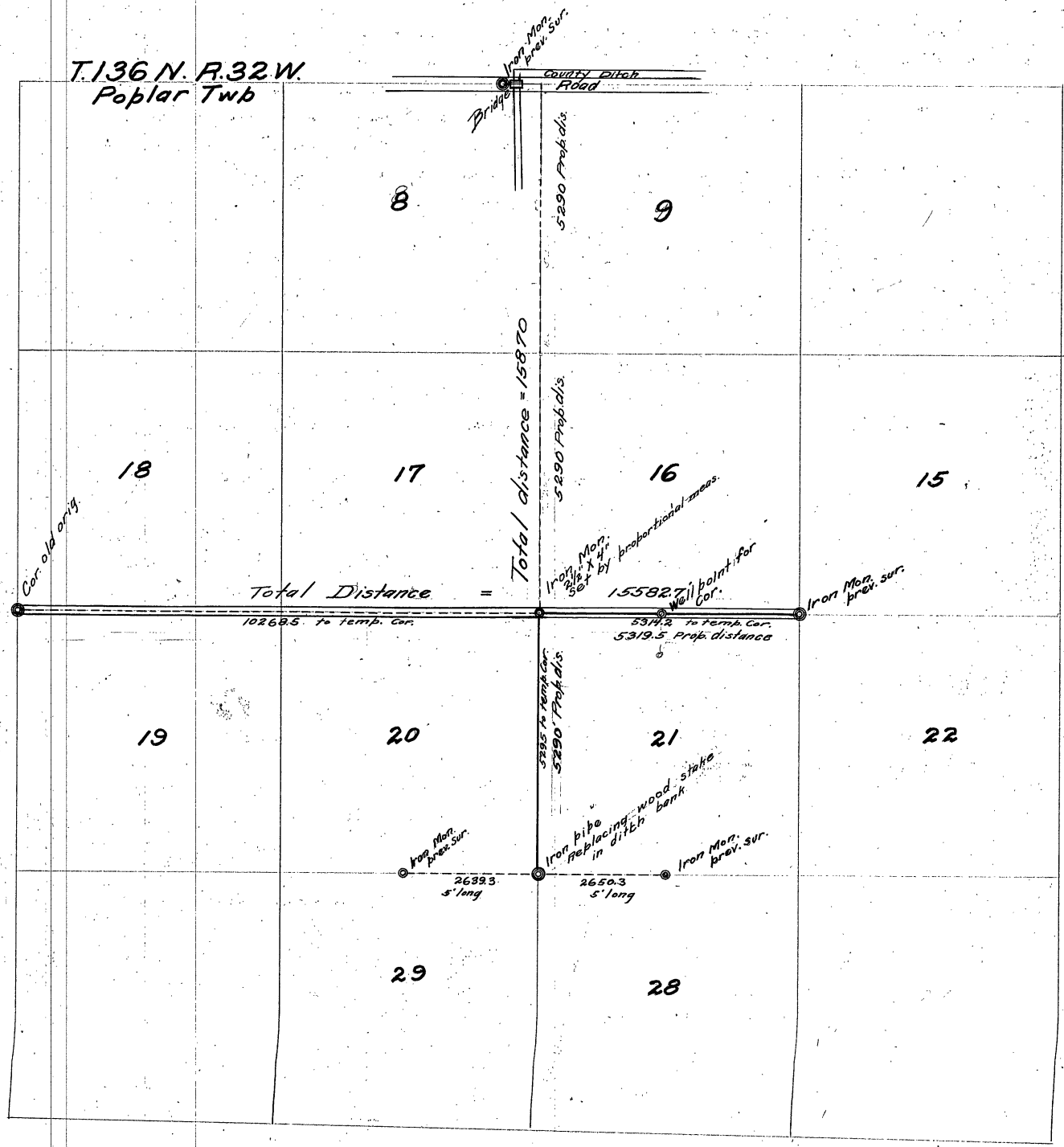
0+00 1/16 Cor.
4+41 P.O.T.
9+00 P.O.T.
12+00 P.O.T.
26+43 1/16 Cor.

Walter Schultz
Surveyed by Walter Schultz
Deputy County Surveyor.
Survey Commenced Dec. 21, 1925
" Completed " 28, 1925
Recorded Feb. 11, 1928 by
John N. Greene, County Surveyor.

W. 1/4 Cor. -

PLAT OF RECORD^D No. 542
SEC'S 4-5-8-9-15-16-17-18-19-20-21-22-28-29 T.136N.R32W

T.136 N. R.32 W.
Poplar Twp



July 7, 1926 Left Walker after collecting notes for Poplar Twp. Arrived at Charles Stone at noon. Made arrangements to board at Mrs. George Dewall. P.M. Made Larue Johnson & John Hrobsky chainmen and started them chaining west from Cor. 15-16-21-22. At 5314.2 feet west set an iron pin for temp. cor. for 16-17-20-21. Ran south 5280 ft. Horst's notes call for stake and Iron Pipe for corner. We go east to 1/4 corner between 21-28 and chain west 2650.8 feet on Horst's random line. Dig at proper distances and find nothing. Chain west 2640 ft and find B. T. (Horst) for 1/4 corner between 20-29. Measure off distance called for and find monument. Chain east 2629.3 feet and dig for corner. This point falls about 10 ft west of chainage from east. We dig until the two holes are connected and find old stake with scribble marks and a hub, evidently set by Horst about half way between the two points. We find no trace of the Iron Pipe and decide that it was either not set or else had been pulled up when ditch was dug. Dailey furnishes an iron pipe which we drive in stake hole. This point checks within six inches of Horst's reference point, and is 5295 ft south of temp. cor. (or 157.5280). We then go to point on road a mile north and start brushing north. Stone takes the chainmen two miles west to known corner on Range line and they chain east to our temp. cor. of 16-17-20-21. This distance is 10268.5 feet. They then chain along our random line north as follows, Sta. 0 is temp. corner 16-17-20-21. Hub at 1825.4, angle right 0 degrees 25 minutes, Hub at 2111.5, angle left 0 degrees 30 minutes left. Hub at 2884.3, angle right 0 degrees 25 minutes, Hub @ 5288.7 intersect a line run east (and west by Poor but not proportional north and south. Set hub at 5295. Quit for Night.

July 9 - Rain all day do not work.

July 10. Start at Hub 5295 and run north on same variation at 2610 set hub. at 5282.9 set hub. Find stump of bearing tree set by Poor to original cor. and recorded as Balm of Gilead 10 S. 35 1/4 E 144 ft. Poplar 8 7/8 S. 44 E 144.5 ft and from these locate iron monuments in ditch bank 125.3 ft west of station 5282.3. L 1° 21' cor 2.3'. Total distance for the three miles north & south equals 15,870 feet. Horst's notes show all three miles equal. Each mile is then 5290 feet long. Temp. cor. 16-17-20-21 is 5295 feet north of true corner 20-21-28-29 so proportional corner goes south 5 ft from temp. cor. 16-17-20-21 where we set pin.

Total distance east and west is 15,582.7 ft. throwing the corner 5219.5 ft west of cor. 15-16-21-22 and 5.3 ft west of our temp. cor. We set iron pipes 2 1/2 inches by 4 ft at true cor. by proportional measurement north south east and west. In the hole where we set the pipe we throw a mound of rocks to mark the corner in case the pipe should be pulled up. We then break and picket true line south to corner 20-21-28-29.

We then set a well point for 1/4 cor. bet. 16 and 21 with one B.T. as follows. J. Pins 8" S 2 E 51.8 ft. on a straight line and half way between the section corners. This completes the work. Return to Walker. John M. Greene

Time as follows. J. S. Lower Recorded by Larue Johnson
 J. M. Mitchell John M. Greene, County Surveyor John Hrobsky
 L. S. Johnson Chas. Stone

no work

Notes of Peter Staub Road.

May 22, 1926. Set flag at stone monument at $\frac{1}{4}$ cor. between sec's 28-29-123-29 and chained south, 2589.2' to a point in the middle of the road, and thence as follows:-

S 10 degrees - 0 minutes	W.	169.7 feet
S 1	W	576.5 "
S 2	E	251.9 "
S 19	E	100.0 "
S 27	E	100.0 "
S 33	E	100.0 "
S 40	E	100.0 "
S 41	E	103.4 "
S 71	E	21.5 "

to point in line with center line of bridge. Bridge bears S 48 degrees 01 minutes W. 44.4 feet to end of bridge and bridge is 281.6 feet long and 16 feet wide. This point I called point of beginning of the Peter Staub Carthway. Thence S 71 degrees 02 minutes E 805.5 feet.

May 24.	N 89	09	E	152.5 "
	S 28	50	E	326.1 "
	S 13	22	E	212.4 "
	S 15	46	E	211.7 "
	S 23	39	E	125.0 "
	S 23	56 $\frac{1}{2}$	E	189.9 "
	S 2	40	W	246.0 "
	S 7	31	W	283.6 "
	S 10	31	W	230.2 "
	S 1	08	W	102.3 "
	S 13	05	E	758.2 "
	S 23	22	W	276.9 "
	S 49	38	W	197.7 "
	S 29	10	W	151.4 "
	S 9	49	W	164.2 "

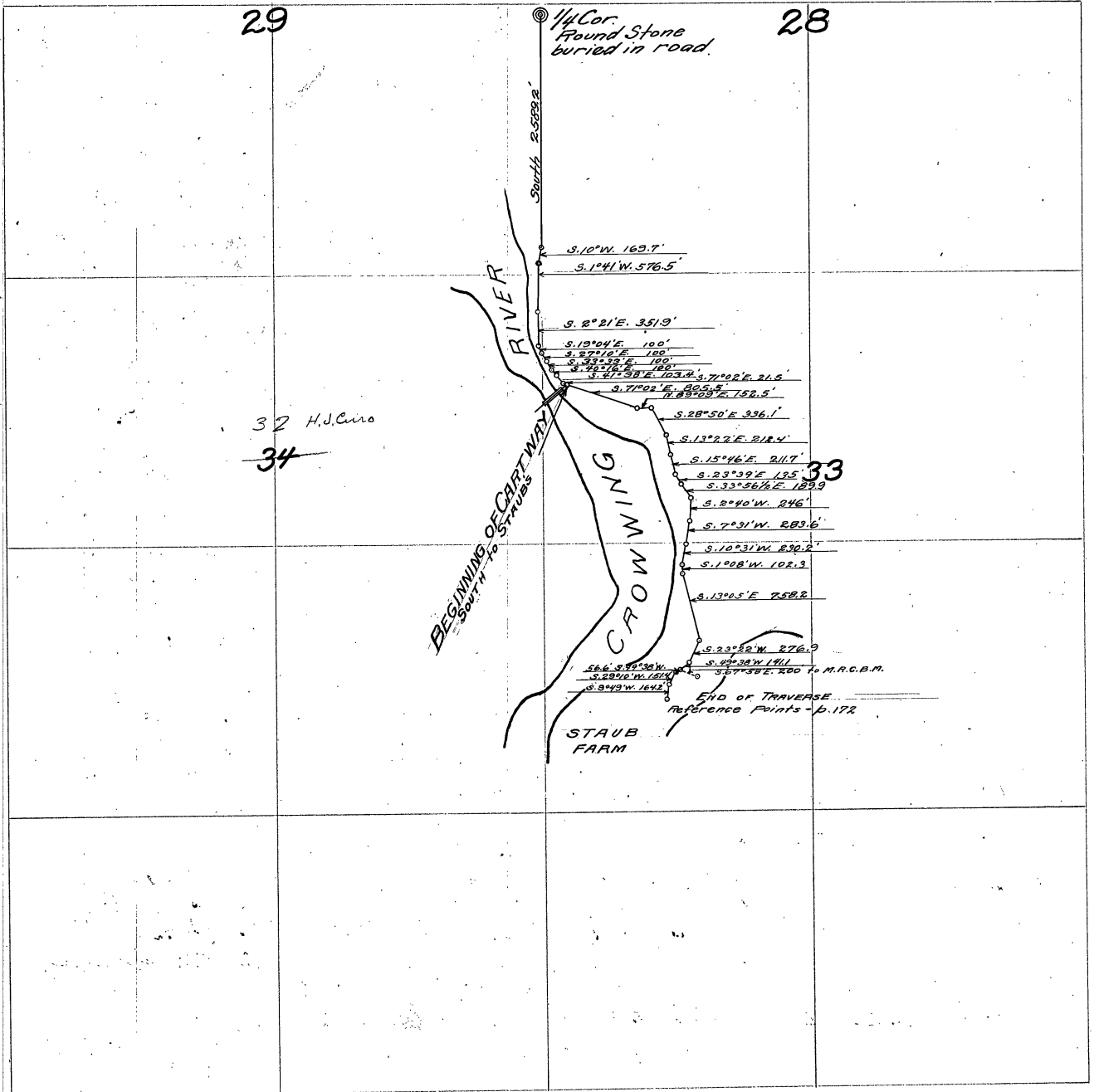
Peter Staub's line we put in a point with the following reference points:

Norway Pine	14"	N. 63 degrees	14 minutes	W	121.1 feet
Oak	4"	N. 29	"	E	31.9 "
Oak	6"	N. 21	"	E	43.3 "

John M. Greene

RECORDED BY John M. Greene, County Surveyor

PLAT OF RECORD No. 543
SEC'S 28-29-33-T.133 N.R.29W.



174

D
PLAT OF RECORD No. 544.
 3-4-5-9 T.133 N.R.29 W.
 32-33-34 T.134 N.R.29 W.

32

33

33

34

5

4

4

3

South

Hub 2087.7 South of Cor. $\frac{32}{5}$ / $\frac{33}{4}$

S. 30° 32' E. 336'

173.5'

Hub

S. 88° 34' E.

Center Sec. 4
Iron five pipe.

1338.9'

1321.9' N. 0° 21' W.

ANDERSONS CHANTRY

Pin for
Computed
1/16 Cor.

1/16 Cor.
Iron five pipe.

2676.8

1338.9'

N. 0° 30' W. 2579'

Iron Mon.

County Line

SECTION 9

Notes of Anderson Carthway Sec. 4-133-29
Sylvan Township

Reference Points to N.W. corner Section 4 are as follows:-

Oak 15" N 88-14 E. 64.9 ft.

Oak 9" N 62-18 E 29.6 " Using this as point

of beginning we run South on line with the $\frac{1}{4}$ corner between 4+5 a distance of 2087.7 feet to a point; thence S. 20 degrees 22 minutes E a distance of 513.6' to a point on the East and West $\frac{1}{4}$ line random; thence S. 88-34 E (this point being 673.5' east of the $\frac{1}{4}$ cor.) a distance of 1995.4' to a point 0.65' north of a pipe set for center of Sec. 4. thence along the same line 2663.9 ft to a point 5.1 ft north of east $\frac{1}{4}$ cor. Sec. 4; thence N. 0-30 W. 2579 ft to a pin set for the N.E. cor. Sec. 4.

We then go to the south $\frac{1}{4}$ cor. Sec. 4 and run north on line with a stake (monument) set for the north $\frac{1}{4}$ cor. Sec. 4 and intersect the E. W $\frac{1}{4}$ line random at a point 12.9 ft. West of the pipe formerly set for the center. 2663.9 plus 12.9 = 2676.8' - $\frac{1}{2}$ of which is 1332.9', which is the distance to the east $\frac{1}{4}$ corner. The south end of Anderson's Carthway. The N. & S. $\frac{1}{4}$ line bears N. 0-21 W. A mean between this and the bearing of the east sec. line north of the east $\frac{1}{4}$ cor. is N. 0-21 W. We set an iron pipe at the E. $\frac{1}{4}$ cor. and run North 1329.1 ft and drive a pin for the north end of Anderson Carthway

May 21 + 22, 1926

390.

John M. Greene

Recorded by John M. Greene, County Surveyor.

600
Wm. J. Greene

Report on highway survey and location in Township of Slater
in Section 28 to West Quarter post, thence north
on Section lines to East Quarter post
For S. Sec. 17, Said Town
except around swamp as follows to wit:

May 17th 1926, beginning at point 560 feet east of the south Quarter
post for section 28, 142-26 (Slater) Township, Cass County, Minn. then
N. 75° West, then according to the curvature of the "Soo" Ky. and
8.3 ft. northwesterly there from to wit:

- Sta # 2 centre of established highway
- " 3 + 25 Culvert
- " 4 centre of old road
- " 7 Culvert
- " 9 + 00 "
- " 10 + 25 enter cultivated ground
- " Station 1 Sta 10 + 20 scattering timber and rolling
- " 10 + 00 Leave clearing
- " 17 + 20 enter brush
- " 22 leave brush
- " 22 + 00 enter marsh
- " 23 + 75 leave marsh
- " 25 + 30 wire fence enter cleared land
- " 33 + 60 "
- " 34 + 90 "
- " 40 + 60 "
- " 40 + 73 intersect section line 322 ft. south of west 1/4 S. 28
- " 43 + 90 Quarter post for sections 28 + 29 said town, 2036 ft. South
to corner
- " 57 enter burned marsh
- " 58 + 80 leave burned marsh
- " 70 + 01 set oak post for corner to sections 20, 21, 28, & 29
said town.

Flat boulder for witness: cross river boulder N. 42 1/2 E. 51 ft.
Sta 108 + 70 detour west around marsh to wit: North 33 West.

- " 110 N. 49 west
- " 112 N. 20 west
- " 113 N. 3 and half west
- " 118 N. 35 west
- " 119 N. 32 west
- " 120 N. 10 east
- " 121 N. 22 east
- " 122 N. 29 east
- " 123 N. 32 east
- " 124 N. 24 east
- " 125 N. 8 + 1/2 East 1430 ft. to section line 1089 ft. South of

Continued from below
Sta. 139 + 30 north on section line
for sections 16-17, said town.
Sta 100 + 34 Quarter post for sections
16 + 17, said town where this survey connects
with an established highway extending north
and east. Total length of this survey is
15.034 fth. or 804 less than 3 miles.
Survey began May 17, 1926. ended May 21, 1926.
J. L. T. Flynn - Surveyor

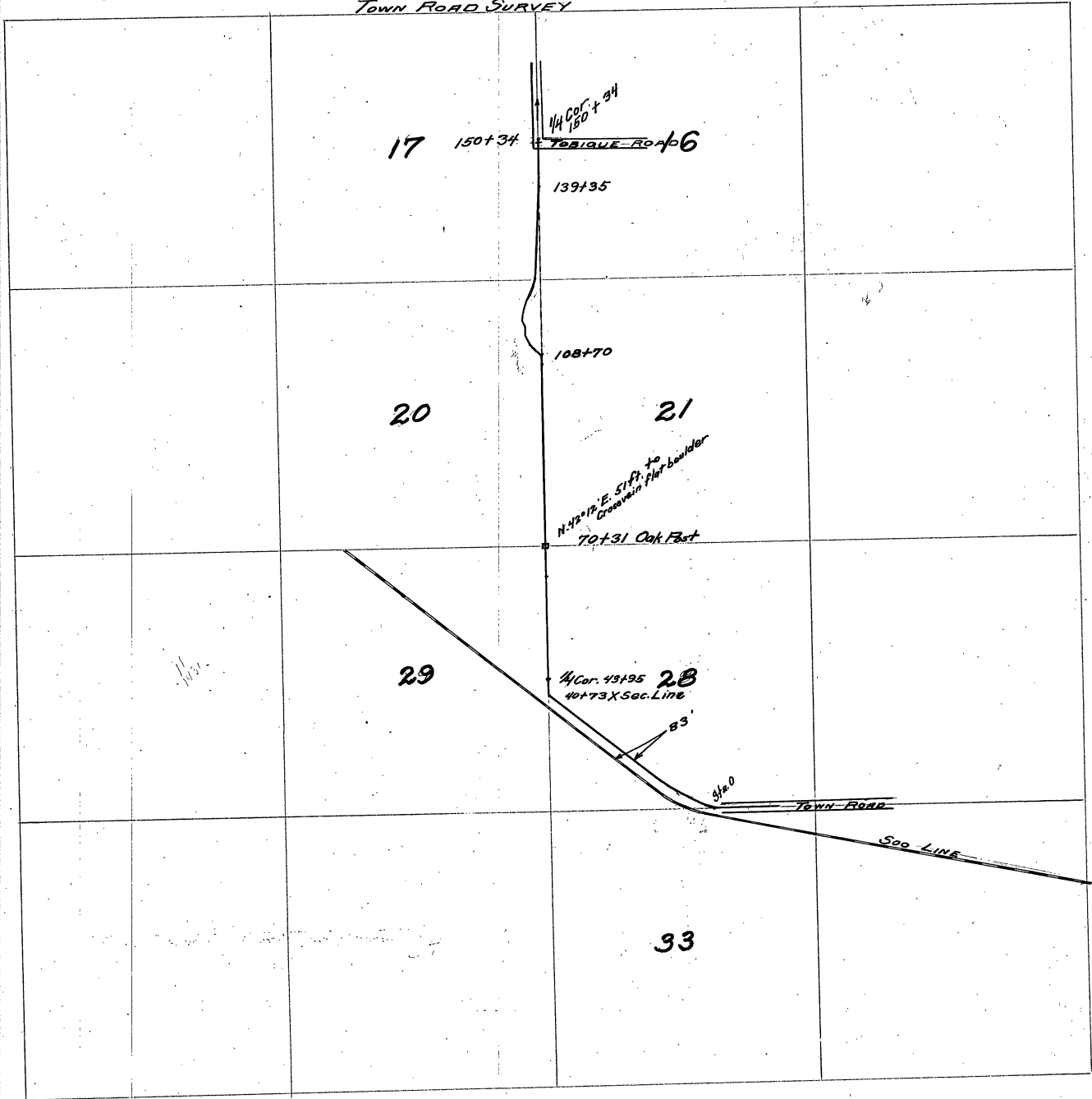
Cont. 1/4 post for section 17 said town Recorded Feb. 4, 1928
(See insert above)
John M. Greene
County Surveyor

PLAT RECORD No. 545

T. 142 N. R. 26 W.

SECTIONS 16-17-20-21-28-29-33

TOWN ROAD SURVEY



Some as 5/10

May 15 + 16 - 1922

E. B. Horst + B. M. Beach copy Field notes of Moose Lake Twp. for Subdiv. of Sec. 31. Also part of 135-31, 135+136-32. Copy Baldwins survey. E. B. Horst.

Tuesday - May 23, 1922. E. B. Horst + B. M. Beach in Horst's Ford drive to Sec 31 via Bachus but have car trouble and stay in Bachus overnight, resume journey tomorrow. E. B. Horst.

Wed. May 24, 1922. E. B. Horst transit, B. M. Beach chain, Geo. Pittingill Ave. Commencing at the S.W. corner of Sec. 31-136-31 which is a stone in the center of a county road well chain n. 1°10' W on road centre 1321.2 + set hub, thence north 1321.2 + set temp. 1/4 S. cor. thence N. 1321.2 + set temp. N. to cor. thence N. 1321.2 to sec corner in center of Co. road which we locate from B.T.s marked by Baldwin when he surveyed this road. I turned N. 89° 30' E + run E between sec 30-31. at 568.0 E cross fence, 471.9 hub. 1060.62' set a for temp fractional W. to cor.; 1160.0 int. swp. 2380.62 set temp. fractional 1/5 cor. 2500.00 br swp.

Thurs. May 25 - 1922. 3104.32 E hub, 3700.62 E set temp. fractional 1/6 S cor, 4232.4 hub, 5020.62 set Temp. 1/4 S. corner. 6113.4 hub, 6340.62 set temp. E to S corner, 7660.62 set temp sec cor to sec 29-30-31-32. and look for B.T.s but find nothing. From 1 hub at 7660.62 E I turn S. 1°42' W + run S on sec. line between secs. 31 + 32. at 1320.0 set hub for temp 1/16 S cor. 1500.0 swp. at 2640.0 S set stake for temp 1/4 S cor bet. sec 31 + 32. No B.T.s. at 2800 leave swp.

Friday - May 26 - 1922. E. B. Horst transit, B. M. Beach + Geo. Pittingill chain plus Drake + C. D. Granger Ave. We continue south from 2640 bet. sec 31 + 32. at 2796.0 S hub, at 3300.0 S hub at 3960.0 S hub for temp 1/6 S cor, at 5307.0 S hub in center of road. True cor. to sections 0-6-31-32 sets 186.0' E which we locate from two people bearing trees marked by W. T. Baldwin in 1916. Beginning at the established corner of sections 0-6-31-32 we run S 89°45' W on the Township line between sec 6 + 31. Sec 0-6-31-32 = 0.00' W at 100 W enter swp. at 186.0' W int. random E sec line of sec. 31. I read N.W. angle which is 88° 37'. at 1100' W br swp. at 1321.6 W set temp. E 1/16 S cor. at 1464.5 W hub set about 25' N of Mrs. Penders fence. at 2643.2 W set temp 1/4 S cor. at 2643.2 W set temp 1/8 cor. at 2937.3 hub. at 3642.7 hub. " 3700.0 enter swp. at 3964.8 set temp. 1/6 S cor. " 4280.0 br swp. " 4433.2 hub. " 4700.0 hub. at 5078.0 hub. " 5286.4 set temp functional 1/4 cor. at 5063.1 hub. " 5718.4 hub int swp. at 7471.6' hub leave in swp. at 7668.0 true sec. cor. to sec. 1-6-31-36 sets 3.0' S.

May 27 1922 - Beach + Pittingill rechain N. line of sec. 31. at 871.9 ft E. hub. at 1060.0 ft E temp. fractional 1/16 S cor. " 1160.0 int swp. " 2380.9 ft E temp " 1/4 S cor. " 2500.0 ft E. br swp. " 3004.5 " hub at 3000.6 temp fractional 1/16 S cor. " 4533.2 " hub " 4821.2 " temp 1/4 S cor. at 5913.4 ft E hub. " 6141.3 " temp E 1/16 S cor. at 6500 int swp. at 7300.0 br swp. " 7962.5 temp sec cor. at 7660.62 set temp sec cor which is 1.5' W + 13.8' N of old stake and old fence corner. at 7662.12 true corner to sections 29-30-31-32. sets S 13.8'

Monday - May 29 - 1922 - Sec 31-136-31

B. M. Beach Transit, Geo Pittengill, Wila Drake, C. J. Granger, Fred Hewlett Apemen.
We start at fractional $\frac{1}{16}$ cor. 1040.2 E of cor to secs. 1-6-31-36. turn angle of $91^{\circ}23'$ + run N on a $\frac{1}{16}$ line thru sec. 31. We hub + brush but do not chain this line - We quit at about 10 a.m. on account of rain.

Tuesday May 30 - 1922. Same crew continue to hub and brush E fractional $\frac{1}{16}$ line N. thru sec. 31-136-31. and fall 13.8 feet west of true point for $\frac{1}{16}$ cor on N. sec. line. P. M. We start at the true point for West $\frac{1}{4}$ cor. bet. secs 6 + 31. turn angle of $91^{\circ}24'$ and run N. thru sec 31. We quit about 2 o'clock account of rain.

Wed. May 31 - 1922 Same crew continue N. on E. fractional $\frac{1}{4}$ line and fall 14.7 ft. west of true point for $\frac{1}{4}$ cor. on N. sec line.

In P.M. we start at true point for E. fractional $\frac{1}{16}$ cor. turn angle of $90^{\circ}20'$ + hub + brush line N. thru sec 31. and fall 8.3' west of true point for cor on N. sec line.

Thursday June 1. Same crew except Wila Drake. We start at true point for $\frac{1}{4}$ S. cor. bet 31-6 turn N.E. $< 91^{\circ}20'$ + run N. on a $\frac{1}{4}$ S. line. at 10:51.7 hub.

at 1315.5 squared stump at 15:00 enter swamp at 2095' hub.

at 2632.5 fence post " 5000 leave swamp " 5:30.8 temp. $\frac{1}{4}$ S. cor bet sec

30-31 sets 7.0 E. In P.M. we start at true point for E. $\frac{1}{16}$ S. cor. turn N.E. angle of $91^{\circ}20'$ and runs W $\frac{1}{16}$ line N and fall 4.5' W of true E $\frac{1}{16}$ cor bet secs 30 + 31.

Friday June 2. We start at a point 2660.4' S. of the N.E. cor of sec 31. I turn S.W. angle $91^{\circ}24'$ and run W. thru the center of sec. 31. We set P.I. on E. $\frac{1}{16}$ line and intersect E. at 2646.8' N. We set P.I. on E. fractional $\frac{1}{16}$ line fractional $\frac{1}{4}$ line and W. fractional $\frac{1}{16}$ line and fall 1.9' N. of I.M. $\frac{1}{4}$ cor. in center of trap road bet sec. 36-31.

Sat June 3. We start at established south $\frac{1}{16}$ S. cor. bet. secs 31-36. turn N.E. $<$ of 91° and run west on the south $\frac{1}{16}$ line. Set P.I. hubs on W fractional $\frac{1}{16}$ line and fractional $\frac{1}{4}$ line. We cut about 400 farther and quit for dinner. We work in P.M. I go to Walker.

Tues. June 6. I leave Walker on 8.45 A.M. train to resume survey of sec 31 trap 136, Rge 31. Take Walker to Backus (D). at Backus I hire Frank Hayes to take me to Leader also to haul 30, $1\frac{1}{2} \times 36$ " capped iron monuments which we have made for us at the Hill Hardware Co - Backus mine. I arrive in Leader at noon. In the afternoon I look up my crew and prepare to work tomorrow.

Wed June 7th B.M. Beach, Transit, Geo Pittengill, Wila Drake, Wila Drake, C. J. Granger, + Fred Hewlett, Apemen. We began where we quit June 5th + continue E. on S $\frac{1}{16}$ line. Set P.I. hub on E. fractional $\frac{1}{16}$ line and intersect $\frac{1}{4}$ S. line at 1312.5' N. Set P.I. on E. $\frac{1}{16}$ line and intersect E. sec. line at 3996.9'

Thurs. June 8. We start at a point 1332.1' S. on the E. sec. line turn S.E. angle of $91^{\circ}21'$ + run W. on N. $\frac{1}{16}$ line. We set P.I. hubs on all N. + S. lines. Int. $\frac{1}{4}$ S. line at 3967.4' N. and fall 1.3' S. of true N. $\frac{1}{16}$ S. cor. bet. secs 36-31.

Friday June 9th B. M. Beach, Geo Pittengill, + Wila Drake set a $1\frac{1}{2} \times 36$ " capped galvanized iron monument at each corner in sec. 31-136-31 except the section corners and outside $\frac{1}{4}$ S. corners. E. B. Harst arrives and checks over work and notes and finds them O.K. except the setting of reinforced concrete monuments which have not yet arrived.

E. B. Harst,

100' west

Completion of sub-division of Sec. 31-136-31 by John M. Greene, County Surveyor.
I was requested by the County Board to complete E. B. Horst's survey begun under his
contract of Aug. 2nd, 1921. I found all monuments had been set by Horst except the
Section and Quarter corners. After checking his hubs and wooden stakes, I
placed Iron Monuments at all corners not already monumented. Assisted by
Fred H. Hewlett and John D. Drake. June 1925 John M. Greene.
New Bearing Trees were blazed for the following corners:-

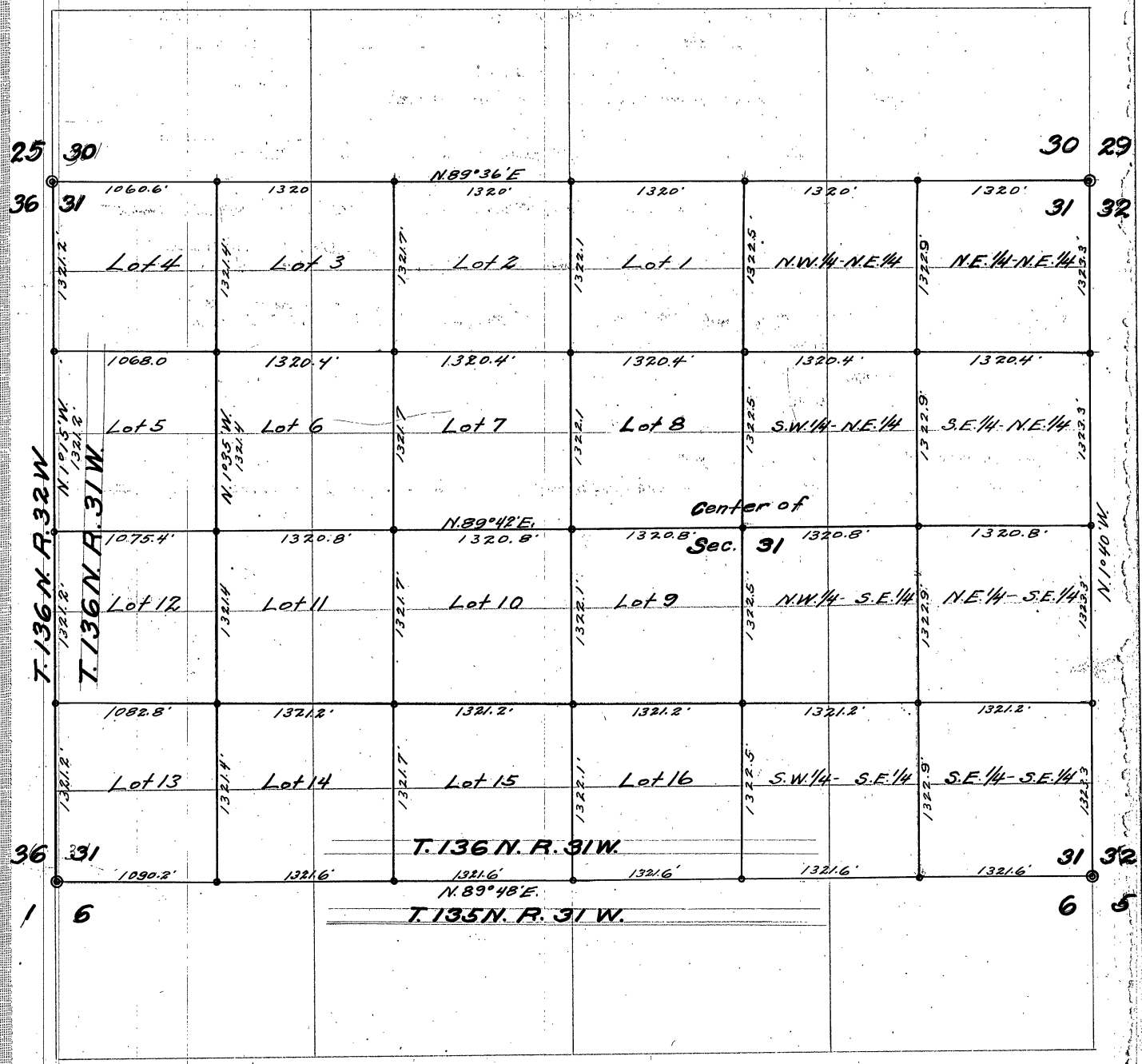
N.W. Cor. Sec. 31	Elm 6" N. 60° E. 44'	N. 1/4 Cor. Sec. 31	Poplar 10" N. 70° W. 59.2'
	" 7" N. 37° W. 54.8'		" 6" S. 45° W. 28.4'
N.E. Cor. Sec. 31	Birch 2" N. 30° E. 10.7'	E. 1/4 Cor. Sec. 31	Oak Stake - scribed 1/4 Cor. B.T.
	Oak 2" S. 40° W. 22.7'		S. 55° E. 34.5'
S. 1/4 Cor. Sec. 31	Poplar 12" S. 45° W. 51'	S.E. Cor. Sec. 31	Poplar stp. North 26.2'
	" 12" S. 40° E. 42'		" " N. 66° W. 40.0'
S.W. Cor. Sec. 31	Tel. Pole S. 26° W. 60'	W. 1/4 Cor.	Oak 5" N. 48° E. 25.3'
	Poplar 6" N. 70° E. 31'		Oak 6" S. 75° E. 51.0'
	Sign post (Malley) ^{14 1/2} S. 47° W. 35.5'		
	Sign post (Bachus) ^{32 1/2} N. 60° W. 25.6'		
	Poplar 4" S. 43° W. 54.3'		

Checked, approved & recorded July 2, 1925.

Survey Record Book, Jan. 1928 by John M. Greene, County Surveyor, Cass County, Minn.

PLAT OF RECORD No. 546

SEC. 25-36 T. 136 N. R. 32 W.
 SEC. 5-6 T. 135 N. R. 31 W.
 SEC. 29-30-31-32 T. 136 N. R. 31 W.
 SEC. 1 T. 135 N. R. 32 W.

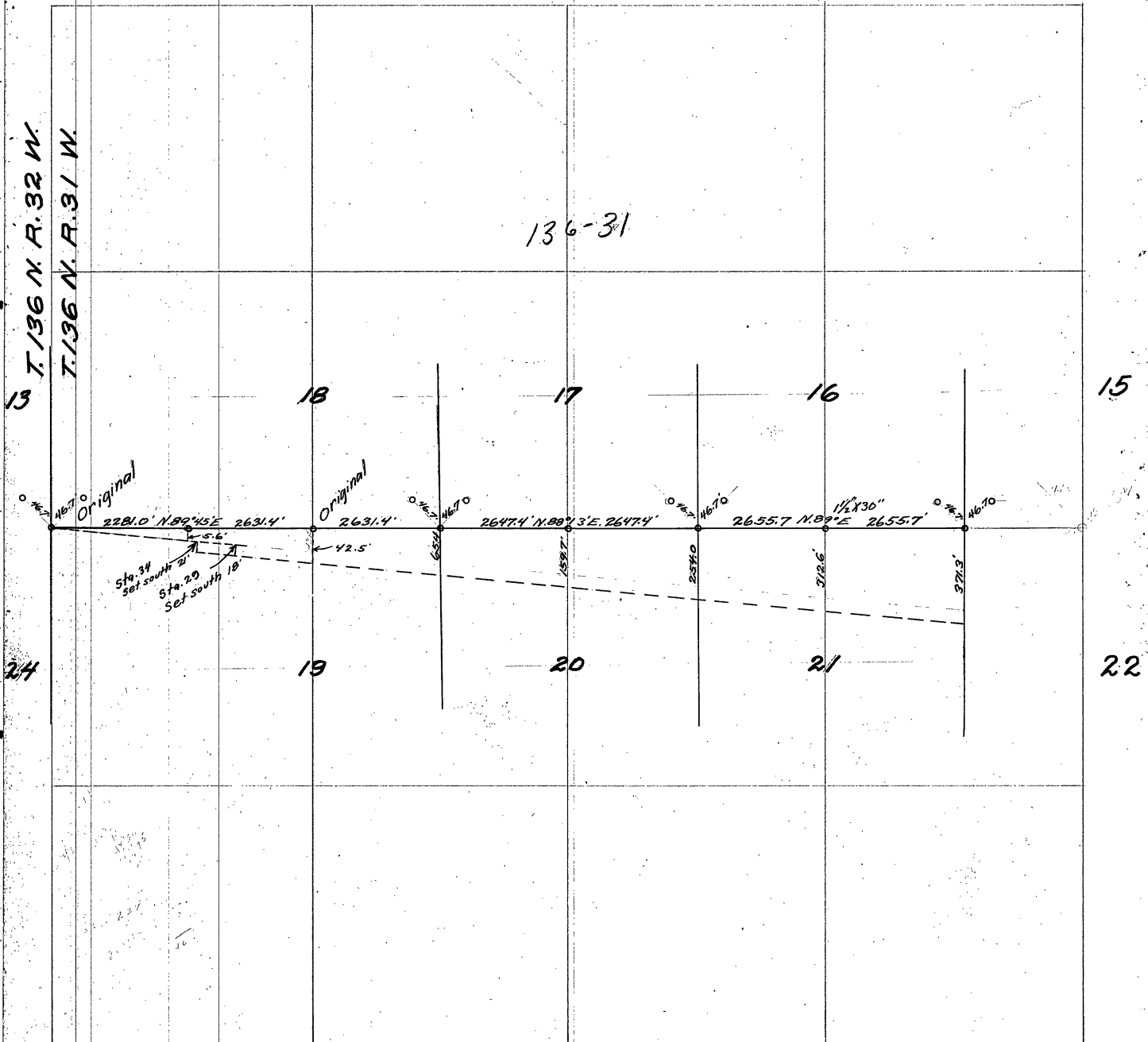


PLAT RECORD No. 547

SEC'S 13-14,

T. 136 N. R. 32 W.

SEC'S 15-16-17-18-19-20-21-22, T. 136 N. R. 31 W.



Town Road in Moose Lake Twp.

Monday June 12 1922. E.B. Drost and Ben Beach begin survey of a trap road bet
 sec 18-19-17-20, 16-21, Twp 136 N, Rge 31 W. 5th P.M. We go to cor. of sec. 18-19-136-31
 and sec. 18-24-136-32. which is in the center of a trap road on the range line and which
 was established by Baldwin in 1916. Baldwin's notes call for a Tam Stub - Tam Stub.
 We find the stump of the S.W. tree plainly marked from which we establish corner. The N.E.
 tree has been removed in ditch construction, but the roots are still visible and check for
 course and distance. We set hub at true point for cor. and run south 89°40' E. bet.
 sec 18-19. at 850.0 to swamp. at 1050.0 set trap stake
 at 1532.4 hub " 2900.0 set hub at 3400 set hub from which I
 correct line 521.0' to center of bushed out road, I then correct hub at 2900 E., 17,88' S. set
 instrument over corrected hub at 3400.0' E. back sight on corrected hub at 2900 and cont. E.
 Slight showers all after noon. We cut about 200 ft farther and quit for night.
 Ben Beach.

Tue. June 13, 1922. Ben Beach Transit. Wils Drake, Reuben Weenboldy, Rude Nelson
 Gemen. We continue E. bet sec 18-19-136-31, at 380-40' hub.
 At 4000 end swp. at 4250.0 leave swp. at 4900. set hub and look
 for U.S. B.T.s. where govt notes call for asp. 10 5.61°30' E. 19.8'; Asp. 14N. 30° E. 2376.
 We make a thro search for some evidence of corner but are unable to find anything.
 Cont. East. at 5090 end swp. at 5300.0 leave swp. at 5432.5 hub.
 " 5550 " " " 6000 " " " 6479.0 hub.
 " 7105.3 hub " 7500.0 hub temp. sec. cor. to sec. 17-18-19-20
 Govt. notes call for Oak 65. 40° E. 21.12'. Oak 75. 20° W. 15.18' Oak 5-N. 46° 30' W. 4.62'
 W Birch 7N. 55° W. 7.92'. We search for corner but find nothing. Cont. E.
 at 7758.2 hub. at 8699.3 hub. Ben Beach.

Wed. June 14, 1922. Savine Crew cont. E. bet sec 17-20-136-31. 68
 at 9152.3' hub at 9257.0' old road bears NW-SE. at 9390.0 end S edge of marsh
 at 9460 leave edge of marsh at 9530 end Lake N. edge at 9720 to lake.
 " 9773.6 hub " 9800 end lake " 9915 to lake.
 " 10277.5 cross fence " 10299.8 hub temp 1/4 S. cor. bet sec. 17-20 We
 search for U.S. B.T.s. where govt notes call for. Nor Pine 24N. 11° W. 24 lbs.
 Nor Pine 29S. 36° W. 52 lbs. but are unable to find anything. Continue East.
 at 10841.3 hub. at 11235.0 end marsh at 11310.0 to marsh.
 " 11450.0 end marsh " 11580' to marsh. Talk about mosquitoes. They are
 lined up 500 deep waiting to get a chance at us. We cut about 2000 ft farther and
 cross a wire fence near the sec. line. We search for U.S. B.T.s. At cor. to sec.
 16-17-20-21 where govt notes call for Nor Pine 24N. 3° E. 25 lbs.
 Oak 7N. 40° W. 32 lbs. Dead Oak 12S. 58° W. 45 lbs. Birch 8S. 83° E. 50 lbs.
 We find nothing. Ben Beach.

Thursday June 15, 1922. Ben Beach Transit. Wils Drake + Reuben Weenboldy Gemen.
 We do not work in am. account of rain. In P.M. we chain up what we
 cut yesterday and continue E. at 11736.3' hub. at 12012.2 hub.
 at 12200.3' cross hub wire fence " 12792.3' hub on old RR grade at 13638.0 hub.
 Ben Beach.

Friday June 16. We continue E. at 13800 cross old trail at 14676.8 hub.
 at 15025.0 enter marsh extending S. " 15140 to marsh. at 15280 old road bet N. & S.
 " 15550 enter swp. " 15820 to swp. " 15893 hub.
 It is pretty foggy this a.m. so we cut a picket line thru to the trap road on the East.
 1190 words

side of sec. 16 and 21. We have been running with only three men so I hire Phillip Heafer to start this P.M. we hub there and find that our picket line is a little south so we cut a new line. Vila Drake and I chain from hub 15893.4 E at 16499.0' hub at 16680.0' cut susp. at 16800.0' to susp. at 16862.3' hub. at 17040.0' cut susp. at 17340.0' to susp. at 17440.2' hub at 18039.0' .. 18149.4' hub in cen. of two road 371.5' S. of T.M. sec. cor. to sec. 15-16-21-22.

Wed June 21. 1922. E.B. Horst & Ben Beach look for Govt B.T. to cor. to sec. 17-18-19-20. We find the N.W. cor. B.T. badly burned with a piece of the shell about 16" high bearing the scribble marks. True cor. to sec. 17-18-19-20 sets 65.4' N of station 7543.6 E. We go to point near $\frac{1}{4}$ S. cor. bet. sec. 17-20 and look again for U.S. B.T. but fail to find anything. We go E to poi. of sec. 16-17-20-21. At Sta. 12838.0 E. on our random line true cor. to sec. 16-17-20-21 sets N. 15.4.0. We go to leader in Horst's car after iron monuments. We set two witness corners at the cor. to sec. 15-16-21-22. We set a $1\frac{1}{4}$ " x 30" T.M. N. 45° E. 46.7' and a $1\frac{1}{4}$ " x 30" T.M. N. 45° W. 46.7'. Horst goes to Pillager; I stay over night at Marion Johnsons. Ben Beach.

Thursday June 22. 1922. I hire Marion Johnson's horse & buggy to haul T.M.s. along the survey line. Phillip Heafer meets me at the $\frac{1}{4}$ S. cor. bet. sec. 16-21. We set a $1\frac{1}{2}$ " x 30" galvanized T.M. $\frac{1}{4}$ S. cor. 312.6' N. of Sta. 15493.7 E. We set a $1\frac{1}{4}$ " x 30" T.M. 254.0' N. of Sta. 12838.0 & set two witness monuments one N. 45° E. 46.7' & one N. 45° W. 46.7' for the cor. to sec. 16-17-20-21 at the $\frac{1}{4}$ S. cor. bet. sec. 17-20 we set an T.M. this is 159.7' N. of Sta. 10190.8'. Thence we go E 2647.4' ft and set an T.M. 65.4' ft. N. of Sta. 7543.8' with witness corners. an T.M. N. 45° E. 46.7' ft. an T.M. N. 45° W. 46.7' ft. Thence we go E 2631.4' and set a $1\frac{1}{4}$ " x 36" T.M. 42.5' ft N. of Sta. 4912.4 E. for the $\frac{1}{4}$ sec. corner bet. sections 18 & 19. We correct road centers from here E. Hub at 3400 goes N. 8.4' hub at 2900 goes N. 2.1' hub at 1552.4 goes N. 3.8' Sta 2281 goes N. 5.6' to true pt for fractional $\frac{1}{4}$ sec. cor. bet. sections 18-19. at which pt we drive a $1\frac{1}{4}$ " x 36" galvanized T.M. Sta 500 goes N. 1.2' to stake Mhd. road & at true pt for cor. to sec. 18-19-136-31 & sec 13-24-136-30 we drive a $1\frac{1}{4}$ " x 36" T.M. and set two witness T.M.s. T.M. N. 45° E. 46.7' T.M. N. 45° W. 46.7'.

Ben Beach.

Recorded Feb. 1-1928 by John M. Greene,
County Surveyor.

899
direct

SURVEY RECORD No. 548

Field Bk. no. 170, a.

Sept 24. 1920. Begin at the north east corner of the township - the corner sec 1 + sec 6
 146 found a white pine 14 south 30 east - this pine is down with iron marks sec 6 T. 140 N. R. 27. 20 S.
 14027 begin satisfied these are the old govt corner to sec 1 and sec 6 - found an old point of a wood
 post thence set a ^{wood} post 3 1/2 foot long 3 in diam put two 40 penny spikes in bottom end
 Stamped the same Sec 1 and sec 6 set the same in county road below the top of ground
 2 inch. Roy Rose and Geo Enghart was with me on this work.

June 8. 1926. Begin at the U.S. T.S. cor. Bk. sec. 6 + 7 and run south on a T.S. line thru ¹⁴⁶⁷
 sec 7. at 600 br swp into high land. at 13.20 set a temp point at 16.68. leave high land
 enter cedar swp at 19.61 enter a lake. thence turn a right angle west 1.67 ft. thence
 turn right angle south.

June 9. at 24 br lake and swp enter high land - at 26.40 set a point at 39.60 set a
 point at 53.18 feet enter E W line bet sec 7 - 18. West of post 2.27 feet a cedar
 post marked 45. but very old and burnt black. I am not quite satisfied as to this
 being the U.S. T.S. there are no witness so I could not set over my points thru line 9

June 10. 1926. T. 140 N. R. 27, west 5. P.M. begin at the T.S. bet sec 6 + 7, and run west
 to Boy River west of John Ford.

Sept 24. 1920. T. 140 N. R. 27 W. Ben Clark, Boy River, Geo Enghart - thence went
 south to the corner sec 1 - 12 - 6-7 in the range line to the corner sec 1 - 12 - 6-7
 found the old post with the following witness stump B.T. Tump 12-18 west 13.2 ft
 all the rest of the old tree gone thence set an iron post 2 1/2 foot long put a wooden
 point 3 ft inside the iron pipe, drove the same into ground 4 ft stamped the same
 sec 1 - 12 - 6-7 on cap on top of iron post this corner sets in an open hay meadow.
 north Boy River 149 ft.

Sept. 24 - 1920. Thence went to the corner sec 5 - 13 - 14 - 11 - 12 found the following witness
 white pine B.T. 18.5.5.0 E. 34 ft. W pine 22.5.30 W 12 ft. W pine 20 N. 52 W 60 ft
 W Birch 8 N. 50 E. 40 ft. so begin, satisfied this is the old govt corner of sec 11 - 12 - 13 - 14
 I set an iron pipe 2 1/2 ft long 3 in diam put two 40 penny spikes in the bottom
 thence stamp in stone and clay stamp in cap 5 - 11 - 12 - 13 - 14, piled a mound of stone
 around the iron pipe. Roy Rose + Geo Enghart was with me when I set this corner
 Ben Clark, Dep. Co. Surveyor.

Thence I went to the T.S. cor bet sec 3 - 24 found an old post marked T.S. 13 - 14
 with a witness tree Elm 12 South 21.30 East 77 ft. thence set an iron pipe 2 1/2 ft
 long put a wooden point inside then drove the same in log 4 foot stamp in cap T.S.
 for sec 13 - 24 - this corner sets on the west bank of McCortney Lake.

Sept - 25. 1920. T. 140 N. R. 28 W Ben Clark, Roy Rose, L. Rose, Geo Enghart went to the
 cor sec 2 - 3 - 10 - 11 found an old wooden post 3 long 4 square marked
 5 2 - 3 - 10 - 11 with the following witness stumps B.T.s Maple 4. N. 50 E 28
 Maple 5 S 65 W 26 Birch 9 S 55 E 23 Birch 7 N 29 W 10. I remember
 seeing this corner in 1892 and have seen the same ever since that time so being
 satisfied this is the old govt corner I set an iron post 2 1/2 ft long 3 in diam put two
 40 penny spikes in bottom set the same in ground 1 1/2 ft put in stone and clay around
 post tamp down - stamp on post the cap on top 5 - 2 - 3 - 10 - 11 - thence went to the cor
 5 - 2 - 4 - 10 - 9. at the corner of a four bar wire fence found an old post I saw this cor
 when good in 1892. With the following witness tree a pine laying down with a
 B.T. in same. W pine 28.5 25 W 5 1/2 ft. Iron wood 4 N 2 W 38 ft. So being
 satisfied this is the old govt cor to sec 3 - 4 - 9 - 10 I set an iron post 2 1/2 ft

95-0
14027

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3 in diam put 2-40 penny spikes in bottom end, stamp in cap on top of post 5-3-4-9-10 set the same in ground $1\frac{1}{2}$ ft. four bar wire fence running East & West and North & South from this corner. Roy Rose, J. Rose & Geo. Enghardt were with me when I set this corner.

Ben Clark Dep Surveyor.

Sept 25-19-20. T. 40 N. R. 28 W. Ben Clark - Roy Rose Geo Enghardt went south to the corner 59-10-15-16 found an old oak post 3 ft long 3 in diam marked 59-10-15-16 with the following witness trees B.T. W. pine 75. 69 W. 40 ft. non-pine 145. 39 E. 55 ft. W. pine 22 N. 30 E. 30 ft. W. pine 12 N. 66 W. 40 ft. So being satisfied this is the old quit cor. I set an iron post $2\frac{1}{2}$ ft long 3 in diam set the same in ground $1\frac{1}{2}$ ft. put 2 40 penny spikes in bottom end put in stone and clay around post. stamp in cap on post 59-10-15-16 this corner sets end of a three bar wire fence running north and east from the point.

Sept 25-1920. Ben Clark - Roy Rose - Geo Enghardt went south to the $\frac{1}{4}$ sec 15-16 found a post 3-4 in square with a mound stone post marked $\frac{1}{4}$ S 15-16 witness tree dead pine. W. pine 30 S. 25 W. 50 ft. Set an iron post $2\frac{1}{2}$ ft long 3 in diam put 2-40 penny spikes in bottom end set the same in ground $1\frac{1}{2}$ ft put in stone and clay around post stamp down stamp on cap on top end of post $\frac{1}{4}$ S. for sec 15-16 - a mound stone around the iron post.

Sept 25-1920 T. 40 N. R. 28 W. Ben Clark - Roy Rose Geo Enghardt went on south to the cor sec 15-16-21-22. this cor has been proportioned here by Ben Clark two yrs ago. found a wooden post 3 ft long 4 in square marked S 15-16-21-22. with a new witness tree non-pine 125. 51- distance 60.6 ft. thence set an iron post $2\frac{1}{2}$ ft long 3 in diam put 2 40 penny spikes in bottom end set the same in ground $1\frac{1}{2}$ ft put in stone & clay around post stamp down - stamp on cap S. 15-16-21-22. thence went to the $\frac{1}{4}$ S bet S. 2-53. found the old quit post and witness trees Cedar 9 N. 30 W. 17 ft. Cedar 55. 80 E. 26 ft. new witness tree Cedar 6 N. 30 W. 14.2 ft. thence set an iron post $2\frac{1}{2}$ ft long 3 in diam put a wooden point inside the iron post drove the same in ground 4 ft stamp in cap $\frac{1}{4}$ S for sec 2-3.

Sept 25-1920. Thence went to the closing cor to sec 2-3 on township line found the old quit post with the following witness trees - Jack pine 55 40 W 17 ft. Fir 65 30 E - 9 ft. set an iron post $2\frac{1}{2}$ ft long 3 in diam put 2 40 penny spikes in bottom end set the same in ground 2 ft put in stone and clay around post stamp down stamp on cap on top S. 2-53. Roy Rose J. Rose Geo Enghardt were with me when I set this corner. Ben Clark Dep. Co. Surveyor.

Sept 26-1920 Ben Clark - Roy Rose - J. Rose Geo Enghardt - Ben Clark Surveyor. Drove down to the $\frac{1}{4}$ S cor bet sec. 9-516 found a wooden post marked 59-16. with the following witness stamp B.T. This cor is set equal distance bet the two sec cor and on the true sec. line. Set an iron post $2\frac{1}{2}$ ft long 3 in diam put 2 40 penny spikes in bottom end made a hole with a post auger set the same in ground $1\frac{1}{2}$ ft put stone & clay around post stamp in cap $\frac{1}{4}$ S. this corner was set by me two yrs ago made a witness pine stake 20 S 45 E 7 ft. marked the same B.T. $\frac{1}{4}$ S. Thence went to the corner 8-9-16-17 found the following old witness stamp B.T. Tans 6 N. 60 E 58 ft. Oak 55 45 E 75 ft. Maple 8 N. 34 W. 36 lbs. Maple 75-55 W 22 ft. So being satisfied this is the quit cor. to sec 8-9-16-17. set an iron post $2\frac{1}{2}$ ft long 3 in diam set the same in ground $1\frac{1}{2}$ ft put 2 40 penny spike in bottom end. put in stone and clay around post and tamped down. Stamp on cap on top S 8-9-16-17. Roy Rose - Geo Enghardt were with me when I set this post.

Ben F. Clark Dep Co Surveyor

950
noted

Sept 26-1920 - Ben Clark - Roy Rose - J. Rose - Geo Englhaut - went to the Co Sec
 20-21-24-29 - found a Norway pine post 3 ft long 5 in diam marked S. 20-21-24-29 with
 a surveyors iron - found the following witness stump B.T. W. pine 33 N. 35 W. 28 ft.
 W. pine 24 N. 30 - 40 N. pine 30 S. 52 W 57 ft. so I set an iron post 2 1/2 ft long
 3 in diam - put 2 40 penny spikes in bottom and set the same in ground 2 ft out in
 stone and clay around post - stamps on cap on post S 20-21-24-29. Near witness tree
 No pine 10 N. 35 W. - 44.6 ft. No others near. Piled a mound of stone around post
 Ben T. Clark - Dep Co Surveyor.

Sept 26-1920 - Ben T. Clark - Roy Rose - J. Rose - Geo Englhaut - went to the Co Sec
 bet 16-21 found a Norway pine post marked Co Sec with a surveyors iron - this Co Sec
 set equal distance bet the two S.E. Co Sec. Thence set an iron post 2 1/2 ft long 3 in
 diam put 2 40 penny spikes in the bottom and set the same in ground 2 ft
 out in stone around post stamp with clay - stamps on cap on top S.E. Piled a mound of
 stone around the iron post. This corner was set by me two yrs ago when I surveyed
 S. 16. Ben Clark - Dep Co Surveyor -

Sept 26-1920 - There is an iron post 4 ft long 3 in diam stamped S. 16-17-20-21 for the
 true cor. this corner was proportioned in by me 2 yrs ago - will show how I
 did it in field book on field at Walker Ben T. Clark -

June 28-1926 Ben T. Clark - John Sazge - John Ford. Set the to W.C. at Little
 Rice Lake - where the North-South line enters Rice Lake. Iron post 4 ft
 long 2 in diam drove the same in ground 3 ft. Thence the W.C. cor where the to
 line enters Little Rice Lake. iron post 4 ft long drove the same in ground 3 ft.
 Thence set south to S on range line an iron pipe 4 ft long 2 in diam + drove same
 in ground 3 ft. Thence set the to S on the East side Sec 1 on Range line an iron pipe
 3 ft long 3 in diam drove the same in ground 4 ft. Thence set the East to S on
 the east & west quarter line an iron pipe 3 ft long drove the same in ground 4 ft.
 Thence went west to the West to point set an iron post 4 ft long 2 in diam drove the
 same in ground 3 ft. Thence went to the to S on the north Boundary Sec 1 on the
 town line set an iron tomahawk 22 in long two in diam drove the same in ground
 even with the ground. Thence went to the West to point drove an iron post in
 ground 3 ft. Ben F. Clark surveyor - John C. Ford - John O. Sazge -

Begin at the North east Co Sec 1 at the closing cor of town 140 N. R. 28 & T. 140 N. R. 27 W.
 set an iron post and run south 7° W. at 13.20 set a temp point at 26.40 set ^{temp} point
 at 39.60 set a point at S. 2.84 the cor to S. 1. 5. 12. 7. 6 thence set to S point south 4. E. 1. 1. 3;
 set south to point south 6. E. 1. 7. 2.

Mar 26-1926 Begin at the Sec 1-12-7-6 at West bet Sec 1 & 12 set S.W. cor at 400 ent Rice
 Lake at 13.20 set a point on ice. at 26.40 set a point & out on land. at 27.40 7- the
 M.C. on the west side of a point land. at 28.22 ent lake at 50.26.4 the south west
 cor to Sec 1 - 20° 3.6 short. set to S 126.8 East. set East to 63.4 East.

Mar 28-1926 - Begin at the North east corner Sec 1 and run west 6.46 on the
 center of a graded road at 26.40 set a point at 30 enter timber at 33 temp at
 39.60 set a point at 40. enter island at 42 to island entire swp at 50.98.2 - south of
 the cor to sec. 1-2 16 ft. corner good an iron post two witness trees a cedar & a
 spruce. short 181.4. Thence set to S East 90.9 - set to 13.57 - set 12 north
 true line closes at 6.30 - Begin at the cor Sec 1-2 and run south bet sec 12-13
 at 12.27 leave swp enter high land. at 17.43 the Runer & Longville road. at 20.53.4: the
 to S bet sec 1-2 -

D

Mar 29: 1926. Begin at $\frac{1}{4}$ S bet S 1-2 an iron post and run east on a random line 5.30 =
 at 13.20 set a temp point. at 22.00 out arp. at 26.40 set a temp point at 33.40 to swamp out field
 at 50.71 out Range line 34.7. north of the $\frac{1}{4}$ S. set C $\frac{1}{4}$ S west 100.4.5. set south 19.3 $\frac{1}{2}$ = set west
 $\frac{1}{6}$ west 52.2.4. set south 9.6. set east 156.7 $\frac{1}{2}$ = west set south 29.

Begin at the $\frac{1}{4}$ S point on the north Boundary Sec 1 and run south in a R.A.M. line 7.45 =
 Enter Sec line bet Sec 1 12 East of point 52.3. thence come back to the east & west & set the
 C $\frac{1}{4}$ S west 28.6 $\frac{1}{2}$ = set the same south 19.3 $\frac{2}{2}$ = thence measured east 25.36 thence $\frac{1}{6}$
 S west 29. thence run south 27. at 13.21.2 = 12.75 out lake at 2.6.42.4 = the
 $\frac{1}{6}$ on sec line the $\frac{1}{6}$ and run west 25. at 11.97 out Little Rice Lake. at 12.62.4 =

Begin at the C $\frac{1}{4}$ S measured north 26.34. shot 37. set $\frac{1}{6}$ point south 18. = thence measured
 from C $\frac{1}{4}$ S west to the $\frac{1}{4}$ S bet S 1-2. 20.30.8 set the same east 5.4.7. =

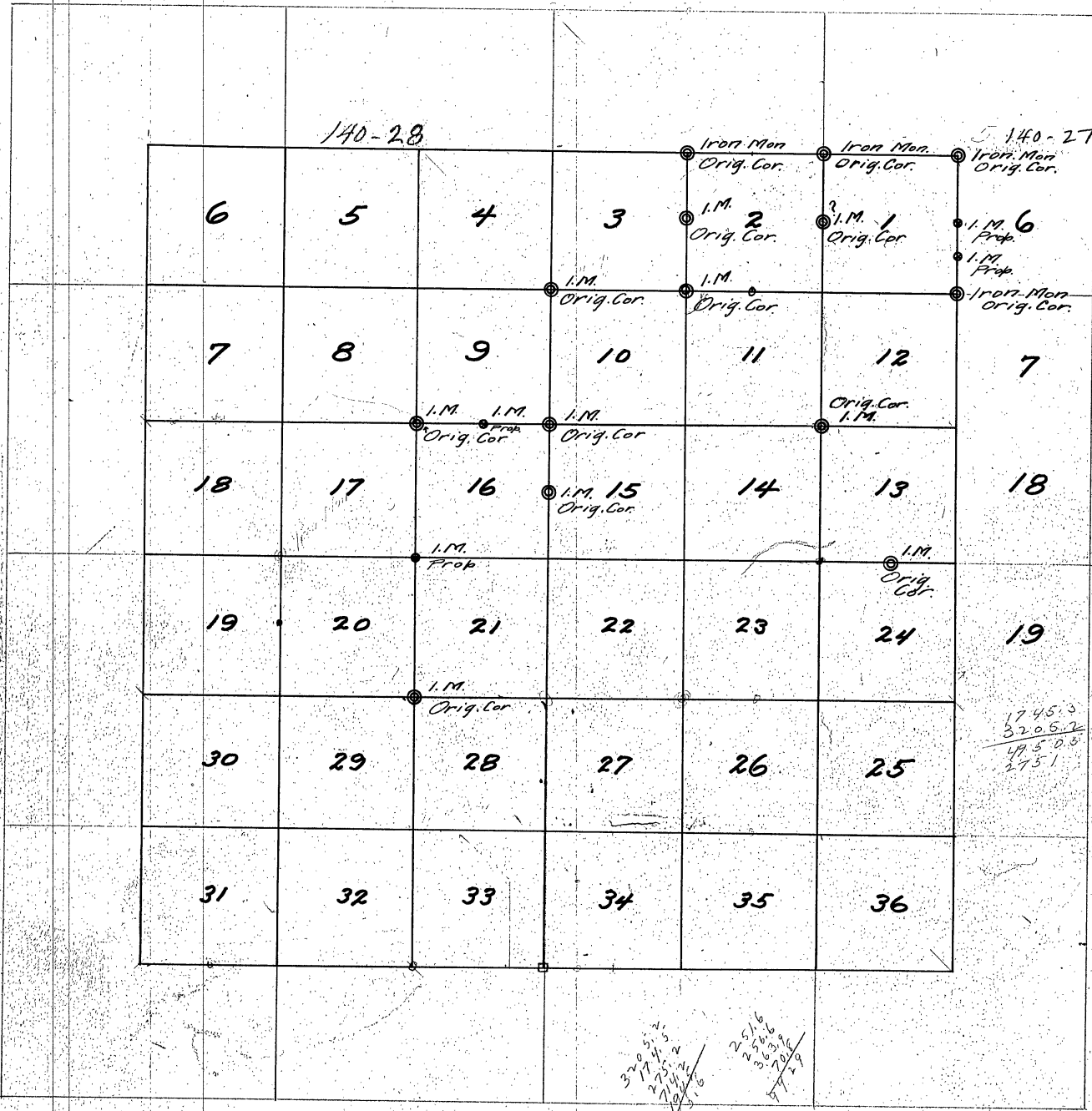
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Begin at the $\frac{1}{4}$ S post bet sec 19-20 an iron post 30. in white pine stump marked N.T. + $\frac{1}{4}$ S.
 and run west on a quarter line 6.30. west. at 13.20 set a temp point. at 26.40 set a $\frac{1}{4}$ S point &
 search for the C $\frac{1}{4}$ S. found the same south 80.15 ft. Dipstave 10.15. set $\frac{1}{6}$ east 5.25 = set south 40.25 =
 thence run south at a right angle of the Base line $\frac{1}{4}$ S line at 12.71.5 = enter Pine River Road.
 at 1300 out the $\frac{1}{6}$ line. thence taped west 150.5 ft to $\frac{1}{6}$ post an iron pipe 4 ft long for the $\frac{1}{6}$ line
 on the north and south $\frac{1}{4}$ S line. thence came back north and run on north on the same $\frac{1}{6}$ line.

400
width

PLAT OF RECORD No. 548.

T. 140 N. R. 28 W. SEC'S 1-2-3-4-8-9-10-11-12-13-14-15-16-17-20-21-24-28-29
T. 140 N. R. 27 W. SEC'S 6-7



W. H. S. & S. H. CO. W. H. S. & S. H. CO. W. H. S. & S. H. CO.

Ben F. Clark, Roy Rose went to Cor. Sec. 35-36-141-28 and measured East to Cor. 1-2, 140-28, 8.70 chains, thence search for the Cor. to Sec. 1+2 and found the same, two down trees, a spruce 6" S. 50° E. 14 lks or 9.2', Cedar 5" S. 20° W. 12 lks = 8.5 feet, these trees are marked T. 140 N. R. 2 B. W. S. 1-5. 2. So being satisfied that this is the closing Cor. for Sec. 1+2, I set up my transit on a nail in hub and run south bet. Sec. 1+2, var. 7° 52'. Begin at 0, at 1227.5 set a temp. point for 1/16 Cor., at 1300 lv. Jam. cedar swmp. Enter Jack Pine, Poble land, at Sta. 1519.2 = Sta. No. 1. At 1745 Enter the Tremar-Longville Road, at 1758.2 enter a wire fence, East + West. At 1786 = Sta. 2, at 2389.5 set a temp. point for 1/4 S, at 3336.5 set a Hub, at 3500 lv. Jack Pine enter swmp., at 3881.5 enter ^{Little} Rice Lake and search for M.C. #3 but could not find the same. Inow place flag on south side of Little Rice Lake and turn a right angle 200 feet. Set up my transit, the course bearing on flag on south side Rice Lake is 86° 45', the distance is 3209 feet. Total 71,120 ft., at 72 lv. swmp and Lake Hay, enter brush and oak on a pt. of land, at 77.57 enter Boy Lake Brook running east, lv. brook at 7848.3, at 8018 set a temp. point for the 1/4 S bet. 11-12, but could not find the same, so I run on south bet. 11+12, at 8671 enter the arm of Boy Lake, 10250 over Lake, brush land,

Cor. 11-12-13-14 at 10551, I found the Cor. to 11-12-13-14, good witness trees as follows
 W. Birch 8" N. 50° E. 26.3 B.T. Pine stp. 10, S. 48° E. 22 foot, B.T. Pine stp. 1 B. N. 50° W. 39.5 feet, B.T. pine stp. 20, S. 3° W. 8, so being satisfied that this is the old Gov't corner for S. 11-12-13-14, I set a spruce post 3 1/2 feet long, 4 in. square and marked the post with a Scribe Iron 11-12-13-14, Drove the post in ground 14" and made a mound of stone around the post. This was 20 feet East of Post in Tran. line, thence true line closes at 7° 45'

1/4 S. 11-12 Then set the cor 11-12 (1/4 S.) an oak post 3 1/2 foot long, 3 in. square, marked the same 11-12 & made the following witness trees Ironwood 5" S. 33° E. 30 feet, Maple 9" S. 40° W. 33 feet. This corner set on true line (NOTE: - There is a question here as to prop. east + West for location of Cor. North.

Closing Cor. Then set the cor. Sec. 1+2 C.C., an iron pipe 2 1/2' long, 3" diam. Stamp the same on cap on post S. 1+2. Place a wooden Cedar post inside the iron pipe. Drove the same in ground 3 1/2 feet, leaving the pipe stick out 2 feet. This cor sets in a wet swamp. Old witness trees as follows: - Spruce 6" S. 50° E. 9.2 feet Cedar 5" S. 20° W. 8.5 feet.

1/4 S. 2+11 Then set 1/4 S. an iron pipe bet. 2+11 an iron pipe 4' long 2 1/2 in. in diam. Stamped the same 1/4 S for 2+11. Old witness trees as follows: - Cedar 7" S. 55° E. 5 lks. Thence run east on a true line. var. 7° 18', at 280 enter Boy River, 100' wide, at 900 lv. sub. bog. Enter brush land, at 1320 temp. point, at 1875 Enter Little Rice Lake, and M.C. #6 on east side, at a point of land in Lake 14' North of M.C. Oak 10" N. 5° East 33 feet. closes at 7° 18'

Peterson Road "Peterson Road" Ben Clark, Roy Rose, and Ralph Felton begin 1320 feet west of Cor. Sec. 33-34-3-4 a concrete post in Township Road & measured North. Begin at an iron post for the 1/16, thence run North on 1/16 line 8° 52', at 376, Sta. 1, a pine hub, 3205.2 lv. 1/16 line and north 55° 15' W, Distance = 3062, thence North 43° West, 3763; thence N. 20° W. 816 ft., thence N. 20° W. 207, intersect Wahedo Lake. This road the Peterson Road Ben Clark.

T. 140N. R. 28W. 5th P.M.

Thence begin to survey out the Hunter Road. Begin at a point in the Tremar-
and Langville Road, 1627.2 feet north of where the angle leaves the Section Line bet. Sec 1 & 2.

S. $56^{\circ}45'$ 175'

S. $18^{\circ}45'$ W. 300'

S. $22^{\circ}40'$ W. 267.2

S. $1^{\circ}35'$ E 449.4

S. $23^{\circ}15'$ W. 143.2

S. 28° W 339.7

S. 40° W 936.9

S. 10° W 375

S. 55° E 286.2

S. $58^{\circ}30'$ E 197.4

S. 40° E 428.4

S. $50^{\circ}15'$ E 616.6

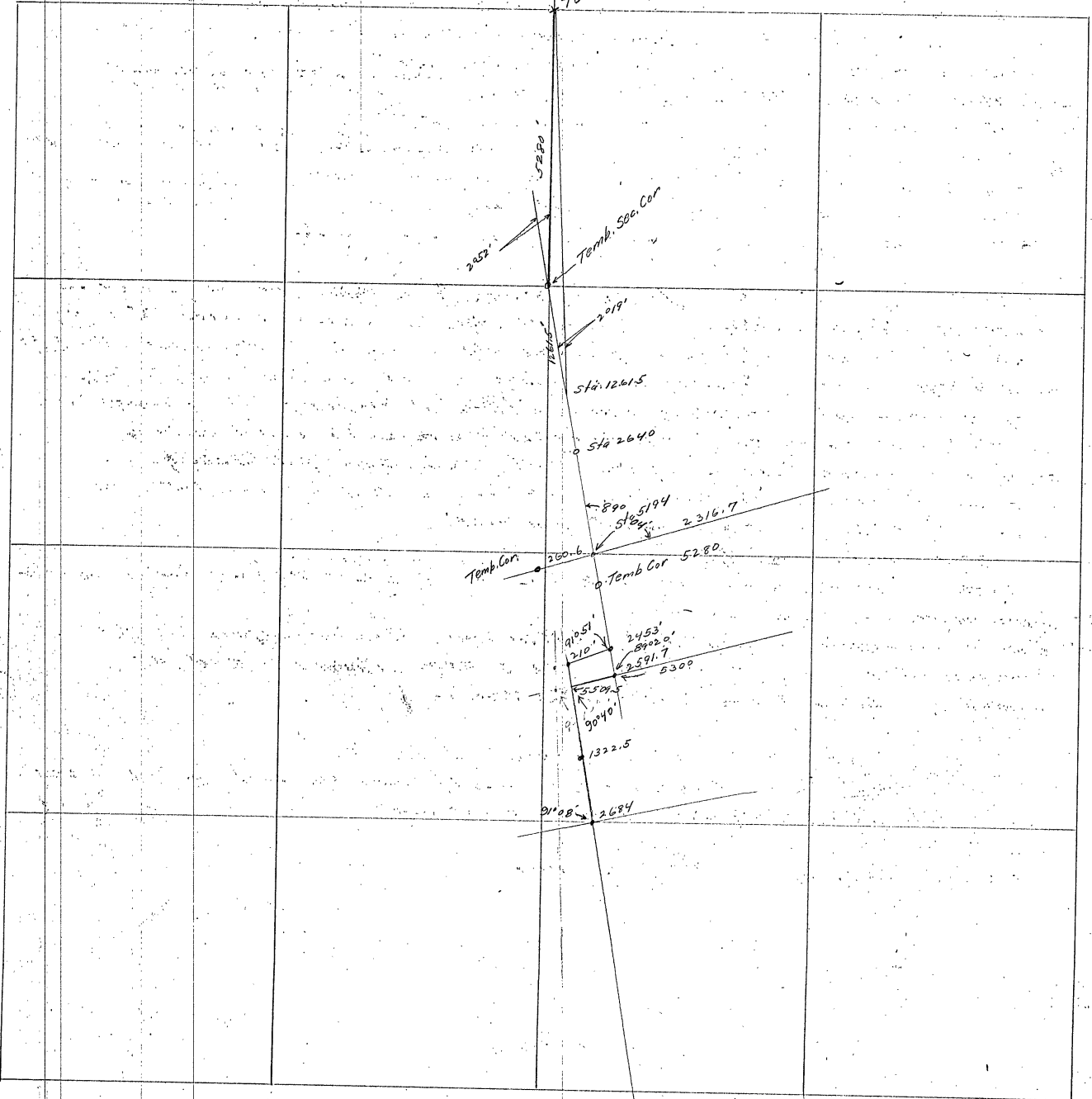
S. 50° E 581.

N. 4° E 228.1

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D

551



1922 p. 54 #173 Resurvey of Trec. #230
 Nov. 8 J. M. Greene, Trans. Phil Monette, Herman Zumbrennen, Carl Zumbrennen, Lewis Liske. Cut South from S.E. Cor. Sec. 2-139-27 on old Random. Corr. 2°25'W.
 Nov. 9 Missed 1/4 S. about 1.5' East. Corrected 0°03' and continued south. Missed Sec. Cor. 3.4' W. Continued on south. Clarence Sanford joins crew in P.M.
 Nov. 10 Continued on south. Phil + Herman not at work.

1913 data

Sta. 2613, run west 110.8', set stake for 1/4 Cor. ^{Dead Tam 8" S. 60°53' W. 93.5'} ^{Tam 8" S. 6°14' E. 174.7'}
 " 5226, run west 221.7, " " " Sec. Cor. ^{11/12}
 " 7852.4, run west 145.85, " " " 1/4 Cor. Sec. 13 & 14. ^{W. Birch 6" N. 60° W. 30.75'} ^{W. Pine 18" N. 47° E. 41.1'}
 " 10478.8, run west 70', " " " Sec. Cor. 13-14-23-24
 " 13100.15, run west 154.7, " " " 1/4 Cor. 23-24 ^{Tam. 5" S. 40° E. 44.5'} ^{" 8" N. 87° W. 43.5'}
 " 15721.5, run west 239.5, " " " Sec. Cor. 23-24-25-26

1923 J. M. Greene, Trans. Came to Maharq Ranch from Walker - Friday - Looked for
 March 23 corners all afternoon. Stayed at Ranch all night. Did not hear from Monette, so left for Tremor, Sat. morning. Came out to Ranch Sunday night. Went to
 March 26 Lake George. George Snell + Louis Liske - Report. Weather - Cloudy + Foggy, heavy snow and later drizzling rain. Started at temporary M.C. on Range Line bet. 140-26 + 27. Looked for M.C. bet. 140-26 & 139-26, found nothing authentic. Set temp Town Cor. on ice - South 452.76'. Chain South 5280 feet. Set temp. Cor. Continue south 1200' to Lake Shore. Set temp. hub at 1261.5 South. Read X 2°19' Right to temp. town Cor. at 1261.5
 Sta. 1973.5 - Nail in pop. stp.

" 2640.0 - Spruce swamp B.T.'s called for ^{B. Ash 3" S. 87° W. 17'} ^{Fir 4" S. 65° E. 11'}, Could find no sign of cor.

March 27 Snow and rain - Did not work.
 March 28 Carl Zumbrennen, Lewis Liske, J. M. Greene. Brush to approx. Sec. Cor. Intersect Andrews Line, E. + W. 5194', N.E. X 89°04'. Chained to 5280' - Hub. Edward B. Everett Andrews, Lewis Liske, J. M. Greene
 5280' = Sta. 0
 Hub 2453' N.W. X 91°51' - 210' west to old blazed line.
 " 2591.7 = Sta. 53 Flynn's Line, coming in from the East. X N.E. 89°20'
 Sta 0 = " 55+09.5' X 90°40' S.E. blazes 10' to 20' west
 1322.5 = stake 65.5' west
 2684.0 Int. Ran. Line E + W. N.W. X 91°08'

Sections: 14-15-16-21-22-23-27

Twp 140ⁿ R30^w Cass Co Minn

Field notes of the survey and establishment of iron Section corner, quarter corners, and $\frac{1}{16}$ th corner in Sections 14, 15, 16, 21, 22, 23 and 27. Township 140ⁿ Range 30^w 5th P.M. Cass Co.

Minnesota as surveyed by and under the direction of John W. Curo County Surveyor of Cass County, Minnesota.

At the corner to Sections 14, 15, 22 and 23. T. 140 R9 30 we dig up the iron monument, being a 2 by 48 inch iron pipe having an iron cap, being the true corner previously established by me accurately set from the old U.S. bearing lines. Said corner sets in the centerline of the graded road which runs East and West and is about one foot under the ground.

In order to be able to again re-localize this corner and to hold its true position we run a line from said corner to new bearing lines in the surrounding sections as follows:

In Section 14: We run N. $56^{\circ}40'E$ 63.84 feet, carefully chained to a spot at the base of a 12 inch Norway tree. Then W 53.34 and S. 35.08 to corner.

In Section 23: We run S $56^{\circ}40'E$ 70.75 feet carefully chained to a spot at the base of a 12 inch Norway tree, and from the same corner we run again in the same section, S $82^{\circ}12'E$ 225.05 feet to a spot at the base of a 26 inch White pine tree. Then N. 30.55 and W 222.97 to corner.

The centerline of the graded road, looking a mile east, is considered a true East and West line in this description and a 90 degree angle to said road is considered a true Meridian the magnetic variation of which reads 7° East.

From the corner to sections 14, 15, 22, and 23 as above, we run West along the true section line between said Sections 15 and 22, following the centerline of the graded road: at 2638 feet we intersect the line $\frac{1}{4}$ corner between said sections 15 and 22, where we dig up said $\frac{1}{4}$ corner, being an iron pipe 2 by 48 inches in size and having an iron cap: this $\frac{1}{4}$ corner sets in the centerline of said East and West graded road about six inches under ground at the intersection of another graded road which leads South on the true North and South centerline of said Section 22.

With the transit over this $\frac{1}{4}$ corner; back sight half a mile East on the section corner and continue our line line:

West between Section 15 and 22. At 2638 feet we intersect the true corner to Sections 15, 16, 21 and 22 Twp 140. R9 30 at which point we dig up the true Section corner being an iron pipe 2 x 48 inches in size having an iron cap: this iron sets about $1\frac{1}{4}$ feet under ground in the center of the East and West graded road at the intersection of the centerline of a graded road leading North on the section line between Sections 15 and 16.

This corner was also established by me and accurately set from the old original bearing trees and is correct.

Notes continued on page 198.

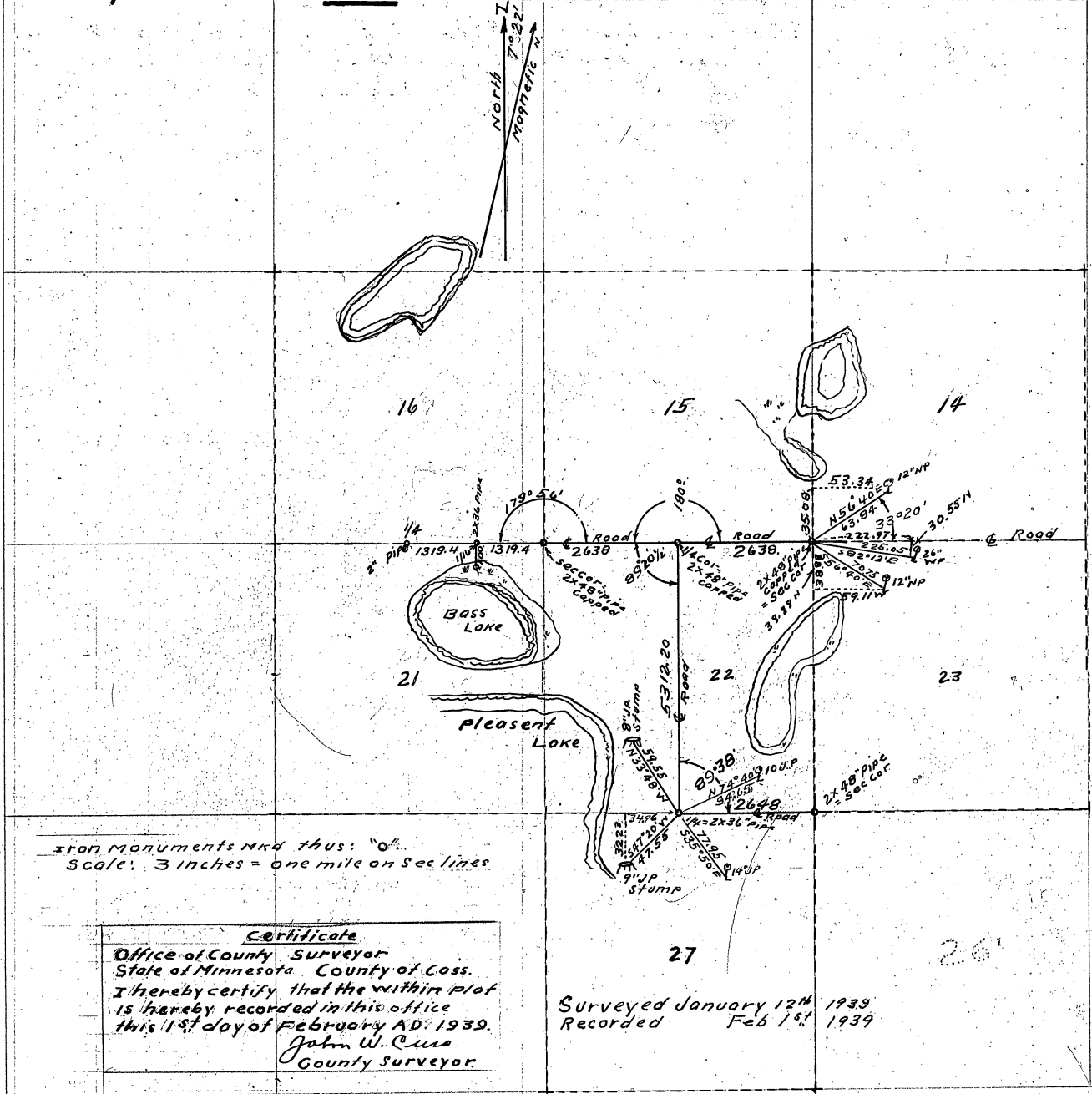
PLAT

Sections 14-15-16-21-22-23-27

T 140^N R 30^W 5th P.M. Cass Co Minn

Survey Record No 552

Curo



Iron monuments used thus: "O"
 Scale: 3 inches = one mile on Sec lines

Certificate
 Office of County Surveyor
 State of Minnesota, County of Cass.
 I hereby certify that the within plat
 is hereby recorded in this office
 this 1st day of February AD: 1939.
 John W. Curo
 County Surveyor.

Surveyed January 12th 1939
 Recorded Feb 1st 1939

John W. Curo.
 County Surveyor
 Cass County, Minnesota

552. continued From Page 196.

the entire mile just run is straight and the $\frac{1}{4}$ corner above referred to is exactly half way between each section corner

With the transit over the corner to Sections 15, 16, 21 and 22 T 140 R 9 30, back sight East on true line and extend our line

West, random line between Sections 16 and 21 T 140 R 9 30. At 2638.8 feet the $\frac{1}{4}$ corner between Sections 16 and 21 T 140 R 9 30 bears North 2.90 feet

At this $\frac{1}{4}$ corner between said sections 16 and 21 there is an iron pipe $\frac{1}{2}$ inches in diameter and sticks out of the ground about three feet, said to have been set by County Surveyor Horst

Correcting back: At 1319.4 we chain North 1.45 feet and set 2x36 inch iron pipe for the East $\frac{1}{16}$ corner between Sections 16 and 21 T 140 R 30 and from this $\frac{1}{16}$ corner we run a line South about 100 feet and set a 2x36 inch iron pipe in the swampy ground on the North shore of Bass Lake

With the transit again over the $\frac{1}{4}$ corner between Sections 15 and 22, T 140 R 30 focus telescope South along the true North and South center line of section 22. the S.W. angle of the true lines reads $89^{\circ} 20\frac{1}{2}'$ we run

South along the true centerline of said section 22. said centerline having been previously established by me - following about the centerline of the graded road, and running 5312.20 feet to an intersection with the true $\frac{1}{4}$ corner between Sections 22 and 27 T 140 R 30

At the $\frac{1}{4}$ corner between said sections 22 and 27 we dig up the iron pipe previously established by me. said pipe being 2x36 inches in size and is set about a foot under the ground, having been accurately established and set from the original old U.S. bearing trees and is now at the intersection with a partly graded road running almost half a mile east

Transit over the $\frac{1}{4}$ corner between said Sections 22 and 27 T 140 R. 30 we mark new bearing trees as follows:

In Section 22. we run $N 47^{\circ} 20' E$ 94.65 feet to a spot at the base of a 10 inch Jack pine tree and from the same $\frac{1}{4}$ corner we again run in the same section $N 38^{\circ} 48' W$ 59.55 feet to a spot at the base of an 8 inch Jack pine stump. this stump was a tree when I first marked it.

In Section 27. we run $S 47^{\circ} 20' W$ 47.55 feet to a 9 inch Jack pine stump with an old blaze near the base. this stump was also a tree when I first marked it. Again in said Section 27. we run $S 35^{\circ} 50' E$ 77.95 feet to a spot near the base of a 14 inch Jack pine tree

With the transit still over the $\frac{1}{4}$ corner between Sections 22 and 27 focus telescope East along the true Section line. the NE angle of the line bears reads $89^{\circ} 38'$ we run

East on true line between Sections 22 and 27 said line having been previously established by me - we run 2648. feet to the corner to Sections 22-23-26 and 27 T 140 R 9 30 being an iron pipe 2x48 inches in size.

Notes Continued on page 199.

552, continued from Page 198.

previously established by me, set from the old original U.S. bearing trees to mark the true corner.

In setting the bearing trees of the 1/4 corner between sections 22 and 27 T140-R9-30 I use the true North and South centerline of said Section 22 as a Meridian. Magnetic variation reads 7°22'E

Survey checked, approved and finished Jan 7th to 12th 1939

Recorded February 1st 1939

John W. Cuss
County Surveyor Cass Co. Minn.

Certificate:
Office of County Surveyor State of Minnesota, County of Cass I hereby certify that the within Field Notes is hereby recorded in this office this 1 st day of February A.D. 1939. John W. Cuss County Surveyor.

Sections 4, 5, 8, 9. T 138 N R 29 W 5 P.M. Cass Co Minn

Field notes of the survey and establishment of iron and stone Section corners and establishment of new bearing lines in Sections 4, 5, 8, and 9 Twp 138 N R 29 W 5th P.M. Cass Co Minnesota as surveyed by and under the direction of John W. Cuno, County Surveyor, Cass Co. Minn. At the corner to Sections 4, 5, 8, 9, T 138 N R 29 W field notes of the U.S. survey call for a post and the following bearing lines: Norway pine 22" N 30 1/2 degree E, 32 Links (= 21.12 feet) Norway pine 18" N 28 W 142 LKS (= 93.72 ft); Norway pine 16" S 66 1/2 W 72 Links (= 47.52 feet); Norway pine 20" S 6 E 90 Links (= 52.80 feet) We find the stumps of all 4 lines which check almost perfect with an old slate set in a pile of stone

By proportion the SW and NE old RT. S check 3/10 of a foot too far apart to face of stumps and 4/10 of a foot too far apart between the old NW and SE RT. Stumps

We proportion this distance and string blin up and re-drive my old 2x15 inch birch slate in pile of stone, after which old RT S stand as follows: N 30 1/2 E 21.12 + .10 = 21.22 feet; N 28 W 93.72 + .20 = 93.92 ft; S 65 45 W 47.52 + .10 = 47.62 feet; S 6 30 E 52.80 + .20 = 53.00 feet The magnetic needle reads 7 E on N. end and 7 10 on S. end making 7 05 E from the true Meridian

We mark new bearing lines as follows:

- In Section 4: Jack pine 10 inch bears N 49 54 E 163.00 feet to spot at base: S 10 49 W 163.00
- In Section 5: Jack pine 15 " " N 80 13 W 85.70 feet to spot at base: S 14 56 E 84.45
- In Section 8: Elm 15 " " S 66 30 W 84.80 " " " " N 46 8 E 70.71 to cor
- In Section 9: Jack Pine 14 " " S 67 57 E 77.70 " " " " W 22 02 N 29.17 to corner

An old blazed Jack pine slab 15 inches in diameter and 15 feet high, bears N 84 57 E 119.10 feet to spot at base: Note: 20d spike below spot in stub

Later we pull up the slate and put in its place, a 2x30 inch iron pipe in said pile of stone and re-check both old and new bearing lines and find the same correct. Run East between Sections 4 and 9 T 138 R 29 at 260 feet intersect center line of main State Highway which runs NW and SE, and from this same Section Corner we run North between Sections 4 and 5 T 138 R 29, - 430 ft to about the centerline of the Sams State Highway where it runs North and SE

Survey checked, approved and finished Jan 12th to 15th 1939
Plot shows balance of notes Recorded February 3rd 1939

John W. Cuno
Co Surveyor Cass Co Minn

Certificate
Office of County Surveyor
State of Minnesota, County of Cass
I hereby certify that the within Field Notes
are hereby recorded in this office
this 3rd day of February A.D. 1939
John W. Cuno
County Surveyor

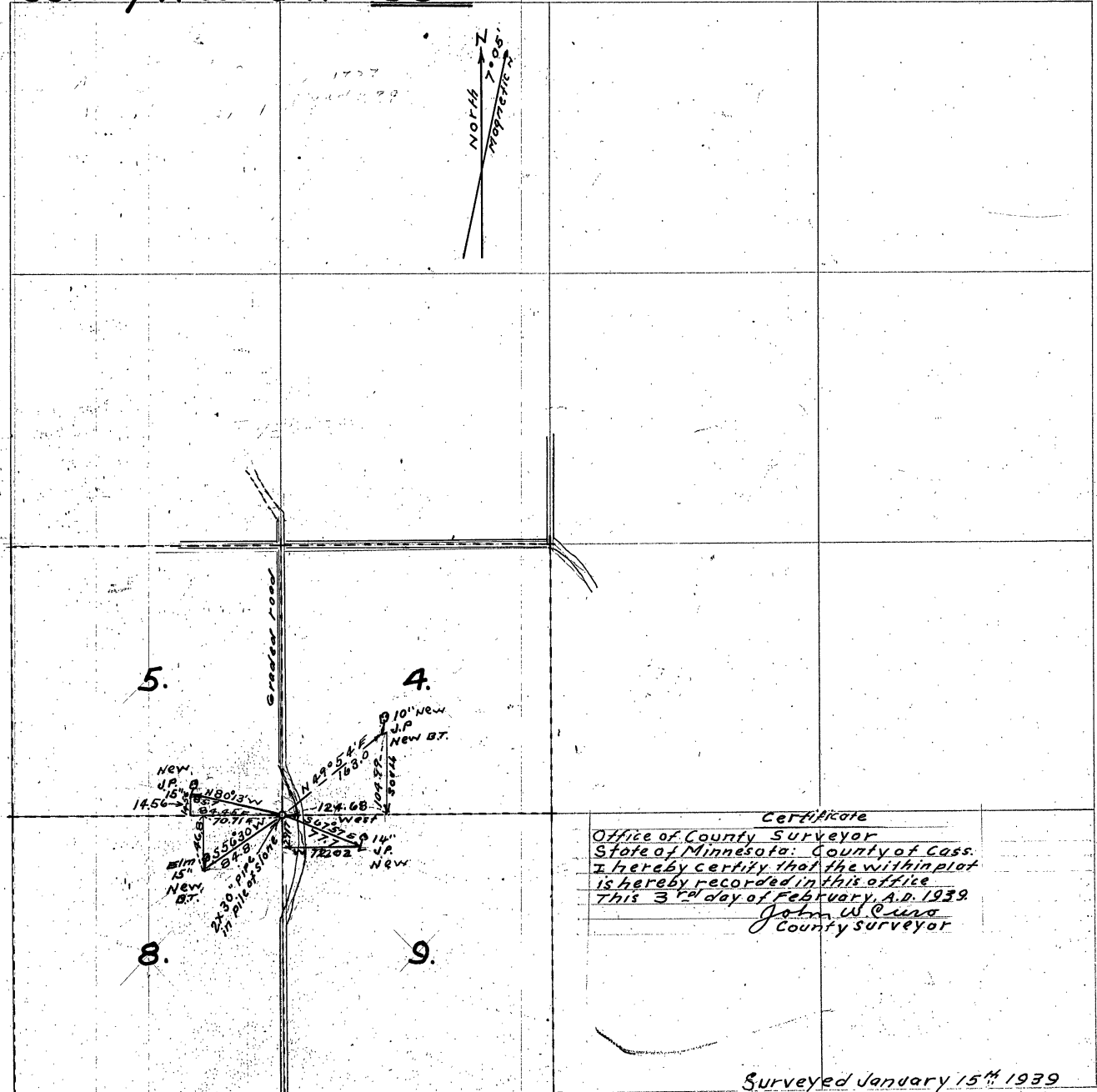
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PLAT

Sections 4-5-8-9.

T 138^N R 9 29^W 5th P.M. Cass Co Minn.

Survey Record No 553.

CUFO



Certificate
 Office of County Surveyor
 State of Minnesota: County of Cass.
 I hereby certify that the within plat
 is hereby recorded in this office
 This 3rd day of February, A.D. 1939
 John W. Curro
 County Surveyor

Surveyed January 15th 1939

Recorded Feb 3rd 1939.

Scale: one inch = 100 Feet on unbroken lines

Roads shown in red
Iron Pipe = "0"

I hereby certify that this Plat is correct

John W. Curro
Co. Surveyor Cass Co Minn.

Record No. 554.

Notes

Sections 4, 5, 8, 9, 16, 17.

T135, R29.

Field notes of the survey made in Sections 4, 5, 8, 9, 16 and 17 Township 135^N, Range 29^W of the 5th Principal Meridian, Cass County, Minnesota By John W. Cuss, County Surveyor in said County.

April 8th 1939: John W. Cuss, Transit and Chain, assisted by Harold J. Cuss; Perfect chain and perfect line; Engineer's Transit in perfect adjustment; 300 foot steel tape and plumb-bob. Clyde Adair and Rollin Adair, ax men.

At the corner to Sections 4, 5, 8 and 9, T135^N, Range 29^W we find an iron pipe, being a 2x36 inch boiler tube with no cap, previously establish by me to mark the line corner which was set in a previous survey, carefully measured in from the face of bearing trees marked in the original government survey:

With the transit over this iron pipe, we check the remains of the old U.S. bearing trees and other later trees made by me and find that the iron pipe still sets at the line section corner.

In order to preserve this point for the benefit of future surveys in the above mentioned sections, we take new bearings and run:

In Section 4, T135 N, R9 29 W: North 31 degrees and 31 minutes East, 20.65 feet to a spot we make at the base of a 10 inch White Birch tree.

In Section 5, T135 R9 29 we run: North 68 degrees and 33 minutes West 58.80 feet to a spot we make at the base of a 15 inch Twin White Birch tree.

In Section 8, T135, R9 29 we run: South 79 degrees and 43 minutes West, 54.12 feet to a spot we make at the base of an 11 inch White Birch tree.

In Section 9, T135 R9 29 W: run: South 87 degrees and 37 minutes East 36.40 feet to a spot we make at the base of a 9 1/2 inch White Birch tree. Magnetic Variation of the transit needle reads 5° 10' E

In a previous survey I found that this Section Corner, sets 2648.2 feet South from the 1/4 corner between Sections 4, and 5, and my old transit line running Southerly from said 1/4 corner, passes 18.70 feet West from this Section corner:

To day, with my transit over a hub set 18.70 feet West from the Section corner of Sections 4, 5, 8 and 9, T135 R9 29, I back sight Northerly on my old transit line that leads to the 1/4 corner, and extend my old transit line: South, on random line between Sections 8 and 9, Chaining o.o. from a point 18.70 feet West from this section corner:

At 230 feet leave low land; at 300 set pin, plus 155.5 = 455.5 set hub on top of hill

Note: All "Hubs" are Rail Road spikes; thence down hill: 86.4 to 541.9 set Hub 4 feet north of lake which bears NW and SE; + 300 = 841.90 set pin on ice; at 1141.9, pin on ice; at 1441.9 set pin on low shore 31 feet South of lake which bears NE and SW.

This lake is the overflow from Gull Lake

over

Record No 554. continued

continued from page 203; this book:

At Hub 455.5 we take bearing lines being 5 inch Birch, N 27° 01' W 26.65 feet to a spot at base. 3 inch Birch bears S 84° 24' E 5.60 ft to spot at base.

April 9th 1939 continue Southwardly: From pin at 1441.9 South 23.4 to 1465.30 set Hub; π over 1465.30 take ties; 8 inch Elm line, N 33° 33' E 37.28 ft to spot at base. 10 inch green Poplar stump N 31° W 3.00 ft to spot at base. Continue South; 1465.30 + 185.80 to 1651.10 set Hub on top of hill being R.R. spike on South brink with lines, being; Plus 1 of 3 Birch lines, each 5 inches, Center Birch N 60° 30' W 32.40 ft to spot at base; 8 inch Oak N 80° 15' E 50.35 ft to spot at base; Magnetic variation now reads 4° 50' E, but our transit line has not changed but runs straight from the 1/4 corner above described; continue South; 1651.10, thence down hill 148.9 to 1800 set hub: At 1810 enter meadow NE-SW; Meadow runs West 100 feet, then SE, ~~ft~~ from 1900 to 1950 touch low point of land from the west: 2100 set pin in bog + 141.2 to 2241.2 set hub on N. edge of Stony Brook. Left bank where the same now runs Eastly, about 50 feet wide. Note: This Brook originally crossed this line away South but the Lumber men cut the bank and turned the water into this Lagoon. Hub 2241.20 sets 10 ft from water - Throw logs over Brook and chain 300 ft to 2541.2 set pin in frozen bog. 2541.2 + 155 = 2696 Right bank of Creek in bend flows NW 2753 Leave R. Bank - lies NW and SW; 2541.2 + 300 being 2841.2 set pin in bog. 2860 to 2875 touch R. bank of Creek. 2841.2 + 103.2 = 2944.4 set Hub. π over 2944.4 take ties; T. Win Elm 28 inches at base, bears N 20° 40' E 18.35 ft to spot at base; 14 inch Elm S 73° 40' E, 24.90 ft to spot on N. Root Course line from this random line we are running 3244.4 pin in low land, + 50.2 = 3294.60 Hub in low land.

April 19th 1939 Transit over 3294.60 take lines: Elm 12 N 61° 31' W 28.70 ft to spot at base. Elm 11 N 22° 58' W 37.92 ft to spot at base.

Continue South: 3294.60 + 5.40 = 3300. set pin @ 3600. set pin + 56.25 = 3656.25 set Hub R.R. spike on N. side of old R.R. grade 3 ft from North edge. Ties to 3656.25 are: Elm 8 S 23° 15' E 38.60 ft to spot 3 ft up from base; Oak 5" S 43° 05' W 19.20 ft to spot 3 ft up. Transit still over 3656.25 B.S. on Hub 3294.60 and attempt to run South; We hit too many trees and as Mr John A. Iverson who lives on NE 1/4 of SE 1/4 of Sec 8 T135-R29 says we cannot cut his timber we try to miss lines by running 1° 50' to the Right. Assuming for the moment that our random line just is called "South" we run: S 1° 50' W: 3656.25 + 3.75 = 3660 set pin: 3675 to edge of old R.R. grade; 3688 foot of grade - runs NW and SE; enter wet low ground: 3940 enter water; 3960 set pin; At 4070 L.V. water in Pot. hole which bears NE and SW: 3960 + 238.62 = 4195.62 set Hub; Transit over 4195.62 Back Sight N 1° 50' E and take ties: Norway Pine 12 inch S 56° 56' E 17.70 + .50 = 18.20 ft to spot at base: 5 inch Jack Pine bears S 11° 33' W 8.70 ft to spot at base. 4195.62 + 4.38 = 4200. set pin + 290.6 = 4490.6 set Hub. Ties to 4490.6 are: 16 inch Jack Pine N 26° 22' W 16.82 to spot 2 feet up. 16 inch Jack Pine S 70° 37' E 28.75 ft to spot at base. Continue South: 4200 + 300 = 4500, set stake.

April 20th 1939: On account of heavy timber, brush and water ahead we correct our South end of random line, so as to be in line with our original random line first started. continued on Page 206.

Record No 554

D

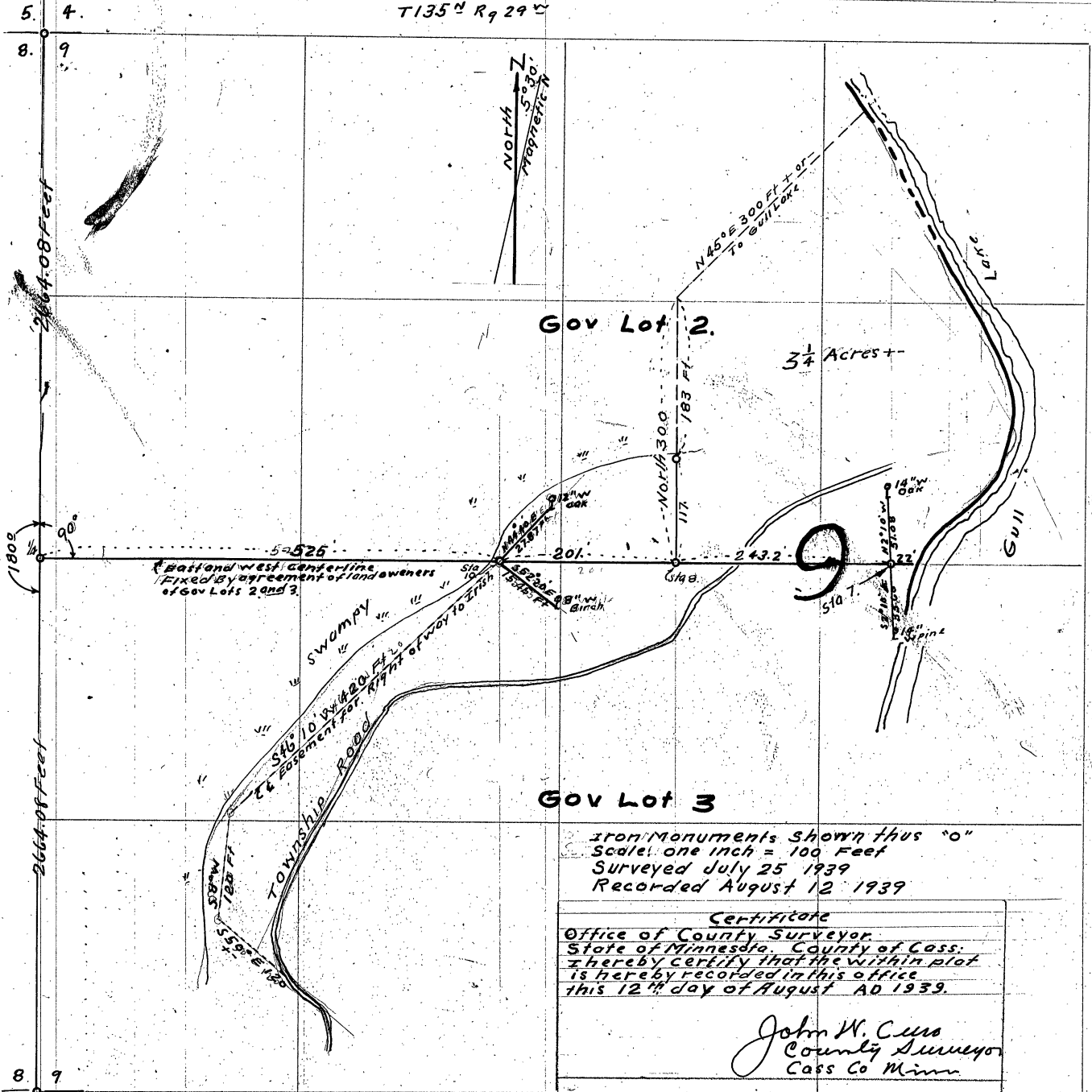
N 557

135-29

Sec 9. T135 R29

PLAT

T135^N R9 29^W



Gov Lot 2.

3 1/4 Acres +-

Gov Lot 3

Iron Monuments shown thus "o"
 Scale: one inch = 100 Feet
 Surveyed July 25 1939
 Recorded August 12 1939

Certificate
 Office of County Surveyor
 State of Minnesota, County of Cass:
 I hereby certify that the within plat
 is hereby recorded in this office
 this 12th day of August AD 1939.

John W. Cull
 County Surveyor
 Cass Co Minn.

Record No 554. continued

Notes continued from page 204 this book.

and with transit over hub 4490.6, back sight on hub 3656.25, turn 90° and chain East 26.70 ft and set hub on line with first random. Transit over Hub 4195.6, back sight on hub 3656.25, turn 90 degrees and chain East 17.26 to point in line with our first random line. Transit over corrected hub 4490.6, back sight on corrected hub 4195.6 and continue South across swamp - no chain too wet.

April 21st 1939: Transit over corrected hub 4490.6 South, run S 58° 58' E 228.2 to a point 4608.24 ft South and 195.54 feet East from our original random line. Transit over 4608.42 S, we run S 1° 24' W 718 feet to an iron monument previously established for the true corner to Sections 8, 9, 16, 17, T 135, R 9 29.

The total length of our random line if extended, would be 5325.92 feet and it would hit out at a point 174.23 feet West from the corner to Sections 8, 9, 16 and 17, as above. Total length via section line is 5328.16 feet

To mark ties and bearings in Sections 16 and 17 T 135 R 9 29 to preserve this corner for future surveys in said sections: at the corner to said sections 8, 9, 16 and 17 T 135 R 9 29, we find an iron monument previously established by me and set from the stumps of the old U.S. bearing lines:

From this corner we run:

1^u In Section 16 T 135 R 29: we run S 14° E 118.8 feet where we drive a flat iron marker in stump of the old original government bearing tree then

7ⁿ In Section 17 T 135 R 9 29 we run: S 1° W 50 feet where we place a stone with cross (+) in top to mark a bearing object in said section 17. Stake placed to mark stone.

correction for random line.

To correct the random line to the true line between Sections 8 and 9 T 135 R 9 29 at 90° to random line assumed as East, the correction is .0292 plus 18.70 East for each ft. As $\tan 1^\circ 40\frac{1}{2}' = .0292$, plus 18.70 East.

Hub	00.00 S goes East	00.00 + 18.70	To cor of Section 4, 5, 8, 9.
"	455.50 S "	13.30 + 18.70	to 32.00 E to true section line
"	541.90 S "	15.83 + 18.70 =	34.53 E " " "
	1331.48 S goes East	38.88 + 18.7 =	57.58 to point for N to Cor Bet Secs 8 and 9.
	1465.30 S " "	42.78 + 18.7 =	61.48 to true sec line
	1651.10 S " "	48.21 + 18.7 =	66.91 " " " "
	1800.00 S " "	52.56 + 18.7 =	71.26 " " " "
	2241.20 S " "	65.44 + 18.7 =	84.14 " " " "
	2662.96 S goes East	77.76 + 18.7 =	96.46 To 1/4 Corner Bet Secs 8 and 9 29
	2944.40 S " "	85.99 + 18.7 =	104.69 To true sec line
	3294.60 " "	96.21 + 18.7 =	114.91 " " " "
	3656.20 " "	106.76 + 18.7 =	125.46 " " " "
	3994.44 S goes East	116.64 + 18.70 =	135.34 To So 1/16 Cor bet Secs 8-9

Survey Record No 554. continued

July 25-1939. Transit over Sta 9 which is 653 ft East from 1/4 Corner we chain West down hill on line line 128 ft to Station 10 which is 525 feet East from the 1/4 Corner West 525 ft where we set a 2x36 inch pipe for the True 1/4 Corner between Sections 8 and 9 T135 R9 29

To "Fix By Agreement" the True East and West Center line of Section 9 Twp 135 R9 29 between Government Lots 2 and 3. of said Section we check the course and distance as follows: Beginning at the 1/4 corner just established we turn 90° to the true North and South Section line and run: East along the true centerline: at 525 feet intersect "Sta 10" and set a 2x36 inch iron pipe from which a 12 inch white oak tree bears N 44° 40' E 27.97 ft to a spot at base, and an 8 inch white Birch tree bears S 52° 20' E 15.45 ft to a spot at base Magnetic var reads 6° 30' E continue East 201 ft to a point 726 ft East where we set a 2 1/2 x 30 inch iron pipe at our point marked "Sta 8" Hence east 243.20 ft to our Sta 7 which is 969.20 ft East from the 1/4 Corner and set a 2x36 inch pipe from which a 14 inch White Oak tree bears N 2° 10' W 51.08 feet to spot at base and a 15 inch White Pine tree bears S 2° 10' E 35.60 feet to spot at base. and a cluster of 5 Basswood trees joined at base 30 inches in diameter bears N 84° 33' W 42.60 ft to spot at base. This iron sets 22 ft West from the wall of Gull Lake which bears NE and SW This last line just established is to be the True Line as agreed upon by the land owners of Gov Lot 2 and Gov Lot 3 of said Section 9 T135 R9 29. Henry G. Smith and Florence Smith husband and wife of Anoka Co Minn are the owners of said Lot 3 and Mrs Louise Irish and Lois R. Newman of Minneapolis Minn are the owners of said Gov Lot 2. and they all agree to accept the line I have just established as their True Line Fixed by agreement

Mr Henry G. Smith is here to-day July 25th 1939 and says for himself and his wife that he accepts the line as his true line. Mrs Louise Irish was here April 8th 1939 when I pointed out to her about where the line would come and she agreed that any place I put the line would be satisfactory to her self and Lois R. Newman the line between said Lots 2 and 3. comes within a few feet of where I pointed it out to Mrs Irish. Survey began April 8th 1939 Finished July 25th 1939

I, John W. Curo County Surveyor Cass Co Minn hereby certify that I have surveyed the above land and set iron monuments and bearing trees as herein recorded and that the plats and notes herein are correct Dated at Walker Minnesota this 12th day of August 1939

Surveyed July 25 1939

Recorded August 12-1939

Note: 2. Plats in this survey - Page 202 and 205

John W. Curo
Co Surveyor Cass Co Minn

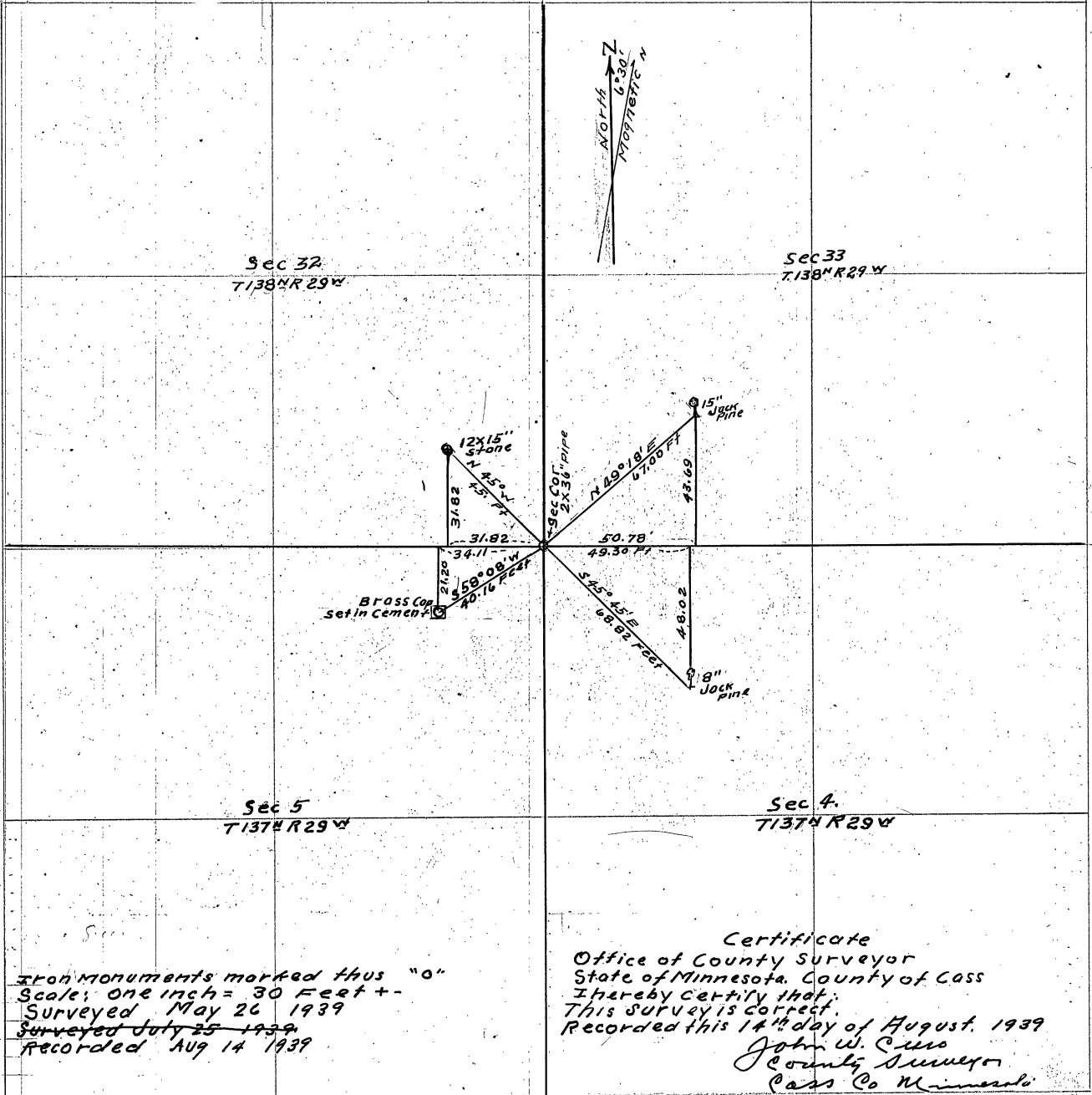
Certificate

Office of County Surveyor
State of Minnesota, County of Cass
I hereby certify that the within Field Notes
are hereby recorded in this office
this 12th day of August A.D. 1939.
John W. Curo
County Surveyor

555
137-29
138-29

PLAT
Sections 4 and 5, T.137. N. R. 29. W. 5th P.M.
32 and 33 T.138. N. R. 29. W. "

RECORD N° 555.



Iron monuments marked thus "o"
Scale: One inch = 30 Feet +-
Surveyed May 26 1939
Surveyed July 25 1939
Recorded Aug 14 1939

Certificate
Office of County Surveyor
State of Minnesota, County of Cass
I hereby certify that:
This survey is correct.
Recorded this 14th day of August, 1939
John W. Sells
County Surveyor
Cass Co Minnesota

Record No 555. Notes

Sections 4, 5, T137 R29.

" 32, 33 T138 R 29.

Field notes of the survey and establishment of stone and iron monuments and new bearing trees in the following described sections.

Sections 4 and 5, in Township 137 N, Range 29 W, 5th P.M. and

Sections 32 and 33, in Township 138 N, Range 29 W, 5th P.M. All in Cass County Minnesota.

As the corner to sections 4, 5, 32, and 33, between townships 137 and 138 N, Range 29 W, has been almost entirely wiped out by the construction of a new State Aid Road running East and West along the township line, I have been requested by the adjoining land owners to re-establish and preserve this corner.

The land in the various sections adjoining this corner is valuable property, and the loss of the corner might cause confusion and possible litigation among the land owners.

And as I am the man who originally established this corner from the original U. S. Bearing trees when they were all standing and plainly marked, I re-establish the same from my old survey notes.

The true corner as established by me, years ago was a long iron pipe 2 x 60 inches in size, driven its full length in the ground with various ties and bearing trees;

Today I find the iron pipe, bent in a circle, and pulled almost entirely out of the ground, with the lower end of the iron still resting near the top of the hole made in the ground, the hole is very plain and distinct, however, but is rapidly filling with dirt.

I check the position of this hole in the ground with some faint traces of my old ties, and know positively that it is at the point of the original true corner.

I push the iron to one side, and drop in the hole from whence it came, a 2 x 36 inch iron pipe, placed 4 inches below the surface of the ground for a true section corner as above described, and take new bearings as follows.

In section 32, T 138, Rg 29; we set a 12 x 15 inch stone in the ground with a flat side facing the section corner; the stone bears N 45 degrees West, 45 feet distant, measured the flat side of said stone. 9 inch Power Pole bears N 18° 50' W 79.90 to spot at base.

In section 15, T 137, Rg 29, we run S 58° 8' West, 40.16 feet to the corner of a brass cap, 3 1/2 inches in diameter set in a cement block about 9 inches square on top and set about 3 inches above ground; the brass cap is marked; "U. S. Coast and Geodetic Survey" Bench Mark, 6 feet (blank) feet above sea level - 8.185 from this same corner an electric light power pole, about 15 inches in diameter bears ¹⁹³⁵ S 38 degrees and 30 minutes West 47.00 feet to a new spot we make at the base of the pole.

A 2 1/2 inch Jack pine bears S 22° 13' West 67.30 feet to the corner of the tree which stands 1/2 foot North from a smaller jack pine tree.

Notes 555 continued

In Section 4, T.137, Rg. 29; The NW Corner of the cement foundation of Nick Ritchie's gas pumps, bears S 30 degrees and 45 minutes East 77.20 feet distant and an 8 inch Jack Pine tree, bears S 45° 45' East 68.82 feet to a new spot we make at the base.

Then as a check we run; ⁸⁰

In Section 33, T.138, Rg. 29; N 49° 18' East 67.00 feet to a 15 inch jack pine; thence South 43.7 feet and West 50.8 ft to the section corner.

Then as a check we run; ⁵⁸

In Section 32, T.138 Rg. 29, N 45° West 45.00 feet to the flat face of the 12 X 15 inch stone bearing; thence South 31.8 feet and east 31.8 feet to the section corner.

Then as a check we run; ⁶¹

In Section 5, T.137, Rg. 29; S 58° 8' West 40.16 feet to the brass cap above recorded; thence North 21.2 feet and East 34.1 feet to the section corner;

Then as a further check we run; ⁵⁶

In Section 4, T.137, Rg. 29; S 45° 45' East to the spot at the base of the 8 inch Jack Pine tree; thence North 48. ft and West 49.3 feet to the section corner, the place of beginning. ⁵⁴

All angles taken from the true Meridian which we establish using the centerline of the main highway looking West as a true East and West line.

The magnetic variation reads 5° 15' East. ³⁶

This corner sets in the centerline of 4 graded roads leading N, S, E and W.

This survey was made May 26th 1939 by John W. Curo, assisted by Harold J. Curo, in the presence of Nick Ritchie and his wife and a party of Highway repair men. ⁴³

The above survey is correct; Recorded this 14th day of August 1939.

Certificate

Office of County Surveyor
State of Minnesota, County of Cass
I hereby certify that the within Field Notes
is hereby recorded in this office
this 14th day of August A.D. 1939.

Surveyed May 26 1939

Recorded August 14th 1939

John W. Curo
County Surveyor
Cass Co. Minn

Sections 5 and 6. T. 142 R. 31.

Sections 31 and 32. T. 143 R. 31.

Field Notes of the survey made in Sections 5 and 6, Township 142 N, Range 31 W, and sections 31 and 32, Township 143 N, Range 31 W, of the 5th Principal Meridian, Cass County, Minnesota as made by John W. Curo, County Surveyor, Cass County, Minnesota.

May 21st 1939 At the corner to Sections 5 and 6, Twp 142 N, Rg 31 W, being also the corner to sections 31 and 32, Twp 143 N, Rg 31 W, where the field notes of the original U. S. survey call for a post and the following bearing trees:

Aspen 10 inch N 40 1/2 degrees East 32 links
 Aspen 10 inch S 79 degrees West 22 links
 Aspen 14 inch N 15 degrees West 28 links
 Aspen 6 inch S 77 degrees East 34 links.

As this corner was established by me in the year 1916 and accurately set from the remains of the above mentioned bearing trees at which time we set a 2 1/4 by 4 1/8 inch, capped iron monument, and as this iron corner has been pushed out of place and a new corner set, I straighten up the iron to its original position and take new bearings as follows:

White Oak 14 inch, N 7 degrees East, 81.85 feet in Sec. 32, T. 143, Rg 31. Then N 98 W and 81.245 to corner
 White Oak 15 inch, N 67 degrees and 20 minutes West 134.65 feet in Section 31, Twp 143, Rg 31. Then N 15.45 and E 29.89 to corner
 White Oak 12 inch, S 62 degrees and 40 minutes West, 33.65 feet in Section 6, Twp 142, Rg 31. Then N 15.45 and E 29.89 to corner
 White Oak 13 inch, S 37 degrees and 10 minutes East, 29.05 feet in Section 5, Twp 142, Rg 31. Then W 17.56 and N 23.15 to corner

All courses and distances taken to a spot at the base of each tree. The South East tree carries old round timber scribe marks which appear to be about 20 years old.

All courses taken from the true Meridian, turned with a good engineers transit in perfect adjustment, using the true line between said sections 5 and 6, as a North and South line.

The magnetic meridian reads N 6 degrees and 30 minutes east and called Var 6° 30' E.

The true corner is the above mentioned 2 1/4 by 4 1/8 inch, capped iron monument, and is all galvanized iron, with a 3 inch cap.

The line run to each new bearing tree, passes over a part of the above mentioned sections, and was chained with a new steel tape.

From this true section corner just established, an iron pipe with a 2 inch cap, sets 3 inches north, center to center of the irons and the 2 inch cap is marked as follows: "U. S. Gen. Land office survey 1919" Marked also: "Twp 143 N, Rg 31 W, Sec. 31 and 32" "T. 142 N Sec. 5--6"

This survey was made to preserve the true corner for the benefit of future surveys to be made in said sections 5, 6, 31 and 32. Surveyed May 21-1939 Harold J. Curo Assistant.

I hereby certify the above survey is correct. Recorded this 15th day of August, 1939

Office of County Surveyor
 State of Minnesota. County of Cass. I hereby certify
 that the within Field Notes is hereby recorded August 15th 1939

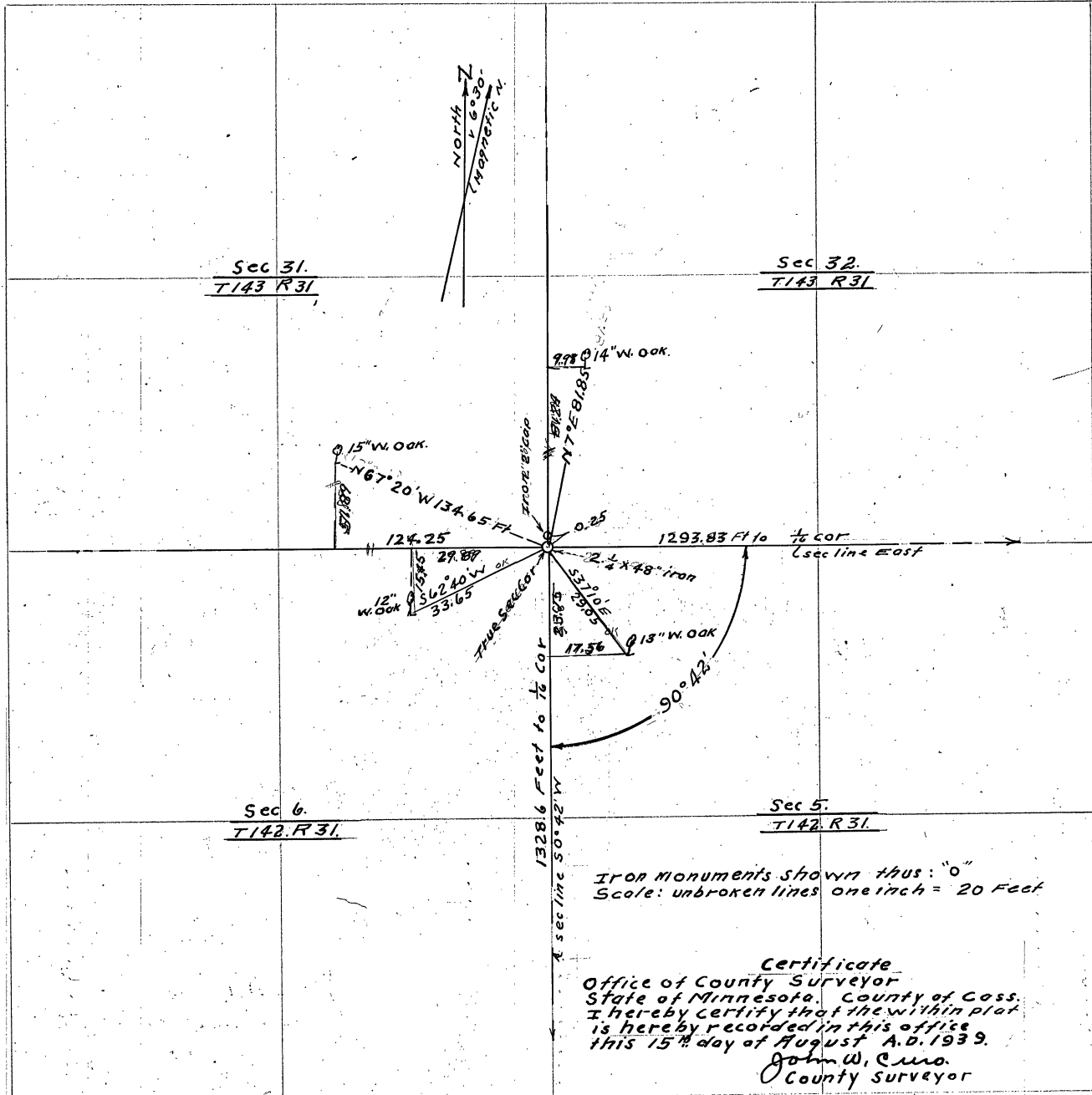
John W. Curo.
 County Surveyor Cass Co. Minn

D
PLAT

Sections 5-6, T142 R31
31-32 T143 R31

142-31
143-31

SURVEY RECORD NO 556.



IRON MONUMENTS SHOWN THUS: "O"
Scale: unbroken lines one inch = 20 Feet

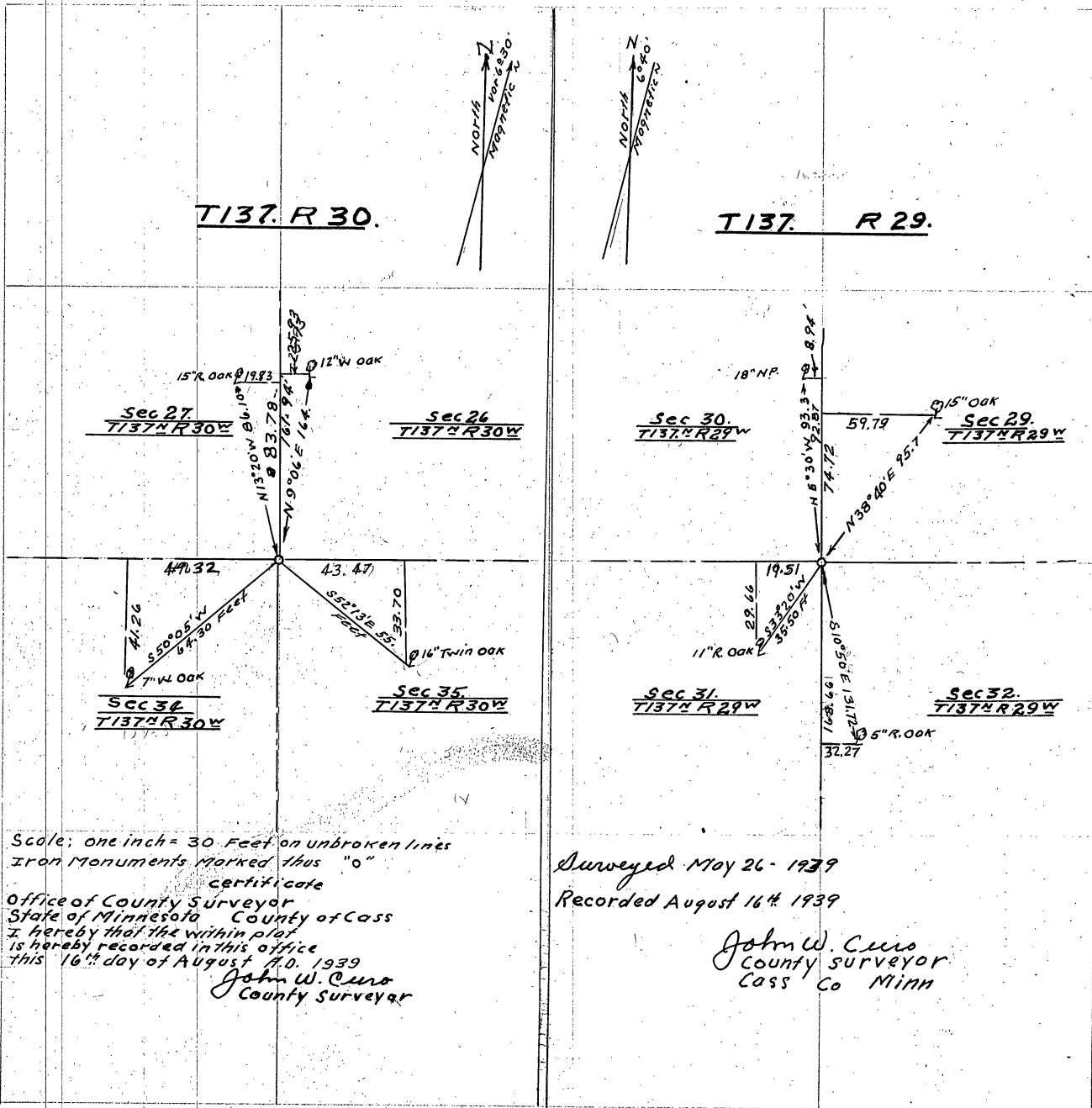
Certificate
Office of County Surveyor
State of Minnesota, County of Cass.
I hereby certify that the within plat
is hereby recorded in this office
this 15th day of August A.D. 1939.
John W. Cunn
County Surveyor

Surveyed May 21-1939
Recorded August 15-1939
John W. Cunn
Co. Surveyor Cass Co. Minn

Sections 29-30-31-32 T.137ⁿ R₉ 29^w 5th P.M
 " 26-27-34-35 T.137ⁿ R₁ 30^w 5. P.M
 Cass Co Minnesota

137-29
 137-30

PLAT



Scale: one inch = 30 Feet on unbroken lines
 Iron Monuments Marked thus "O"

certificate
 Office of County Surveyor
 State of Minnesota County of Cass
 I hereby record in this office
 this 16th day of August A.D. 1939
 John W. Curo
 County Surveyor

Surveyed May 26 - 1939
 Recorded August 16th 1939

John W. Curo
 County Surveyor
 Cass Co Minn

Notes. Record No 557.

Sections 29-30-31-32. T137N R 29W 54 PM.

" 26-27-34-35. T137N R 30W. 5 P.M.

Field notes of the survey and establishment of iron monuments and new bearing trees in Sections 29, 30, 31, and 32, Township 137N, Range 29W of the 5th Principal Meridian, Cass County Minnesota and in Sections 26, 27, 34 and 35 Township 137N, Range 30W, in said county, as made by John W. Curo, County Surveyor in said County as follows:

May 26, 1939, At the corner to Sections 29, 30, 31 and 32, T 137N, R 29W, we find that the cement monument established by me in 1910 has been graded out or otherwise lost and we wish to establish this corner permanently for future surveys in the above sections, and to mark and record new bearing trees.

After relocating the same from the notes of my old surveys we set a 2 1/4 by 1 1/8 inch iron pipe for the true corner to Sections 29, 30, 31, and 32. T 137, R 29 with new bearings as follows:

From the iron corner we run:

In section 29, T 137, R 29; N 38 degrees and 40 minutes E, 95.70 ft. to a spot at the base of a 15 inch oak tree.

In section 30, T 137, R 29; N 5 degrees and 20 minutes W, 93.30 ft. to a spot at the base of an 18 inch Norway Pine tree.

In section 31, T 137, R 29; S 33 degrees and 20 minutes W, 35.50 ft. to a spot at the base of an 11 inch Red Oak tree.

In section 32, T 137, R 29; S 10 degrees and 50 minutes E, 131.72 ft. to a spot at base of 5 inch Red oak tree.

All courses turned with a transit using the line between Secs 30 and 31 as our base.

Magnetic Variations reads 6° 40' E

6° 40'

At the corner to Sections 26, 27, 34 and 35 Township 137N, Range 30W, we find the iron monument previously established by me, has been knocked slightly out of place with the road drag, and in order to hold and record the true position of this corner, we straighten the iron to its true original position and mark new bearings as follows:

From this true corner to said sections 26, 27, 34 and 35, which is a capped iron monument 2 by 48 inches in size, driven its full length in the ground, we run:

In section 26, T 137 R 30; N 9 degrees and 6 minutes East, 164.00 ft. to a spot at the base of a 12 inch white oak tree.

In section 34, T 137 R 30; S 50 degrees and 5 minutes West, 164.30 feet to a spot at the base of a 7 inch white oak tree.

In section 35, T 137 R 30; S 52 degrees and 13 minutes E., 55.00 feet to a spot at the base of a 12 inch and 12 inch twin Br. Oak tree.

6° 30'

Line between Sections 26 and 27 as a meridian. Var. 6° 30' E.

The plat and notes herewith is correct.

Recorded this 16 day of August 1939.

Certificate
Office of County Surveyor
State of Minnesota, County of Cass
I hereby certify that the within Field Notes
is hereby recorded in this office
this 16 day of August A.D. 1939

Surveyed May 26-1939
Recorded August 16th 1939

John W. Curo
County Surveyor
Cass Co. Minn

Sections 2 and 3 T139 R30

" 22, 23, 26, 27, 34, 35 T140 R30.

Field notes of the survey of sections 2 and 3, townships 139 N, Range 30 W, and sections 22, 23, 26, 27, 34 and 35, townships 140 N, Range 30 W, of the 5th Principal Meridian, Cass Co. Minnesota as made by John W. Curo, County Surveyor of said county, assisted by Harold J. Curo and Wilfred Miller are as follows:

August 30th 1939; At the corner to sections 22, 23, 26, 27, T. 140, R. 30 we find an iron pipe, previously established by me and set from the original U. S. bearing trees, but as the said iron pipe is down and may have been moved, the corner is really obliterated.

We reestablish the true point for this corner from faint traces of my first surveys, and replace the iron which is a 2 x 48 inch iron pipe, driven in the boggy ground, for the true corner to said sections and establish new bearing trees as follows:

From this true corner we run:

In Section 23, T. 140, R. 30; North 6 degrees and 20 minutes East, 193.35 feet to a spot at the base of a 5 inch White Pine tree.

In Section 22, T. 140, R. 30; North 43 degrees and 45 minutes West, 94.10 feet to a spot at the base of a 6 inch Jack Pine tree.

In Section 27, T. 140, R. 30; South 59 degrees and 50 minutes West, 69.95 feet to a spot at the base of a 5 inch poplar tree.

In Section 26, T. 140, R. 30; South 43 degrees and 10 minutes East, 55.85 feet to a spot at the base of a 7 inch Jack Pine tree.

Courses turned from the true meridian. Magnetic Variation reads 6 degrees and 30 minutes East

This corner sets 2648.00 feet East, from the 1/4 corner between said sections 22 and 27.

September 1st 1939, Same Crew; At the corner to sections 2 and 3, T. 139, R. 30 being also the corner to sections 34 and 35, T. 140, R. 30, we find that an iron monument previously placed by me for the true corner appears to have been graded out and lost in the construction of a road, which also wiped out some of the U. S. bearing trees.

U. S. notes call for a post and the following bearing trees:

Norway Pine 20, N, 31° E 89 links (58.74 ft.)

Norway pine 18, N, 6 1/4° W 126 links (83.16 ft.)

Norway pine 20, S, 89 3/4° W 123 links (81.18 ft.)

Norway pine 22, S, 66° E 146 links (96.36 ft.)

The NW and SW trees have been grubbed out, but we find the NE and SE, being stumps of the original trees, plainly marked from which we establish an iron pipe for the true corner to said sections 2, 3, 34 and 35, on the town line between townships 139 N, and 140 N, R. 30 and mark new bearing trees as follows:

From said corner we run:

In Section 35, T. 140, R. 30; N 49° 53' E, 94.10 feet to a spot at base of a 12 inch Jack Pine tree.

In Section 34, T. 140, R. 30; N 21° 02' W, 90.90 feet to a spot at the base of a Twin 6 inch Jack Pine tree.

In Section 3, T. 139, R. 30; S 37° 10' W, 56.76 feet to a spot at the base of a 3 inch Jack Pine tree.

In Section 2, T. 139, R. 30; S 59° 50' E, 76.20 feet to a spot at the base of an 11 inch Jack Pine tree.

Turned from true meridian, Magnetic Variation reads 6 1/2 degrees East.

I, hereby certify that the above survey and record are correct. Recorded in my office this 2nd day of September 1939.

Surveyed September 1st 1939

Recorded September 2nd 1939

John W. Curo
County Surveyor, Cass Co Minn

Certificate

Office of County Surveyor
State of Minnesota, County of Cass
I hereby certify that the within Field Notes
are hereby recorded in this office
This 2nd day of September A.D. 1939

John W. Curo
County Surveyor

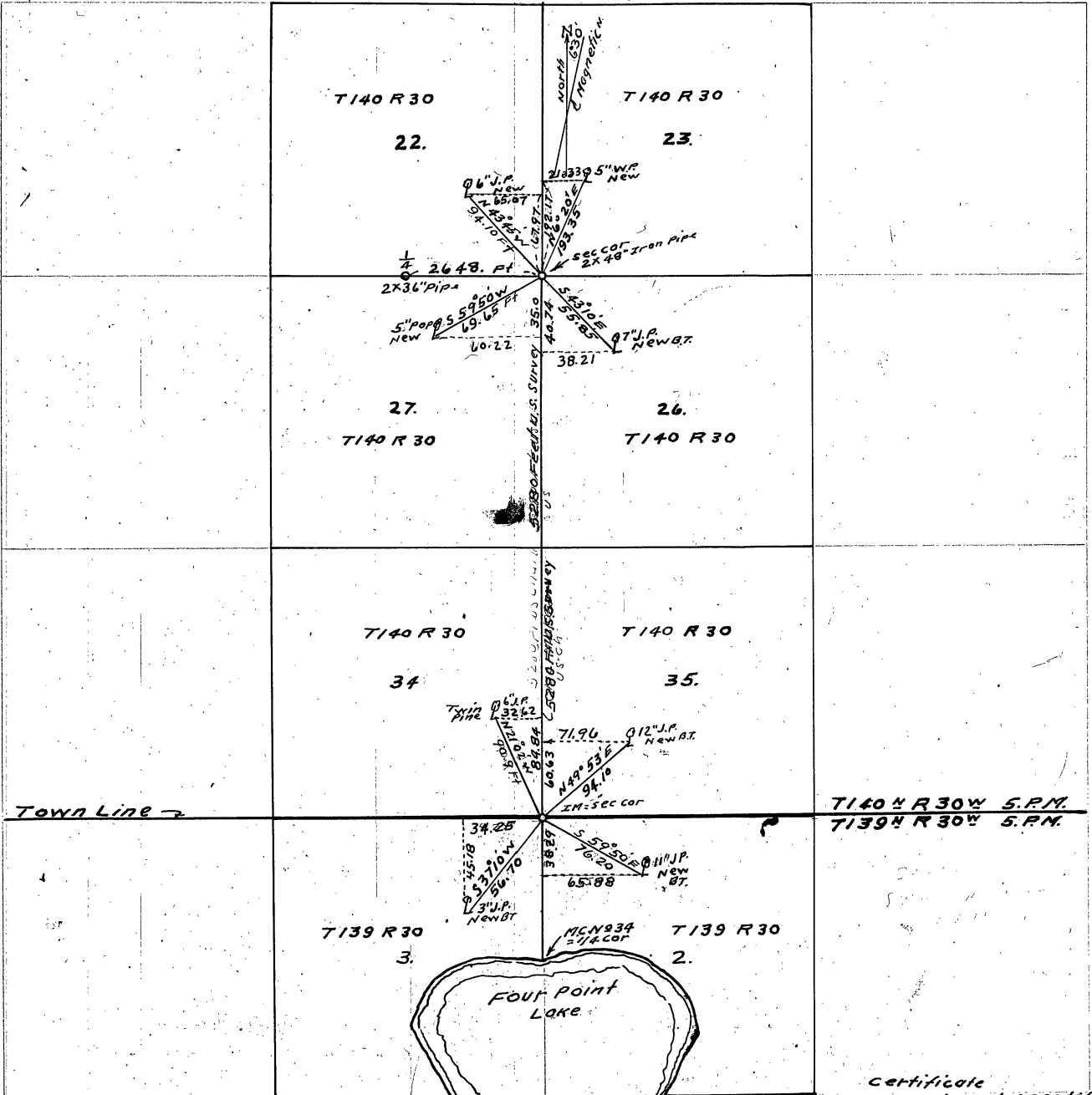
D
PLAT

No 558

217

558
139-30
140-30

Sections 2 and 3. T139 R30
" 22. 23. 26. 27. 34. 35. T140 R30.



Scale: 3 inches = one mile on Sec lines
Iron Monuments Marked Thus: "o"
Surveyed Sept 1st 1939
Recorded September 2nd 1939

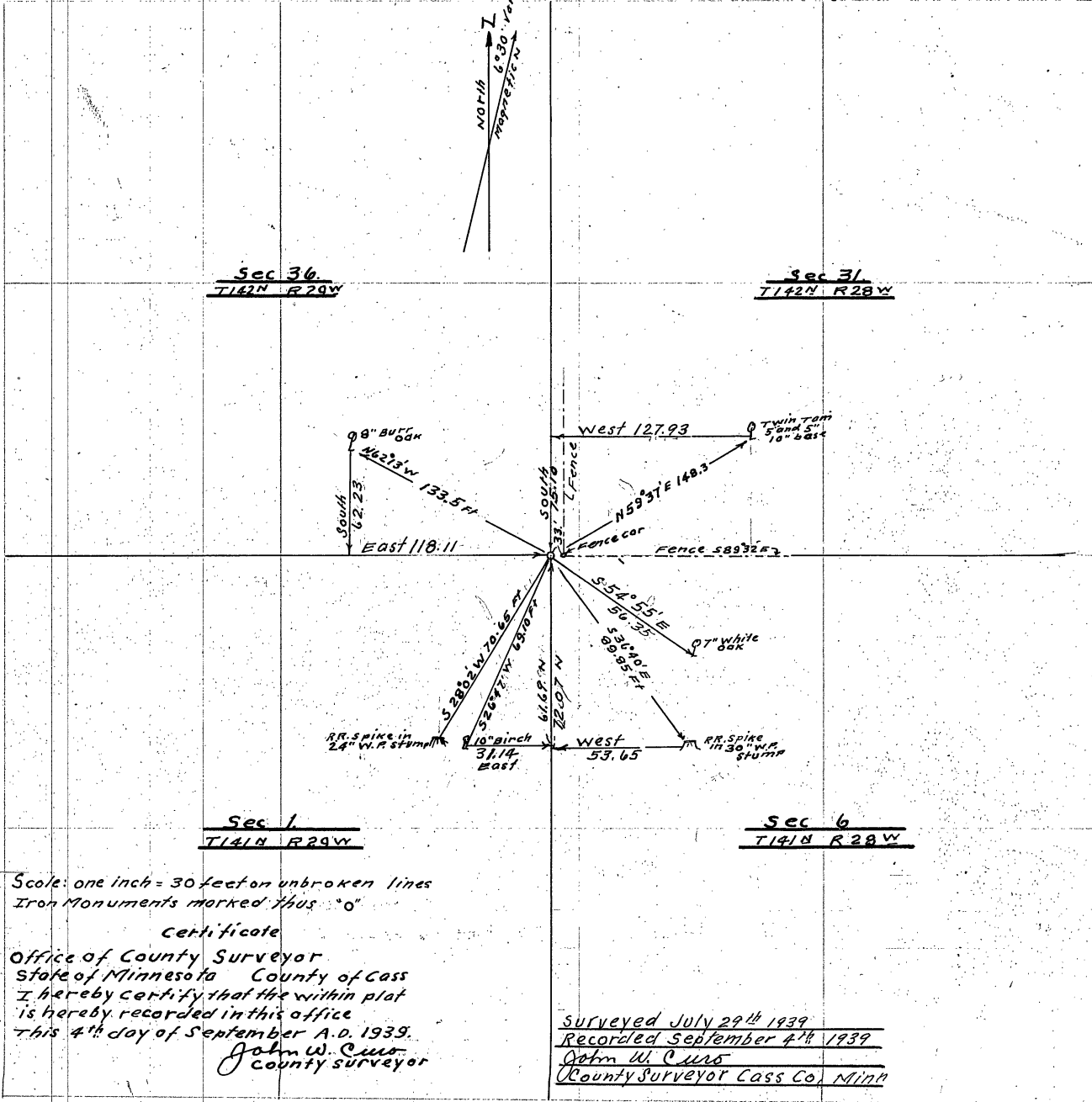
Certificate
State of Minnesota, County of Cass: I hereby certify
that the within plat is hereby recorded in this office
This 2nd day of September A.D. 1939
John W. Curo
Co. Surveyor
Cass Co. Minn

559 141-28-29
142-28-29

D
FLAT
No 559

Sec 6	T141	R28
"	31	" 28
"	1	" 29
"	36	" 29

No 559.



Scale: one inch = 30 feet on unbroken lines
Iron Monuments marked thus "O"

Certificate

Office of County Surveyor
State of Minnesota County of Cass
I hereby certify that the within plat
is hereby recorded in this office
this 4th day of September A.D. 1939.
John W. Cullis
County Surveyor

Surveyed July 29th 1939
Recorded September 4th 1939
John W. Cullis
County Surveyor Cass Co. Minn

Sections
 6 T. 141 R. 28
 31 142 28
 1 141 29
 36 142 29

Field notes of the survey and reestablishment of iron monuments and U.S. bearing trees plowed out and destroyed in the construction of a Highway running North and South between sections 1 and 6, T. 141, Rgs. 28 and 29 and sections 31 and 36, Township 142 N, Rgs 28 and 29 W, Cass Co. Minnesota.

July 29th 1939; John W. Curo, assisted by H. J. Curo and others find that the iron monuments and old U.S. bearing trees have been dug out and the monuments strewn along the road ditch. From old notes I am able to relocate this town corner at which point we drive an iron in the frozen road, and in order to preserve the point for future surveys take new bearing trees, well outside the road line right-of-way, and from the iron Township corner just established we run;

In Section 31, Township 142 N, Range 28 W; N. 59° 37' E 148.30 ft to a Spruce tamarack tree 5" and 5" to a spot at the 10 inch base. Then West 127.93 and So 75.10 as check. 146° corner

In Section 36, Township 142 N, Range 29 W; N. 62° 13' W 133.50 feet to a spot at the base of an 8 inch Burr oak tree. Then South 62.23 and 118.11 as a check, to sec corner

In Section 1, Township 141 N, Range 29 W; Run S 28° 02' W, 70.65 feet to a railroad spike, driven at the base of an old 24 inch White Pine stump.

And again from the same corner run S 26° 47' W, 69.10 ft to a spot at the base of a 10 inch Birch tree. Then 31.14 East and 61.69 North, as a check, to sec corner.

In Section 6, Township 141 N, Range 28 W, run S 36° 40' E, 89.85 feet to a railroad spike driven at the base of an old 30 inch White Pine stump. Then 53.65 West and 72.07 N. to corner

And again from the same corner run S 54° 55' E 56.35 feet to a spot at the base of a 7 inch White Oak tree.

Using the line between said sections 36 and 31 as a meridian.

Magnetic Variation reads 6° 30' E

From this corner, the south west corner post of a fence lies S 89° 32' E 33.00 ft. to the corner of a post which is a 7 inch Cedar and the fence continues the same course easterly as far as we can see in the underbrush.

The above survey and this record are correct.

Recorded in my office this 4th day of September 1939.

Surveyed July 29th 1939
 Recorded September 4th 1939

John W. Curo
 County Surveyor, Cass Co. Minn

Certificate

Office of County Surveyor
 State of Minnesota, County of Cass
 I hereby certify that the within Field Notes
 is hereby recorded in this office
 This 4th day of September, A.D. 1939
 John W. Curo
 County Surveyor

Sections: 4, 5, 8, 9, 16, 17, T. 139, R. 29.

Field notes of the survey of sections 4, 5, 8, 9, 16 and 17, Township 139 N, Range 29 W, of the 5th P. M. Cass Co. Minn., as made by John W. Curo, County Surveyor of said County, assisted by Cliff Peterson and Reed Curo and others, are as follows:

At the corner to sections 4, 5, 8 and 9, T. 139 N, R. 29 W, 5th P. M. we find a galvanized iron pipe, capped on top and 2½ by 36 inches in size, partly tipped out of place, and as the same is loose and may be lost, I re-establish the point for this true corner from old notes of my previous surveys, and take new bearing trees as follows;

From this true corner to said sections 4, 5, 8 and 9, I run;

In section 4, T. 139, R. 29, N. 23° 08' E 66.40 ft. to a spot at the base of a 7 inch Aspen tree.

In section 5, T. 139, R. 29, W. run N 32° 17' W 51.00 feet to a spot at the base of a 3 inch White Oak tree, and also in the same section I run N 41° 45' W 45.00 feet to an old 10 inch Aspen stump which was one of my old bearing trees.

In section 8, T. 139, R. 29, I run S 56° 20' E 50.40 feet to a spot at the base of a 6 inch Aspen tree;

In section 9, T. 139, R. 29, I run S 56° 20' E 75.35 feet to a spot at the base of 15 inch Norway pine, partly dry. Course turned from true Meridian, Magnetic Variation reads 7° 45' E. S.E. angle of present graded road is 88° 50'.

At the corner to sections 8, 9, 16 and 17, Township 139 N, Range 29 W, previously established by me and set from original U. S. bearing trees, we find a 2½ by 48 inch, capped, galvanized iron pipe set in a cement base, set too high, top has been bent NW about 18 inches.

We try to straighten it, but cannot, then set reference point to hold its original position, and dig it up. Trying to straighten it we break it and reset the top part which is 24 inches long, top sets 4 inches below road level for safety, set in center of East wheel track and take new tree as follows, and from this corner run;

In section 9, T. 139, R. 29; N 21° 25' E 43.93 ft. to a spot at the base of a 4 inch Birch tree. And from the same corner a 40" spike in the heart of a 24 inch White Pine stump, bears N 26° 33' E 75.50 ft. and an 8 inch Jack Pine tree bears N 63° 30' E 61.30 ft. to a spot at base.

In section 8, T. 139, R. 29; run N 8° W 163.60 ft. to a spot at base of 10 inch telephone pole.

In section 17, T. 139, R. 29; run S 52° 25' W 27.05 ft. to spot at base of 6 inch telephone pole. A fence runs S 88° 57' W 31.60 to 8 inch corner post of fence.

In section 16, T. 139, R. 29; run S 40° 40' E 73.04 ft. to spot at base of 7 inch Jack Pine tree. And from this same corner a 10 in poplar tree bears S 19° 25' E 83.00 feet to spot at base. Course turned from road line East Var. reads 62° 25'.

The re-setting of this corner was witnessed by Cliff and Clarence Peterson, Walter Pehoski, W^m Brody, and others.

First survey was made May 3rd 1935. Re-checked and surveyed for record Aug 1st 1939.

I hereby certify that the above survey and record are correct. Dated at Walker, Minn, this

5th day of September 1939.

Surveyed August 1st 1939

Recorded September 5th 1939.

John W. Curo.
County Surveyor, Cass Co. Minn.

Certificate

Office of County Surveyor
State of Minnesota County of Cass
I hereby certify that the within Field Notes
are hereby recorded in this office
This 5th day of September A.D. 1939

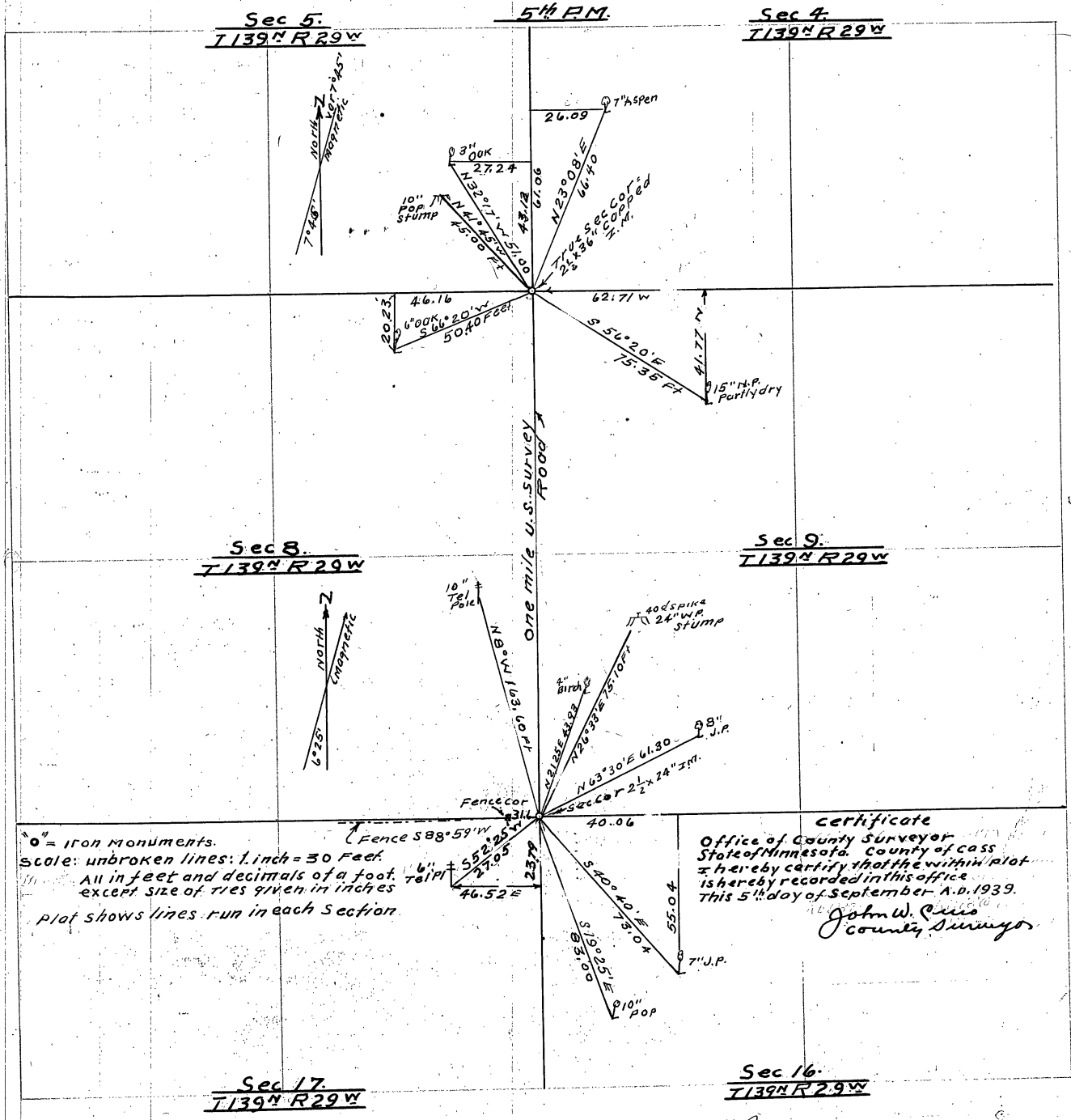
John W. Curo
County Surveyor

RECORD No 560.

PLAT.

560
139-29

T 139^N R 29^W 5th P.M.
Sections 4, 5, 8, 9, 16, 17.



0" = Iron Monuments.
 Scale: unbroken lines: 1 inch = 30 Feet.
 All in feet and decimals of a foot, ⁶/₁₆"
 except size of ties given in inches.
 Plat shows lines run in each Section.

Certificate
 Office of County Surveyor
 State of Minnesota, County of Cass
 I hereby certify that the within plat
 is hereby recorded in this office
 This 5th day of September A.D. 1939.
 John W. Curo
 County Surveyor

Surveyed August 11th 1939.
 Recorded September 5th 1939.

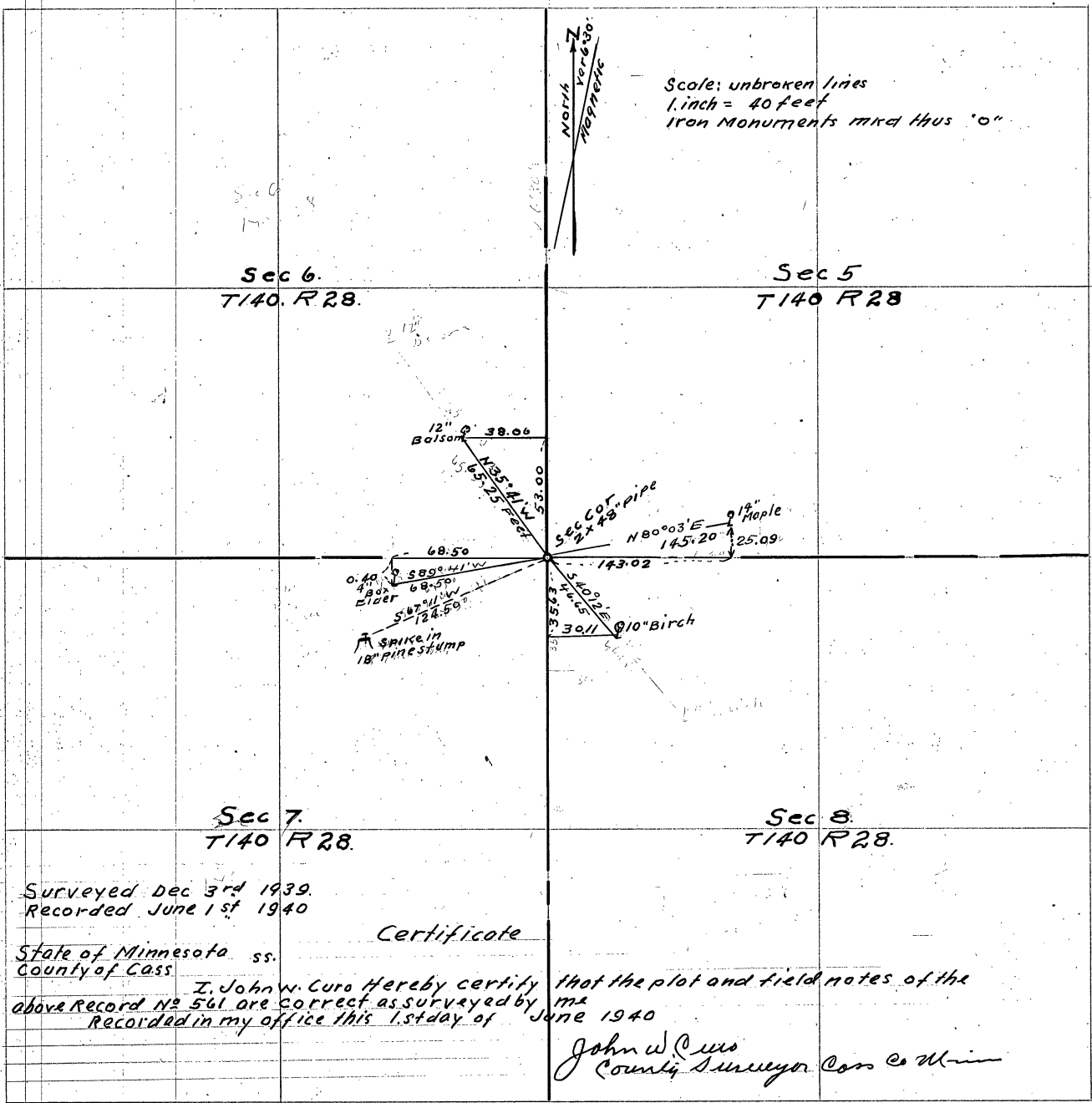
John W. Curo
 County Surveyor
 Cass Co. Minn.

Survey Record No 561.

Sections 5-6-7-8.

T140N R28W 5th P.M.

PLAT



Sections 5, 6, 7, 8.
T. 140^N R. 28^W 5th P. M.

Notes

Field notes of the survey of sections 5, 6, 7, 8, in Township 140^N, Range 28^W, 5th P. M., Cass Co., Minn., as made by John W. Curo, County Surveyor in said County, assisted by Harold J. Curo and others are as follows;

At the corner common to the 4 above sections we find a 2x48 inch pipe set for the section corner and as this pipe is leaning out of the ground and may be moved or lost we straighten same and take new bearings in the four surrounding sections. From this corner we run;

In Section 5, T. 140, R. 28; $N 80^{\circ}$ degrees and 3 minutes E 145.2 feet to a spot at the base of a 14 inch Maple tree; then check south and West to corner; thence we run;

In Section 6, T. 140, R. 28; $N 35^{\circ}$ degrees and 41 minutes W 65.25 ft. to a 12 inch Balsom tree; then check East and South to corner. thence we run;

In Section 7, T. 140^N, R. 28^W, we run South 89° degrees and 41 minutes W 68.50 ft. to a 4 inch Box Elder tree, then check N and E to corner, thence

In Section 8, T. 140^N, R. 28^W, we run; $S 40^{\circ}$ degrees and 12 minutes E 46.65 ft to a 10 inch Birch tree, then check West and North, to corner.

Magnetic Variation reads 6 degrees and 30 minutes E.

All measurements are made to a new spot we make at the base of each new bearing tree:

Surveyed December 3rd 1939. All surveys made as shown by the plat hereon,

Certificate

Office of the County Surveyors, Cass Co., Minn.

State of Minnesota

County of Cass ss.

I hereby certify that the within plat and field notes of the above survey are correct. Recorded in my office this 1st day of June A.D. 1940

John W. Curo
County Surveyor

Record No 562.

Sections 30 and 31, T. 137, R. 30.
Sections 25 and 36, T. 137, R. 31.

NOTES.

Field notes of the survey and establishment of iron monuments and new bearings in Sections 30 and 31, Township 137N, Range 30 West, and Sections 25 and 36, Township 137N, Range 31W All in the 5th P.M. Cass County, Minnesota, according to the survey made by John W. Curo, County Surveyor of said County, assisted by Harold J. Curo and others, are as follows:

At the corner common to the four sections above mentioned, we find a 2 X 48 inch iron pipe, previously established by me, to mark the true corner, set from the original old U.S. bearing trees given in the U.S. field notes. This corner sets in a graded east and west road and has been partly broken off; the top leans flat and lies under a pile of dirt; we try to straighten it but it breaks in the middle, and as the base of the pipe is still in its original position, and holds in the ground.

In order to preserve this corner so that it will not be lost or dragged away with the road grader, we take new ties in the four surrounding sections as follows:

From this broken pipe which is now 2 X 24 inches in size and which still marks the true corner we run:

In Section 30, T. 137, R. 30, we run: $N 19^{\circ} 46' E$ 31.30 feet to an 8 inch White oak tree; then check West and South to corner; thence

In Section 25, T. 137, R. 31, we run: $N 65^{\circ} 30' W$ 89.20 feet to a 10 inch Red Oak tree; then check South and East to corner; thence

In Section 36, T. 137, R. 31, we run: $S 69^{\circ} 46' W$ 61.40 feet to a 2 X 16 inch iron pipe driven at the base of a 2 inch fence post, then check North and East to corner, thence,

In Section 31, T. 137, R. 30, we run: $S 65^{\circ} 06' E$ 57.80 feet to a 2 X 16 inch iron pipe, driven at the base of 4 inch fence post, then check North and West to corner, All as shown by the plat hereon;

All measurements to the trees, is taken to a new spot we put at the base of each tree. Mag. Var. reads $7^{\circ} E$, course turned from center of road, looking east.

Surveyed, May 27th 1939:

Certificate

Office of County Surveyor, Cass Co. Minn.
State of Minnesota.

County of Cass

I hereby certify that the within plat and field notes of the above survey are correct.

Recorded in my office this 3rd day of June 1940

John W. Curo
County Surveyor

D

Record No. 562

Sections 30, 31 T137 N R 30 W

562

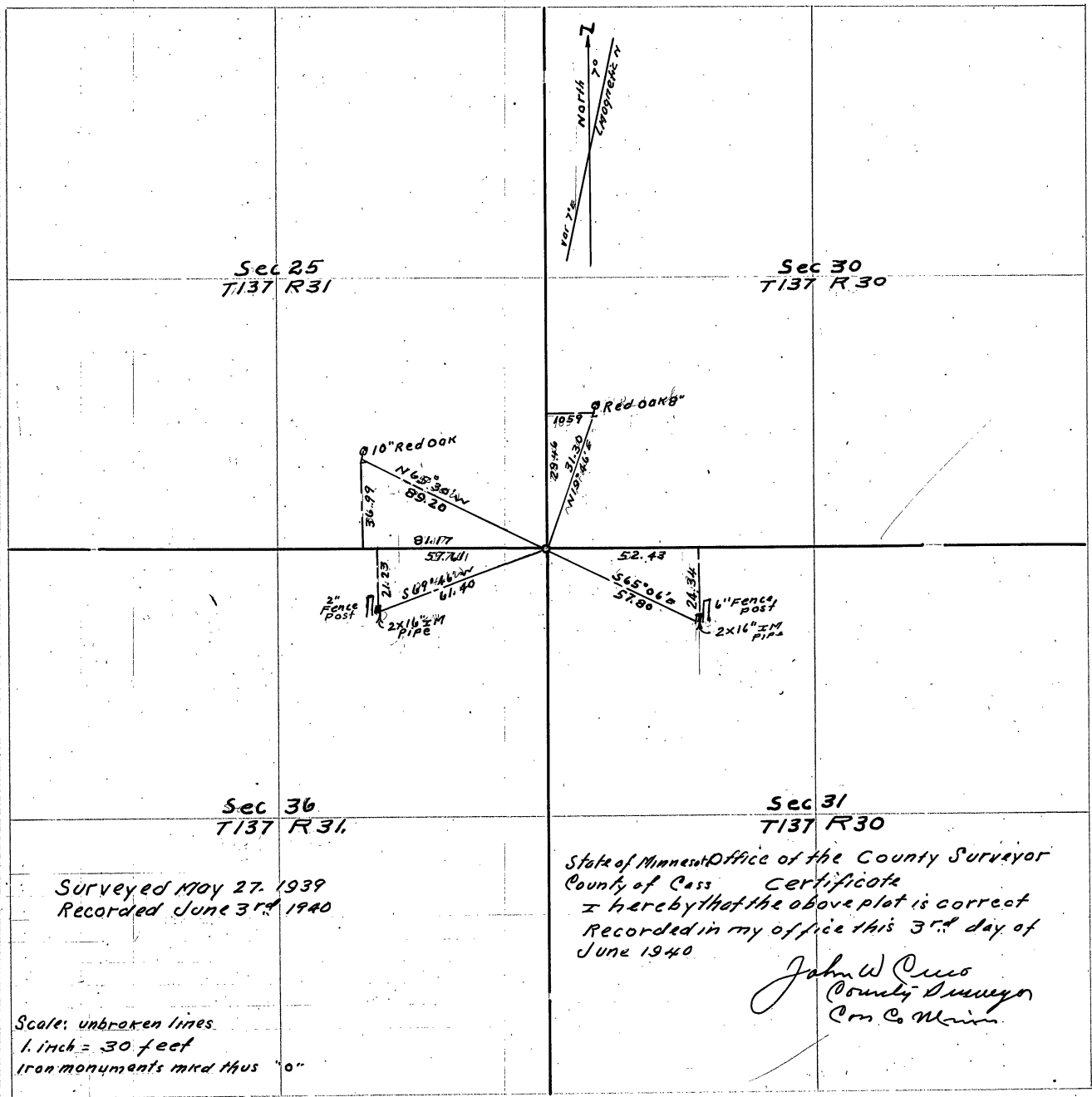
Sections 25, 36 T137 N R 31 W

5th P.M.

137-30

137-31

Plot



Surveyed May 27, 1939
Recorded June 3rd 1940

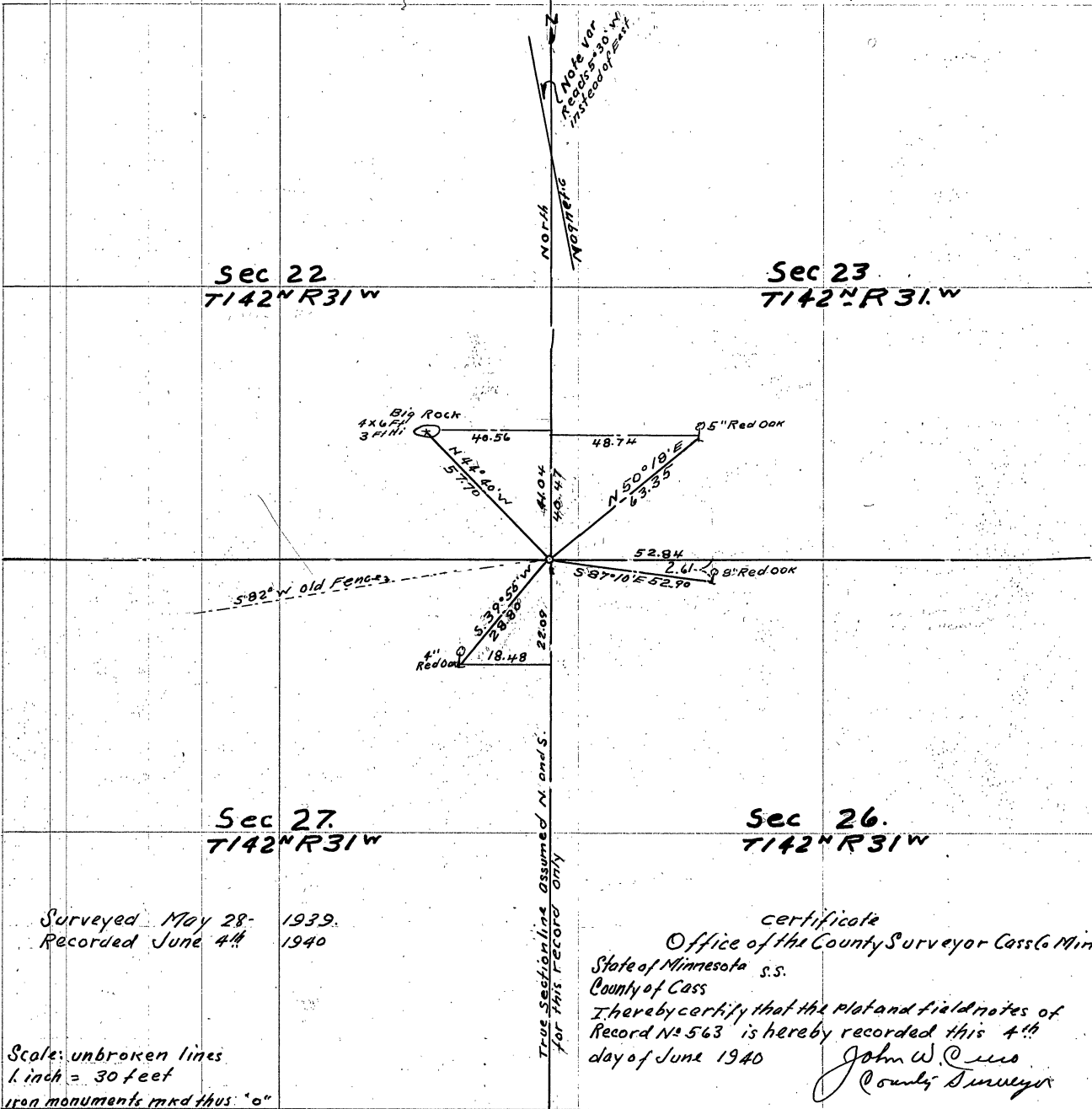
State of Minnesota Office of the County Surveyor
County of Cass Certificate
I hereby certify that the above plot is correct
Recorded in my office this 3rd day of
June 1940

John W. Cress
County Surveyor
Cass Co. Minn.

Scale: unbroken lines
1 inch = 30 feet
Iron monuments marked thus "o"

Sections 22, 23, 26, 27
T142. R9 31

Plot



Sections 22, 23, 26, 27.
T 142 R 31.

Field Notes

Field notes of the survey and establishment of iron and stone corners and bearings, and new bearings in sections 22, 23, 26, 27, Township 142 N, Range 31 W, 5th P. M. Cass Co. Minn. according to the survey made by John W. Curo, County Surveyor of Cass County, Minnesota, assisted by Harold J. Curo and others as follows:

At the corner to sections 22, 23, 26, 27, T 142, R 31, we find a 2 $\frac{1}{4}$ X 48 inch, capped, galvanized iron pipe, previously established by me to mark the true corner, and set from the old original U. S. bearing tree when said trees were all standing, plainly marked according to the original U. S. field notes.

Today we find another 2 inch iron pipe, length not known, and set up against and at the base of said tree corner, this second iron was set by the U. S. surveyors in their survey of A. D. 1917.

To hold and record the true corner as set by me and to save this corner from being washed or graded out, in a north and south road which may at anytime be re-graded with no thought as to the destruction or loss of this corner, we take new bearings and ties in the four surrounding sections as follows; and run,

In section 23, T 142 N, R 31; N. 50° 18' E 63.35 feet to a new spot at the base of a 5 inch red oak tree; then check West and South to the corner, place of beginning; thence

In section 22, T 142 N, R 31; we run; N 44° 40' W, 57.70 feet to a cross in section 22, cut in the top of a big stone; this stone is 72 inches long East and West, and 48 inches wide North and South, and bulges 3 feet up; sets in an open field of grass and hay, and is very permanent. We then check our chain east and south, as is our custom, to the section corner, the place of beginning; thence we run;

In section 27, T 142, R 31; S 39° 55' W 28.80 feet to a new spot we make at the base of a 4 inch red oak tree; then check E and N to corner. then we run;

In section 26, T 142, R 31; S 87° 10' E 52.90 feet to a new spot we make at the base of an 8 inch red oak tree; then check N and W. to section corner, all as shown by the plat herewith, said plat being a part of these notes.

From this corner, the NE corner post of an old fence sets 1.50 ft west. the old fence seems to run S 82° West. The center of the now traveled road is 33 ft east. we use for our meridian the center of the road on the section line about 100 rods south. the Magnetic Variation of the transit needle shows minus 5 $\frac{1}{2}$ degrees or 5 $\frac{1}{2}$ degrees West where other section lines show the Variation East. Surveyed May 28th 1939

Certificate

Office of the County Surveyor, Cass Co., Minn.
State of Minnesota
County of Cass.

I hereby certify that the annexed plat and field notes of the above survey are correct.

Recorded in my office this 4th day of June 1940

John W. Curo
County Surveyor

Sections 6 and 7, T137, R9, 29.

Sections 1 and 12, T137, R9, 30.

Notes.

Field notes of the survey in Sections 6 and 7, Township 137 N, Range 29 W, and Sections 1 and 12, Township 137 N, Range 30 West, 5th P. M. Cass County, Minnesota, as made by John W. Curo, County Surveyor of said county, are as follows; Wilfred Miller, assistant.

At the corner common to the above four sections, situated on the Range line, we find a galvanized iron monument, 2 1/2 by 4 1/8 inches in size, having a 3 inch cap, set on the North shore of Pine River; this corner was previously established by me, set from old U. S. bearing trees, and is correct, except that has been bent over and nearly knocked out and to save it from being lost we straighten it in its original position, drive it tighter in the ground and take new bearings to trees and set iron witness monuments as follows.

From this true section corner we run:

In Section 6, T. 137, Rg 29; N 22° 45' E 129.70 feet to a new spot at the base of a 16 inch Norway pine tree, then check West and South to the corner; thence we run;

In Section 12, T. 137, Rg 30; South 85° W 40.00 ft. where we set a 2 1/4 by 1 1/2 inch iron pipe as a witness bearing, 14 ft North of water edge of Pine River; then check N and E to corner, thence

In Section 1, T. 137, Rg 30; N 69° 37' W 128.90 ft. to a new spot at the base of a 15 inch Norway pine tree; then check South and East as shown by the annexed plat, to said corner, thence we run;

In Section 7, T. 137, Rg 29 we run South 85 degrees East 40.00 ft where we place a 2 x 2 1/4 inch iron pipe as a witness bearing for said section 7, set 3 ft. North of water, then check N and West to place of beginning.

Courses turned from the Range line which is used as the true Meridian in this survey Magnetic Variation reads 6° 35' E.

Run South between Sections 7 and 12; at 10 feet enter left bank on North shore of Pine River which runs East. Set hub south, over river.

All courses carefully taken, chained with steel tape and plumb-bob, with extreme accuracy. Surveyed November 13th 1939.

Certificate

Office of County Surveyor, Cass Co., Minn.
State of Minnesota.

County of Cass Ss.

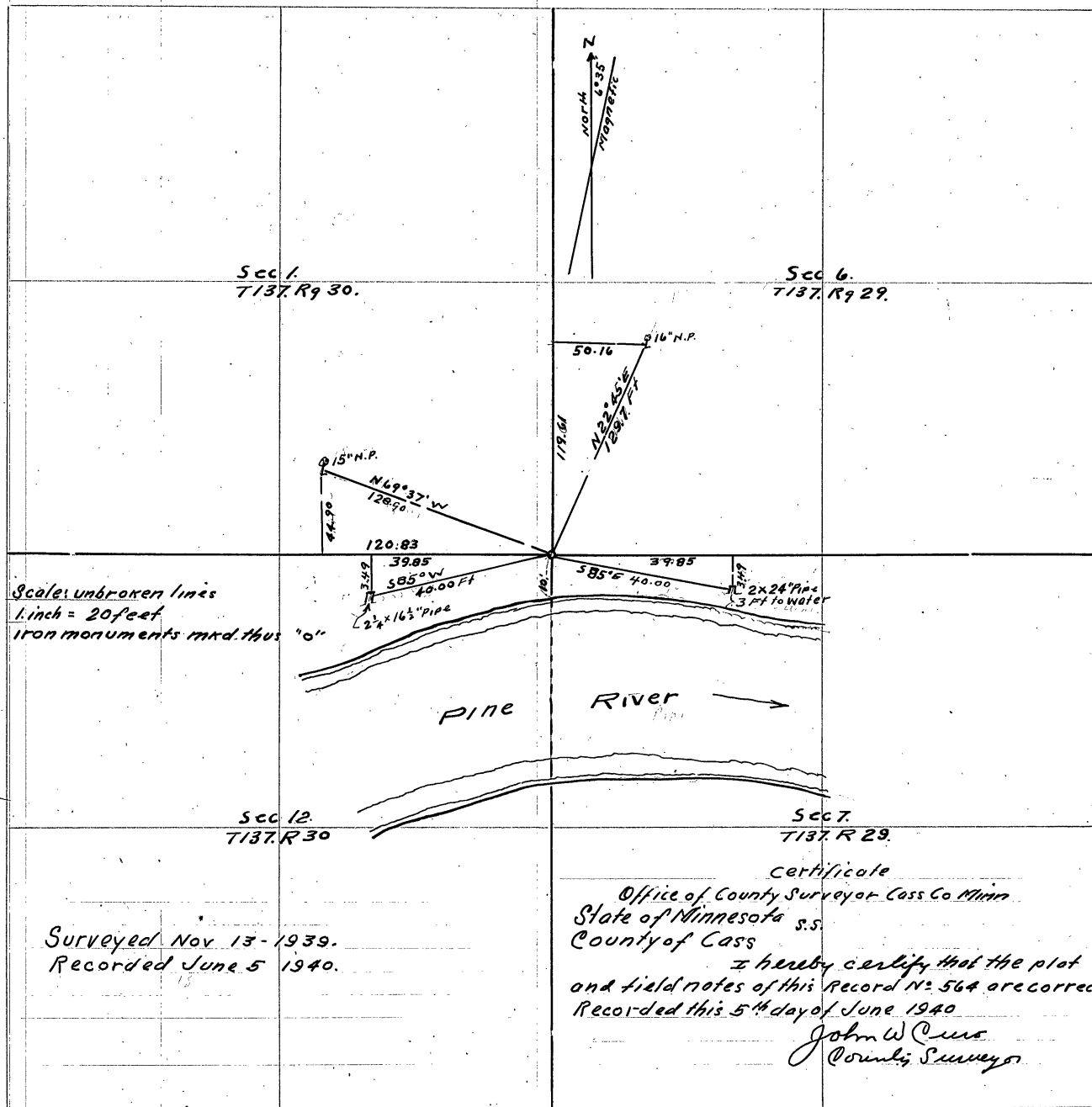
I hereby certify that the annexed plat and field notes of the above survey are correct.

Recorded in my office this 5th day of June A.D. 1940

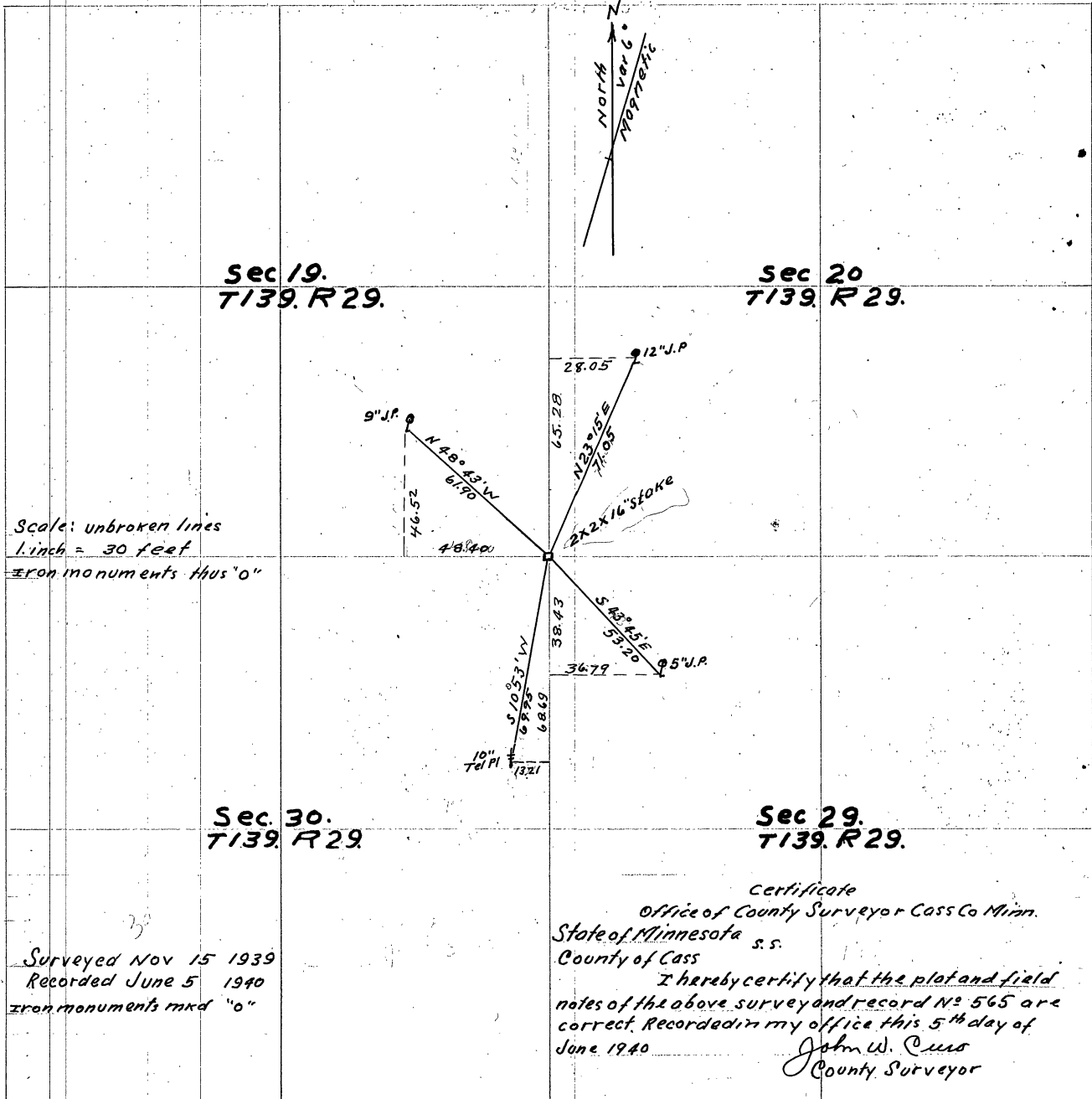
John W. Curo
County Surveyor

Sections 6 and 7, T137, R9 29.
Sections 1 and 12, T137, R9 30.

Plat



Sections 19, 20, 29, 30, T139N R29W 5 P.M.



Sections 19, 20, 29, 30. T139^N R29^W 5 P.M.

NOTES

Field notes of the survey and establishment of new bearing trees in sections 19, 20, 29 and 30, Township 139 N, Range 29 W, of the 5th P.M. Cass County, Minnesota as surveyed by John W. Curo, County Surveyor of said county are as follows:

At the corner to said sections 19, 20, 29 and 30, T. 139, R. 29, U. S. field notes call for a post and the following bearing trees:

- White Pine 24, N 73° E 22 links (14.25 ft.) White pine 16, N 14° W 48 links (31.68 ft.)
- Norway Pine 15, S 46° W 81 links (53.46 ft.) Yellow pine 20, S 48° E 59 links (38.94 ft.)

Today, at this corner we find the old markings nearly obliterated, but my field book shows that on November 22nd 1911, John W. Curo, County Surveyor of Cass County, Minnesota, with Mike Smith, his assistant, found the stumps of all four U. S. bearing trees, plainly marked from which we set a 2 by 48 inch, capped galvanized iron monument for the true corner, with new bearings as follows:

Jack Pine 6, N 14° 41' E Jack pine 7, S 34° 16' E, — to task leader "Note, the distances in not given."

Today we find that the construction of a graded road running North and South has dragged out the iron and most of the old bearings.

Everything wiped out except one old U. S. bearing tree stump SE from which we set a 2x2x16 inch white stake for the true corner, and take new bearings as follows: From the true section corner just set we run;

In Section 20, T. 139, R. 29 N 23° 15' E 71.05 feet to a spot at base of 12 inch jack pine tree, a 20 D spike driven over an iron washer in spot, then check W and S to corner.

In Section 19, T. 139, R. 29, we run; N 48° 43' W 61.90 feet to spot at base of 9 inch jack pine tree. 20 D spike over an iron washer in spot; thence South and East as a check, to place of beginning, thence

In Section 30, T. 139, R. 29, we run; S 10° 53' W 69.95 feet to a 20 D spike driven thro' an iron washer in spot at base of a 10 inch telephone pole; then check E and N to place of beginning, thence.

In Section 29, T. 139, R. 29, we run; S 43° 45' E 53.20 feet to a 20 D spike driven thro' an iron washer in a new spot at base of a 5 inch jack pine tree, then as a customary check we run West and North to place of beginning as shown by the annexed plat.

From this corner the SW corner post of a fence, bears N 36° 40' E 23.6 feet; the NW corner post of fence, 6" post, bears S 73° 27' W 15.05 feet. A 4 inch birch bears S 46° 04' E 58.20 ft. Courses turned from true line North, Transit needle reads 6° E

Stumps of old U. S. bearing tree bears S 48° E 38.94 ft.

Surveyed, checked and found correct by John W. Curo, assisted by Reed Curo, Nov. 15, 1939

Certificate

Office of County Surveyor, Cass Co., Minn.
State of Minnesota.
County of Cass.

I hereby certify that the above survey and the annexed plat are correct.
Recorded in my office this 5th day of June 1940

John W. Curo
County Surveyor

Record No 566.

Sections	13, 14, 23, 24, 36	T 139 N	R 31 W
Section	1	T 138 N	R 31 W
Section	6	T 138 N	R 30 W
Section	31	T 139 N	R 30 W

Field notes of the survey made by John W. Curo, County Surveyor, Cass County, Minnesota, Assisted by Reed Curo and others in Sections 13, 14, 23, 24 and 36, Townships 139 N, Range 31 W, and in Sections 1, T. 138 N, Range 31 W, and in Sections 6, T. 138 N, Range 30 W, and in Section 31, T. 139 N, Range 30 W, All in Cass County, Minnesota are as follows;

As I have previously run true lines and established true corners in the above named Sections and as those lines and corners are becoming obliterated or lost we retrace my old lines West between Sections 13 and 24, and 14 and 23, T. 139, R. 31, and

At the corner to Sections 13, 14, 23, 24, T. 139, R. 31, where U. S. notes call for a post and the following bearing trees;

White Pine $30^{\circ} S 42^{\circ} 30' W$, 112 links (73.92 ft.) White pine $24^{\circ} S 57^{\circ} 30' E$ 48 links (31.68 ft.)

White Pine $6^{\circ} N 20^{\circ} 30' W$, 92 links (60.72 ft.) White pine $20^{\circ} N 27^{\circ} 30' E$ 120 links (79.20 ft.)

When I was here years ago, all four trees stood plainly marked and a few years later, Only the stumps remained, So day we find only two of the stumps being the S.W and S.E. stump of the old bearing trees from which I set 2 by 3 1/2 inch iron pipe, well driven in the ground and take new bearings trees in all four surrounding sections as follows. From this true corner we run;

In Section 13, T. 139 N, R. 31 W; $N 76^{\circ} 20' E$ 30.75 ft. to a 10 inch poplar tree, then south and west as a check to the corner; thence

In Section 14, T. 139 N, R. 31 W; we run; $N 27^{\circ} 25' W$, 77.90 ft. to a birch spruce tree, then East and South as check to the corner; thence

In Section 23, T. 139 N, R. 31 W; we run; $S 48^{\circ} 50' W$ 77.54 ft. to a 10 inch white pine tree; then North and East as a check, to the corner, thence

In Section 24, T. 139 N, R. 31 W, we run; $S 64^{\circ} 20' E$ 34.52 ft. to a 12 inch Norway pine tree, then North and West, as a check to the corner, the place of beginning, All trees spotted at base.

Magnetic Variation reads $7^{\circ} E$.

At the Township Corner between T. 138 and 139 N, Ranges 30 and 31 W, established by me years ago and set from the old U. S. bearings we cannot at first locate the same, but by running E and W and N and S. lines we check in and find the 2 by 48 inch capped galvanized iron Twp Corner from which we run;

In Section 31, T. 139 N, R. 30 W; $N 28^{\circ} E$ 37.35 ft. to an 11 inch Jack pine tree then West and South as a check to the corner; thence

In Section 36, T. 139 N, R. 31 W we run; $N 35^{\circ} 50' W$ 39.40 ft. to a 12 inch oak tree; then East and South as a check to the corner; thence

In Section 1, T. 138 N, R. 31 W, we run; $S 63^{\circ} 05' W$, 27.65 ft. to a 7 inch oak tree, then North and East as a check to the corner; thence

In Section 6, T. 138 N, R. 30 W, we run; $S 9^{\circ} 40' E$ 44.90 ft. to a 14 inch oak tree then West and North as a check to the Twp. corner, the place of beginning. All trees marked with a new spot at the base. all surveyed as shown by the annexed plat. Surveyed Jan. 10, 1939.

Certificate

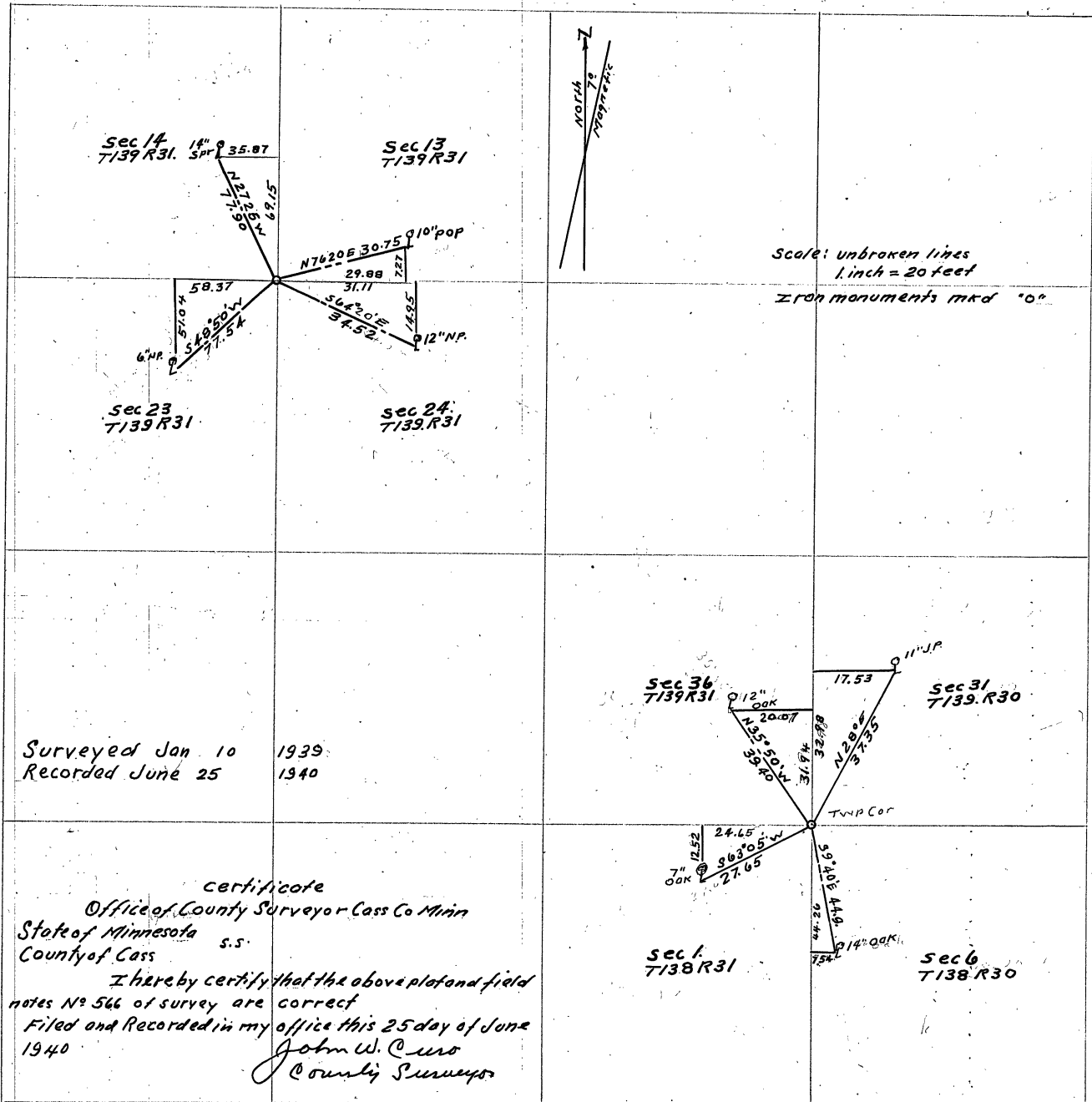
Office of the County Surveyor, Cass Co., Minn.
State of Minnesota
County of Cass

I hereby certify that the above survey and annexed plat are correct. Recorded in my office this 25th day of June 1940 John W. Curo, County Surveyor

D
Record No 566.

Sections 13, 14, 23, 24, 36, T139N R31W
 Section 1. T138N R31W
 Section 6. T138N R30W
 Section 31. T139N R30W
 5th P.M.

139-30
 139-31

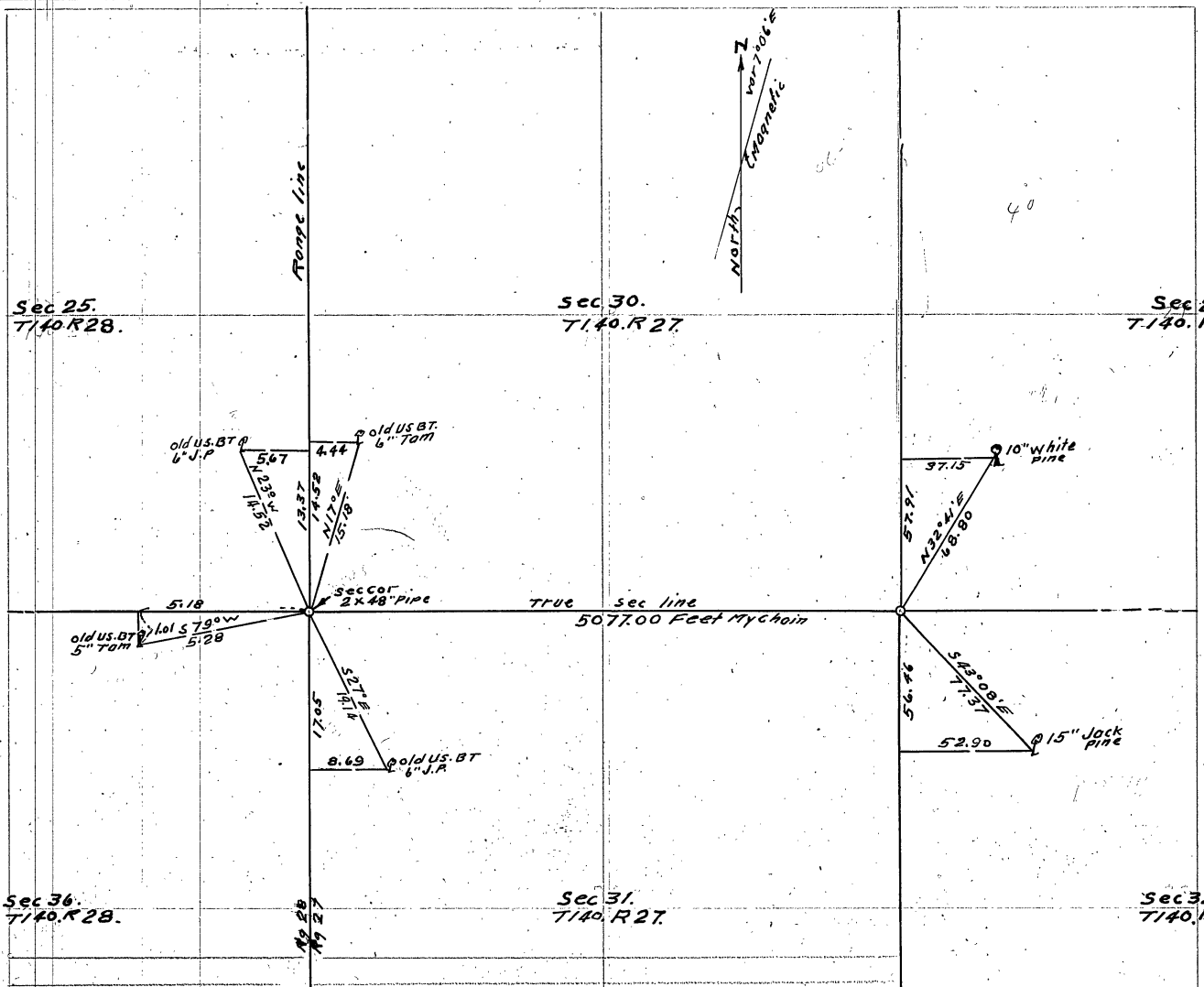


Record No 567

Sections 29, 30, 31, 32 T140N R27W and
Sections 25, 36. T140N R28W S.P.M.

146-27
148-28

Plot



Surveyed Sept 6 - 1939
Recorded June 26, 1940

Scale: unbroken lines
link to 40 feet
iron monuments thus "0"

Certificate
Office of County Surveyor Cass Co Minn
State of Minnesota ss
County of Cass

I hereby certify that the above plot and
Field Notes No 567 are correct. Recorded in my
office this 26 day of June 1940 John W. Cuss
County Surveyor

Sections 29, 30, 31 and 32, T140^N R9 27^W and
Sections 25 and 36, T140^N R9 28^W 5th P.M.

Notes.

Field notes of the survey made by John W. Curo, Cass Co. Minnesota, assisted by Reed Curo and others, in the following sections 29-30-31-32 T140 R9 27 and Sections 25-36 T140 R9 28.

At the corner to sections 25, 30, 31, and 36, on the Range line of Township 140^N, between Ranges 27 and 28 West, U.S. Notes call for a post and the following bearing trees;

Tamarack 6" N 17° E 2.3 links (equal 15.18 ft.) Jack Pine 6" N 23° W 2.2 links (14.52 ft.)
Tamarack 5" S 79° W 8 links (5.28 ft.) Jack Pine 6" S 27° E 2.9 links (19.14 ft.)

Years ago I set this corner when all the U.S. bearing trees stood plainly marked, but today only the roots of the old trees remain. Someone has pulled up my old corner and set another corner which is not in the right place, we locate the true point for the corner where we drive a 2 by 48 inch iron pipe over which we set our transit and as a check, run;

In Section 30, T. 140^N, R. 27^W; N 17° E 15.18 ft. to remains of old U.S. tree, then check west and south to corner; thence

In Section 25, T. 140^N, R. 28^W, we run; N 23° W 14.52 ft to stump of old 6 inch jack pine tree, then east and south as a check to the corner; thence

In Section 36, T. 140^N, R. 27^W, we run S 79° W 5.28 ft. to a stump of old U.S. 5 inch tamarack tree, then N and east as a check to the corner. thence

In Section 31, T. 140^N, R. 27^W, we run; S 27° E 19.14 ft. to the remains of the old 6 inch jack pine tree, then west and north as a check to the section corner, the place of beginning, from which we chain east between sections 30 and 31, T. 140, R. 27, a distance of 5077.00 ft. to the corner of sections 29, 30, 31 and 32, T. 140^N, R. 27^W, where U.S. notes call for a post and the following witness trees

Norway pine 20" S 13° W 3.2 links (21.12 ft.) Norway pine 20" N 50° 30' W 3.9 links (25.74 ft.)
White pine 5" N 35° 35' E 1.2 links (7.92 ft.) White pine 10" S 8° 10' E 2.4 links (15.85 ft.)

My old field notes of a previous survey, say that on June 9th 1933 with Ben Robideau, Ralph Robideau and Austin Kline we found the stumps of all four trees, plainly marked from which we set a 2X36 inch pipe in a mound of dirt, in a circle 4½ ft. across and 2 ft. high, set by flat chain from the face of each stump after which the stumps stand perfect for course and distance from the corner.

Today we find the mound and old 2X36 inch pipe in place for the true corner, over which we set the transit and take new bearings as follows.

In Section 29, T. 140, R. 27 we run; N 32° 41' E 68.80 ft. to a spot at the base of a 10 inch white pine tree, then west and south as a check to the corner, thence

In Section 32, T. 140^N, R. 27^W we run; S 43° 08' E 77.37 ft. to a spot at the base of a 15 inch jack pine tree; west and north as a check, to the corner. Magnetic variation reads 7° 06' E

Surveyed Sept 6 - 1939

Certificate.

Office of County Surveyor, Cass Co., Minn.

State of Minnesota

County of Cass.

I hereby certify that the above field notes and annexed plat are correct. Recorded in my office this 26th day of June 1940

John W. Curo
County Surveyor Cass Co. Minn.

D
568
SURVEY RECORD NO 568

Sections 19 and 30, T138N R9 30W and
Sections 24 and 25 T138N R9 31W.

Notes.

Field notes of the survey made by John W. Curo assisted by Harold J. Curo and others in the following sections:

At the corner to Sections 19, 24, 25 and 30 between Townships 138 N. Ranges 30 and 31 W, we find an iron monument, being a $2\frac{1}{2} \times 48$ inches in length set nearly its full length in the ground but nearly pulled out by what appears to be the various road graders and is apt to be lost.

When I set this corner years ago, it was accurately located from the original U.S. bearing trees and was capped on top. Today we find that the cap has been torn off and that the lip of the iron leans $\frac{1}{2}$ foot N.E. We do not have tools to dig it out and straighten it, neither have we time to do it and in order to save the position of this corner we take new bearing trees, and from the top of this iron we run:

IN SEC 19, T138N R30W: N $45^{\circ} 38'$ E 72.50 ft to a new spot at the base of an 8 inch Jack pine tree; then check South and West to the point of beginning, thence

IN SEC 24, T138N R31W, we run: N $63^{\circ} 56'$ W 71.00 feet to a new spot at the base of a 4 inch Jack Pine tree; then run South and East to check to point of beginning; then

IN Section 25, T138N R9 31W, we run: S $44^{\circ} 30'$ W, 45.75 ft to a $2\frac{1}{2} \times 18$ inch pipe which we place at the NE side of a 14 inch fence post at the NE corner of a fence (there are no trees near to tie to in this section) then we chain East and North as a check, to the place of beginning, thence

IN Section 30 T138N R9 30W we run: S $23^{\circ} 58'$ E 75.10 ft to a new spot at the base of a 5 inch Norway pine tree; then chain West and North as a check, to the point of beginning.

Note: These ties are to the top of iron which leans NE $\frac{1}{2}$ foot out of line. This is the best we can do at this time.

Magnetic Variation reads 5 degrees east.

Surveyed: July 1-1940

certificate.

Office of the County Surveyor, Cass Co., Minn.

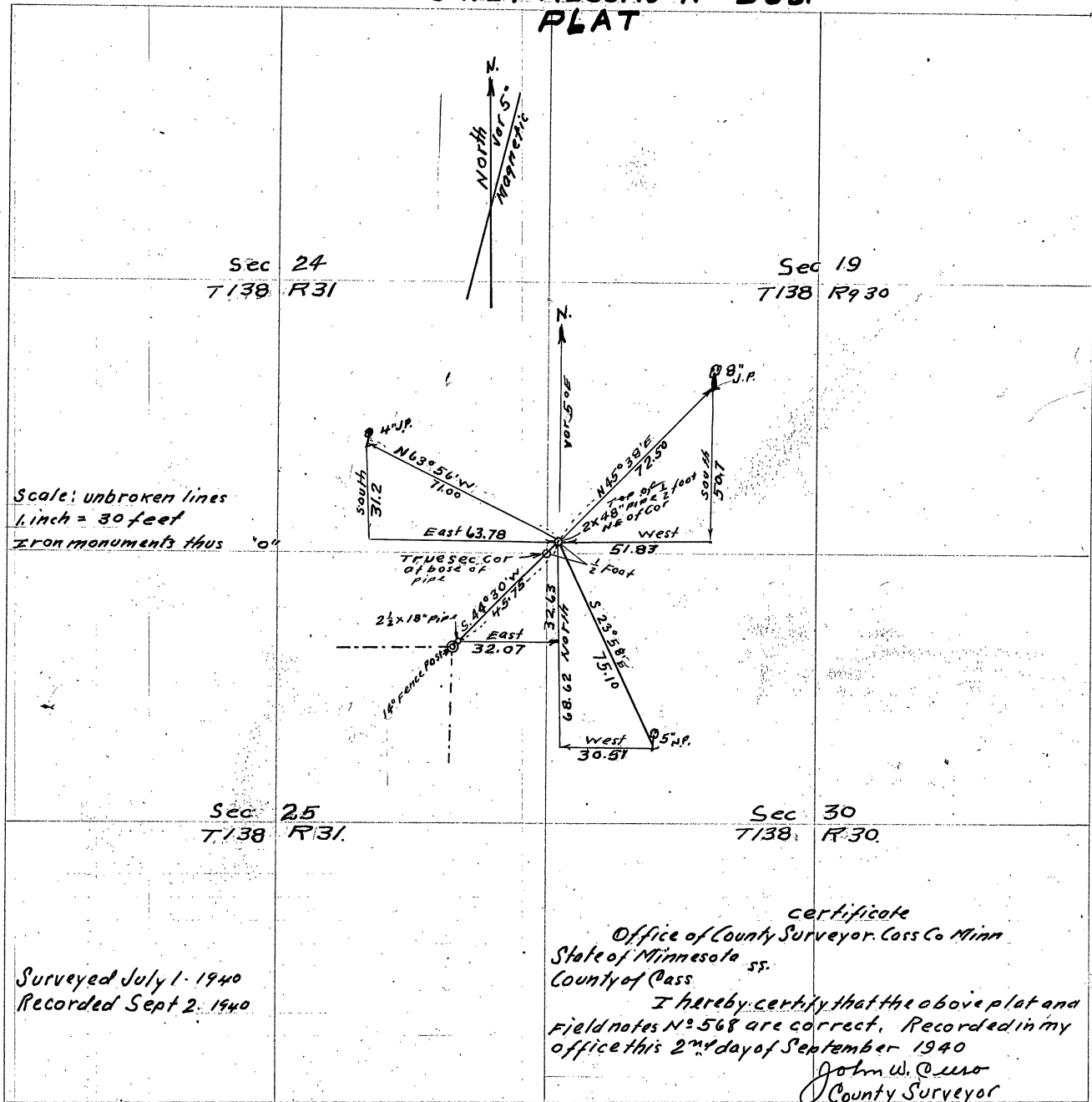
State of Minnesota S.S.

County of Cass I, John W. Curo hereby certify that I am the County Surveyor of said county and that I personally made this survey, and that the above field notes and annexed plat are correct as surveyed by me. Recorded in my office this 23rd day of September 1940.

John W. Curo
County Surveyor.

Sections 19, 30, T138 R 30
Sections 24, 25 T138 R 31

SURVEY RECORD NO 568. PLAT



Scale: unbroken lines
1 inch = 30 feet
Iron monuments thus "0"

Sec 24
T138 R31

Sec 25
T138 R31

Surveyed July 1, 1940
Recorded Sept 2, 1940

Sec 19
T138 R930

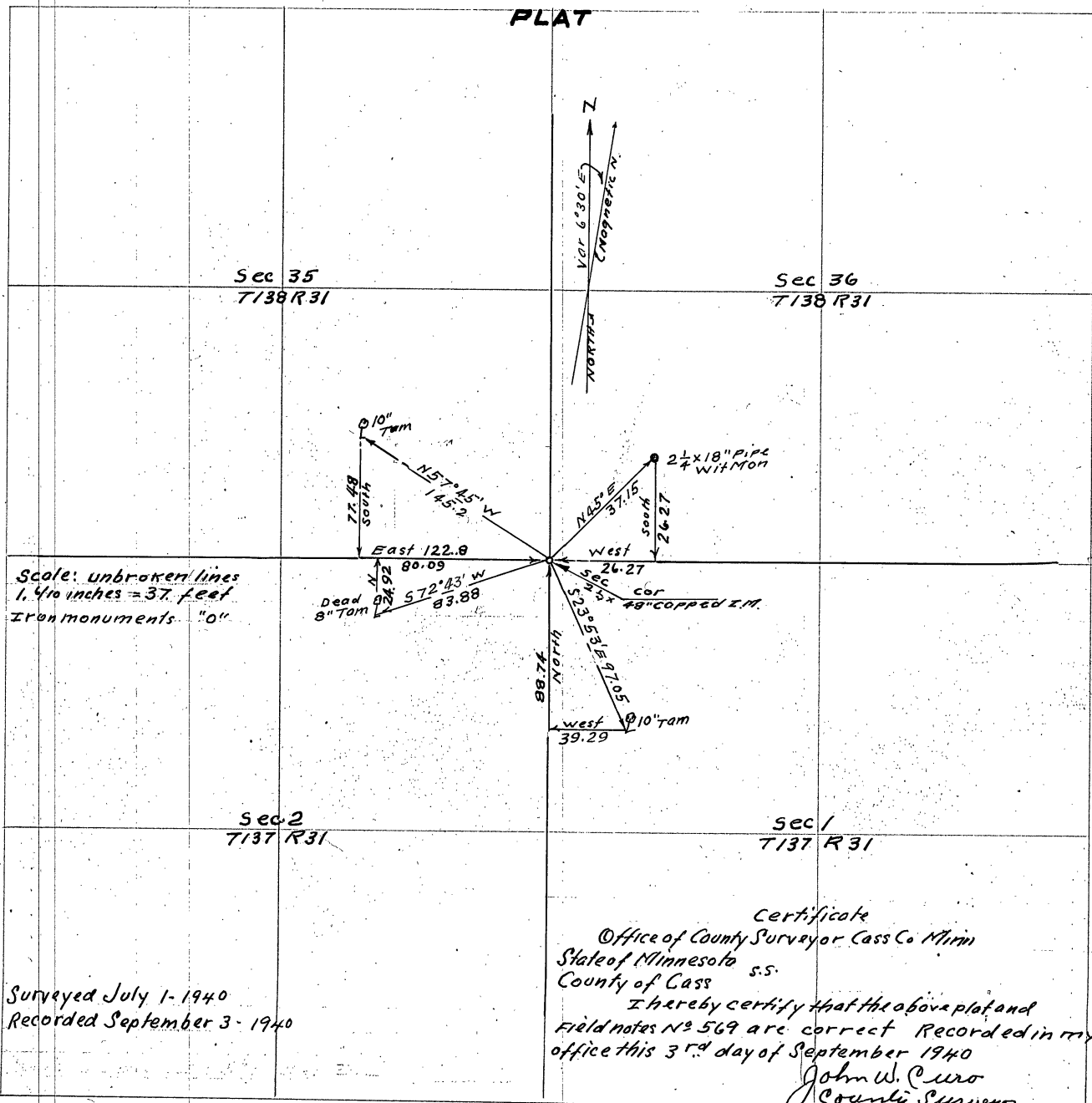
Sec 30
T138 R30

Certificate
Office of County Surveyor, Cass Co Minn
State of Minnesota ss.
County of Cass
I hereby certify that the above plat and
field notes N^o 568 are correct. Recorded in my
office this 2nd day of September 1940
John W. Curo
County Surveyor

Sections 1 and 2 T 137 R 9 31.
Sections 35 and 36 T 138 R 9 31.

569
137-31
138-31

SURVEY RECORD N° 569 PLAT



D.
SURVEY RECORD NO 569.

NOTES

Sections 1 and 2. T137 R9 31
" 35 and 36 T138 " 31

Field Notes of the survey made by John W. Ours, County Surveyor
Pass County, Minnesota, assisted by Harold J. Ours and others
in the following sections

At the corner to Sections 1-2-35-36 between Townships 137
and 138 N. Range 31 West, we find an iron monument $2\frac{1}{2} \times 48$ inches in
size, capped on top, previously established by me and set from the
original U.S. bearing lines to mark the true corner. This corner lies in the
south edge of an East and West graded road and as they plan to re-grade
this road they may destroy or cover this corner as they have destroyed
the Township Corner a mile east. The Township Corner has been pulled up
and out and now lies in the ditch and as again, this corner to Sections
1, 2, 35 and 36 may be lost I take new bearings to preserve and perpetuate its
original position as follows From the true corner to said sections 1, 2, 35,
and 36. I run:

IN Section 36 T138 R9 31: $N45^{\circ}E$ 37.15 feet where I place a $2\frac{1}{2} \times 18$ inch
pipe as a witness Monument; then chain South and West as a check to
the point of beginning: thence

IN Section 35. T138 R31 I run $N57^{\circ}45'W$ 145.2 feet to a new spot at
the base of an 8 inch Tamarack tree; then check South and East to the
point of beginning: thence

IN Section 2, T137 R9 31. I run: South $72^{\circ}43'W$, 83.88 feet to a new
spot at the base of an 8 inch dead tamarack tree; then chain North and East
as a check, to the place of beginning: thence

IN Section 1, T137 R9 31. I run: $S^{\circ}28^{\circ}53'E$ 97.05 Feet to a new
spot at the base of a 10 inch tamarack tree; then check West and North
to the Section Corner, the place of beginning.

Magnetic Variation reads $6^{\circ}30'E$

Surveyed July 1-1940

certificate

State of Minnesota s.s.
County of Pass

I, John W. Ours, hereby certify that I am the County
Surveyor of said Pass Co. Minn. and that I personally made this survey
and that the above field notes and annexed plat are correct.

Recorded in my office this 3rd day of September 1940.

John W. Ours
County Surveyor

Survey Record No 570

Field Notes

Sections 3-4 T140 R31

" 33-34 141 31

Govt Lots 1-2-3 Sec 3 T140 R31

" Lot 3 " 34 T141 R31 Tenth Standard Parallel

All US corners along this line are established from original us bearing trees and the entire line is a straight east and west line its entire length
The plat herewith annexed shows all measurements and courses

Surveyed October 19th 1940 To November 20th 1940

Recorded November 21-1940

Certificate of Survey

Office of County Surveyor Cass County, Minnesota

State of Minnesota

County of Cass

I hereby certify that the annexed plat and field notes of Record No 570
are correct Recorded in my office this 21 day of November 1940

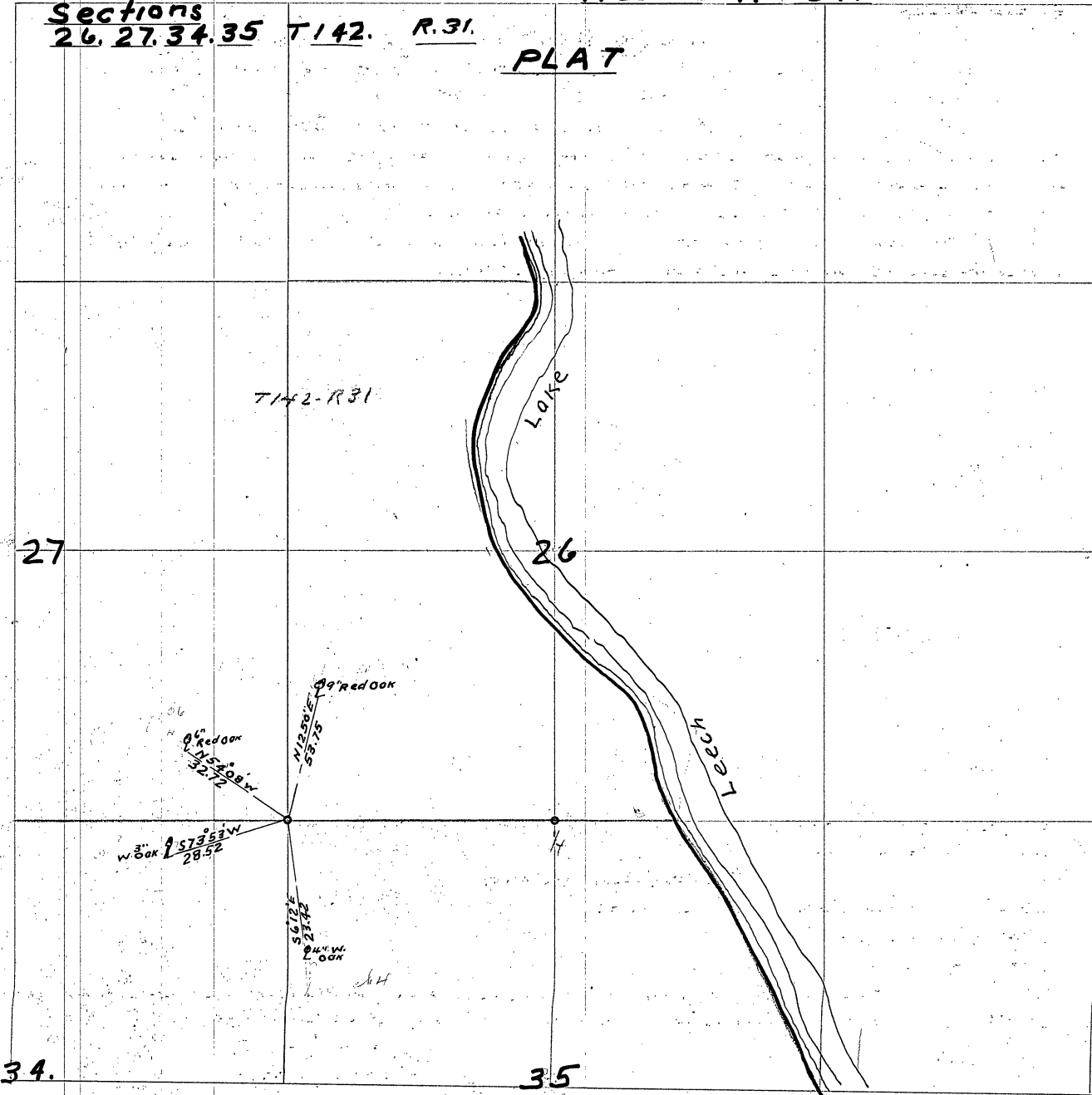
John W. Cus
County Surveyor

571
142-31

Record No 571

Sections
26, 27, 34, 35 T142. R.31.

PLAT



Record No 571

Sections 26.27.34.35. T142. R31.

Field Notes

Field notes of the survey made by John W. Curo, County Surveyor Cass County, Minnesota in Sections 26, 27, 34, 35 Township 142ⁿ. Range 31^w Cass Co Minn are as follows:

From the $\frac{1}{4}$ corner between Sections 26 and 35 I retrace my old transit line west between said sections to the corner to Sections 26-27, 34, 35 T142, R931 where I find an iron monument which is the true section corner, established from old U.S. bearing trees and as this corner is opt 1/2 lost I take new ties and bearings as follows

From this true section corner I run in the above sections as shown by the plat herewith annexed which constitutes a part of these notes.

Surveyed Nov 22 1940

Recorded Nov 23 1940

Certificate of Survey.

Office of County Surveyor, Cass Co. Minn

State of Minnesota

County of Cass.

I hereby certify that the above field notes and annexed plat of Record No 571 are correct. Recorded in my office this 23rd day of November A.D. 1940.

John W. Curo
County Surveyor

No 572

Sec 6 T137 R31
 Sec 31 T138 R31
 Secs 1, 2, 11, 12 T137 R32
 Secs 35, 36 T138 R32

Field Notes

Field notes of the survey made by John W. Curo, County Surveyor, Cass County, Minnesota, in Section 6 Township 137ⁿ Range 31^w and Section 31, Township 138ⁿ Range 31^w and Sections 1, 2, 11, 12, Township 137ⁿ Range 32^w and Sections 35, 36, Township 138ⁿ Range 32^w Cass County, Minnesota, are as follows:

We establish the South-west corner of Sec. 35 T138 R32, at a point at the intersection of the centerline of 4 roads running North, South, East and West at which point we drive a rail road spike for the true section corner from which we establish a true line east about two miles to the Township corner and find the distance, carefully chained with a 300 foot steel tape and plumb-bob, to be 10,598.4 feet, and on a straight line between these two points and half way between we establish the true section corner to sections 1, 2, 35, 36 on the town line between townships 137 and 138ⁿ Range 32^w where we drive an iron pipe being a 2 $\frac{1}{4}$ x 30 inch steel stake its full length in the center of the E and W graded road to mark the true section corner with bearing trees as shown by the annexed plat which is a part of these field notes

At the Township corner to Townships 137-138ⁿ Ranges 31 and 32^w we dig up an old 8x8x36 inch cement block with an old 4 inch iron pipe 5 feet long run thro the center where I placed it myself June 2nd 1911 nearly 30 years ago In this survey we find the old Township corner badly battered, broken and twisted out of line: After straightening the above into its original position we take new bearing trees in the surrounding sections as shown by the plat herewith annexed which is a part of these field notes

At the South-west corner of said Section 2, we find a 2 $\frac{1}{4}$ x 48 inch galvanized iron pipe previously established for the true sec corner and a mile east, 5309.85 feet chained, we find another iron pipe 2 $\frac{1}{4}$ x 48 inches previously established for the true corner to sections 1, 2, 11, 12, T137ⁿ R. 32^w where we establish new bearing trees in each section as shown by the annexed plat which is a part of these field notes

We run the mile of line between said Sections 1 and 2, but do not chain it

Survey made October 1st to 5th inc 1940 By John W. Curo assisted by James Reed Curo, Alva Mowan and others

Survey finished October 5th 1940

Recorded March 29th 1941

Certificate of Survey.

Office of County Surveyor, Cass County, Minnesota

State of Minnesota

County of Cass S.S. I, John W. Curo, hereby certify that the above field notes and annexed plat of Record No 572 is correct Recorded in my office this 29th day of March 1941.

John W. Curo.
 County Surveyor

D

Scale
1" = 110'

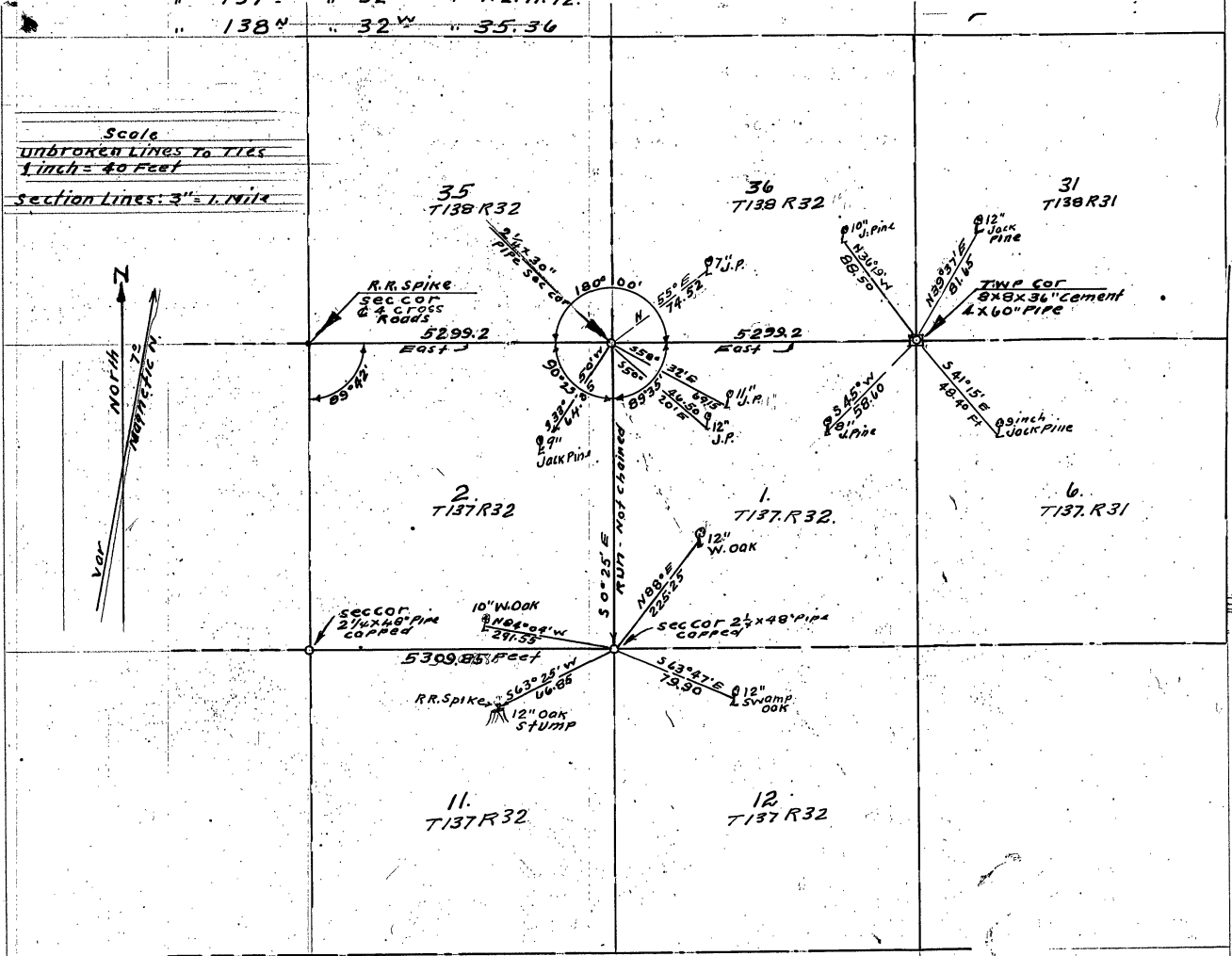
572

137-31
138-31
137-32
138-32
Circuit Map

No 572
PLAT

Township 137^N Range 31^W Section 6
" 138^N " 31^W " 31
" 137^N " 32^W " 1, 2, 11, 12
" 138^N " 32^W " 35, 36

Scale
UNBROKEN LINES TO TIES
1 inch = 40 Feet
Section Lines: 3" = 1 Mile



Surveyed October 5 1940
Recorded March 29 1941

Certificate of Survey

Office of County Surveyor, Cass County, Minnesota

State of Minnesota, S.S.
County of Cass.

Field notes of Record
of March 1941

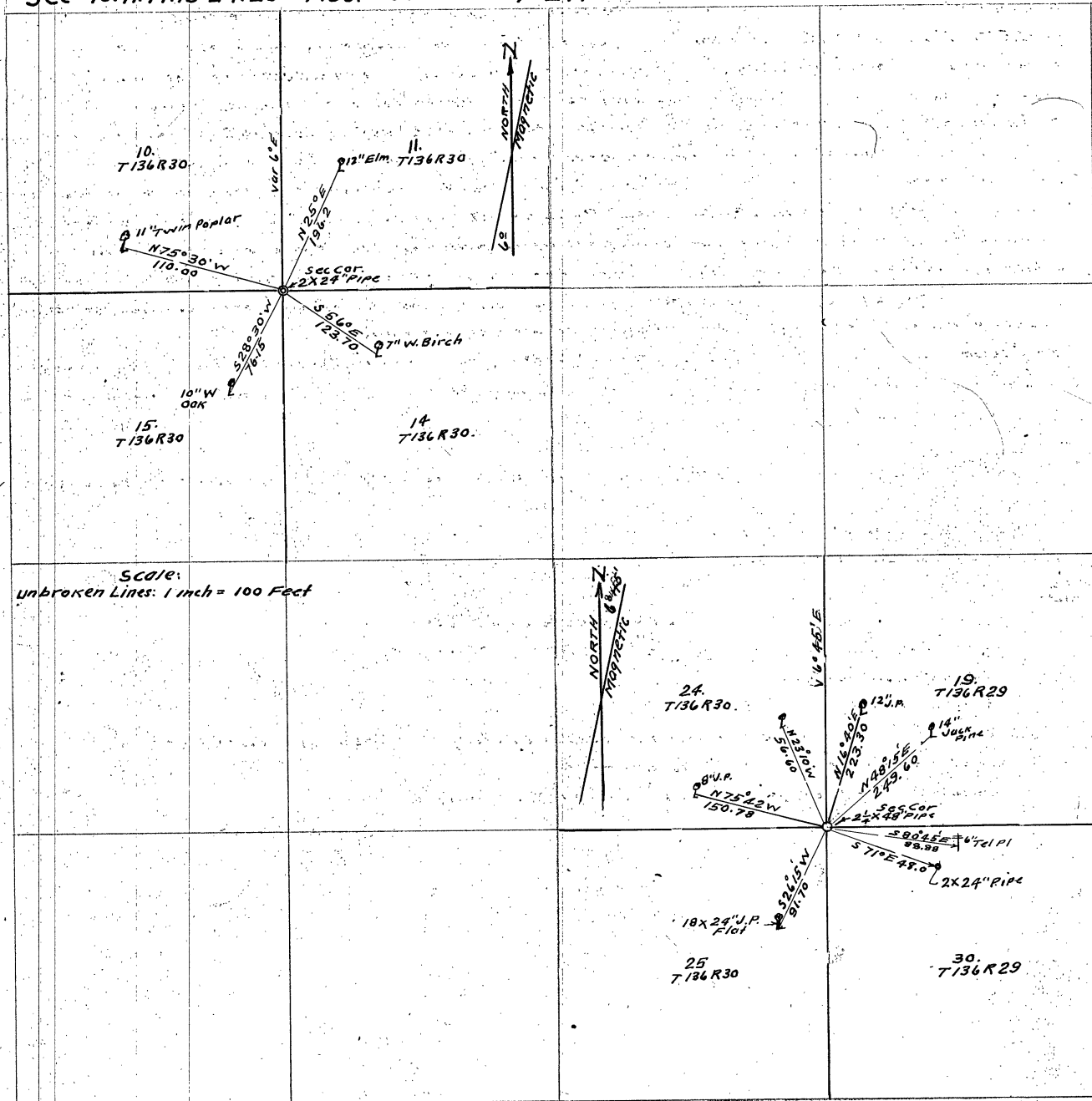
I, John W. Curo hereby certify that this plat and annexed
Recorded in my office this 29th day

John W. Curo
County Surveyor

Sec 19. 30 T136. R29

Sec 10. 11. 14. 15. 24. 25 T136. R30.

PLAT.



Scale:
Unbroken Lines: 1 inch = 100 Feet

Sections 19-30 T136^N R29^W
 Sections 10, 11, 14, 15, 24, 25 T136^N R30^W

Field Notes.

In locating lines for Bertin B. Johnson and others, we find U.S. corners lost or obliterated and are compelled to extend our survey many miles to find known corners. At the corner to Sections 19, 30, 24, and 25 T136^N between Ranges 29 and 30^W, we run lines in all surrounding Sections to locate the remains of the old original U.S. bearing trees, after which we dig up the old section corner which is a capped, galvanized iron pipe 2 $\frac{1}{4}$ x 48 inch in size. From this true corner we run:
 In Section 19, T136^N R29^W; and in Section 30 T136^N R9 29^W; Also In Section 24 T136. R9 30 and in Section 25 T136. R9 30. All lines run to new bearings as shown by the annexed plat which contains also a part of these field notes. After running miles of line in search of corners, we arrive at corner to Sections 10, 11, 14, 15, T136. R9 30 where we run lines in all surrounding sections in search of the remains of old U.S. bearing trees after which we locate the true section corner which is marked by a 2 x 48 inch pipe which has been partly pulled up, and twisted out of shape by the various road drags; we find this iron broken in two and by digging deep we find the bottom section which is 2 feet long; From this true corner we run:
 In Section 11, T136 R9 30 and in Section 10 T136 R9 30; and in Section 15 T136 R9 30 and in section 14 T136 R9 30, to new bearing trees as shown by the annexed plat which contains a part of these field notes.

survey made August 14th 1940 to October 15 1940 Assisted by Ollen Kicker, Reed Curo and others

Survey finished October 15 1940

Recorded March 31st 1941.

Certificate of Survey

Office of County Surveyor, Cass County, Minnesota

State of Minnesota.

County of Cass S.S.

I, John W. Curo, hereby certify that the above field notes and annexed plat of Record No 573 is correct

Recorded in my office this 31st day of March 1941

John W. Curo.
 County Surveyor

No 574. Cass County Minnesota

Sections 27, 28, 33, 34. T. 139^N R. 29^W 5th P.M.

Field Notes.

Field notes of a survey made for L.J. Saunders and others in Sections 27, 28, 33, 34, Township 139^N Range 29^W, Cass County, Minnesota, said survey made by John W. Curo, County Surveyor of said County, are as follows: After running miles of line we establish the true corner to above named Sections, where is placed a 2x40 inch iron pipe with new bearings and bearing trees as follows:

In Section 27, T. 139, R. 29, a 6 inch birch tree bears N 34° 29' E 94.05 Feet distant

In Section 28, T. 139, R. 29, A 12 inch Jack Pine tree bears N 52° 18' W 47.15 Feet distant

In Section 33, T. 139, R. 29, A 30 inch white pine tree bears S 17° 55' W 152.00 Feet distant

In Section 34, T. 139, R. 29, A 6 inch Jack pine tree bears S. 47° 27' E 63.30 Feet distant

All measurements taken from the true section corner, to a flat spot made of the base of each tree.

Courses turned from the true section line between section 33 and 34 which we use as a true meridian where the magnetic variation reads 5° 45' E.

In this survey we run a line in each of the above named sections as shown by the annexed plot which constitutes a part of these field notes.

Survey made April 13th 1940 By John W. Curo assisted by Reed Curo and others

Recorded March 31 1941

Certificate of Survey

Office of County Surveyor, Cass County, Minnesota:

State of Minnesota

County of Cass S.S.

I, John W. Curo, hereby certify that the above field notes and annexed plot of Survey Record No 574 is correct

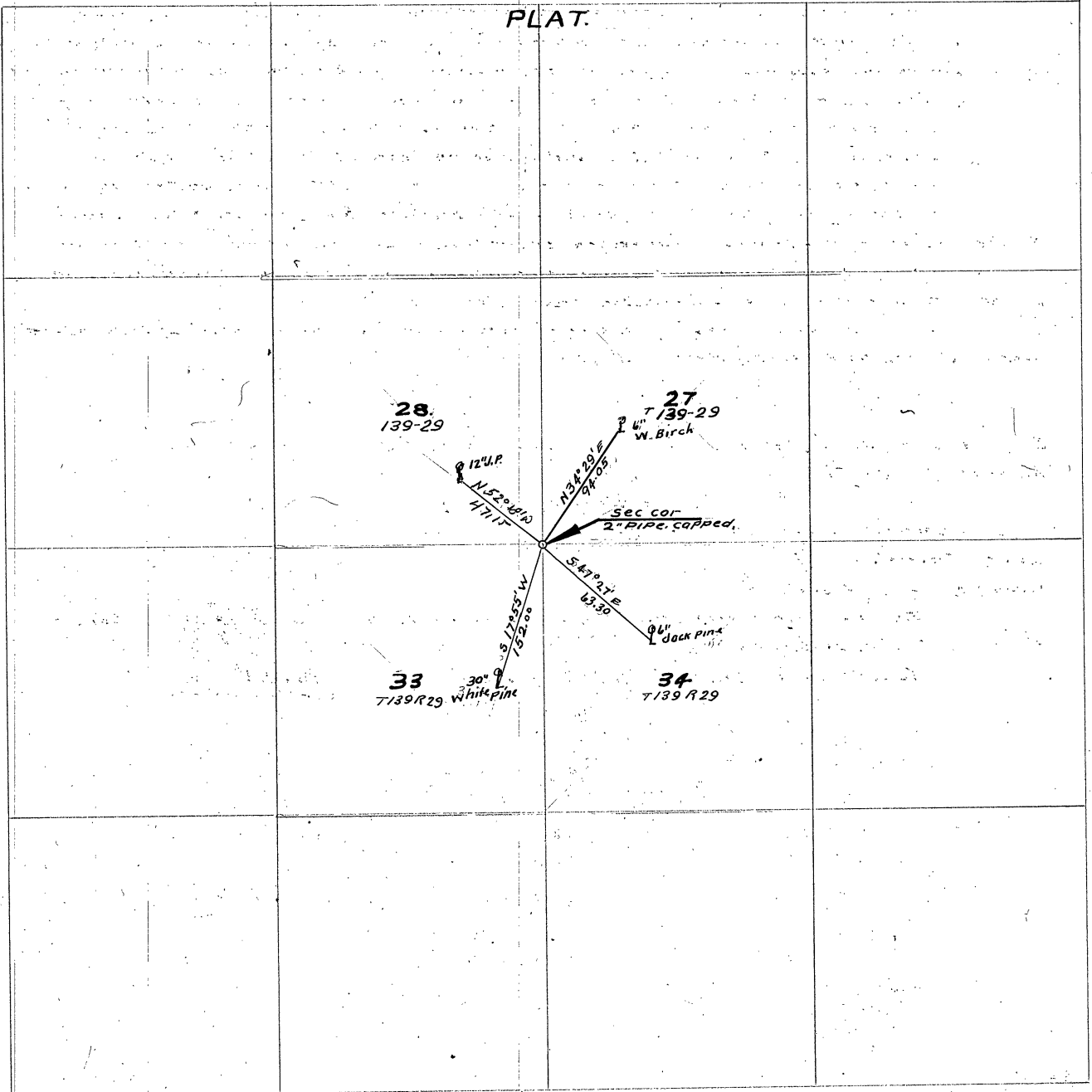
Recorded in my office this 31st day of March 1941. John W. Curo
County Surveyor

139-29

No 574.

Sections 27. 28. 33. 34. T. 139ⁿ R. 29^w 5th P.M.

PLAT.

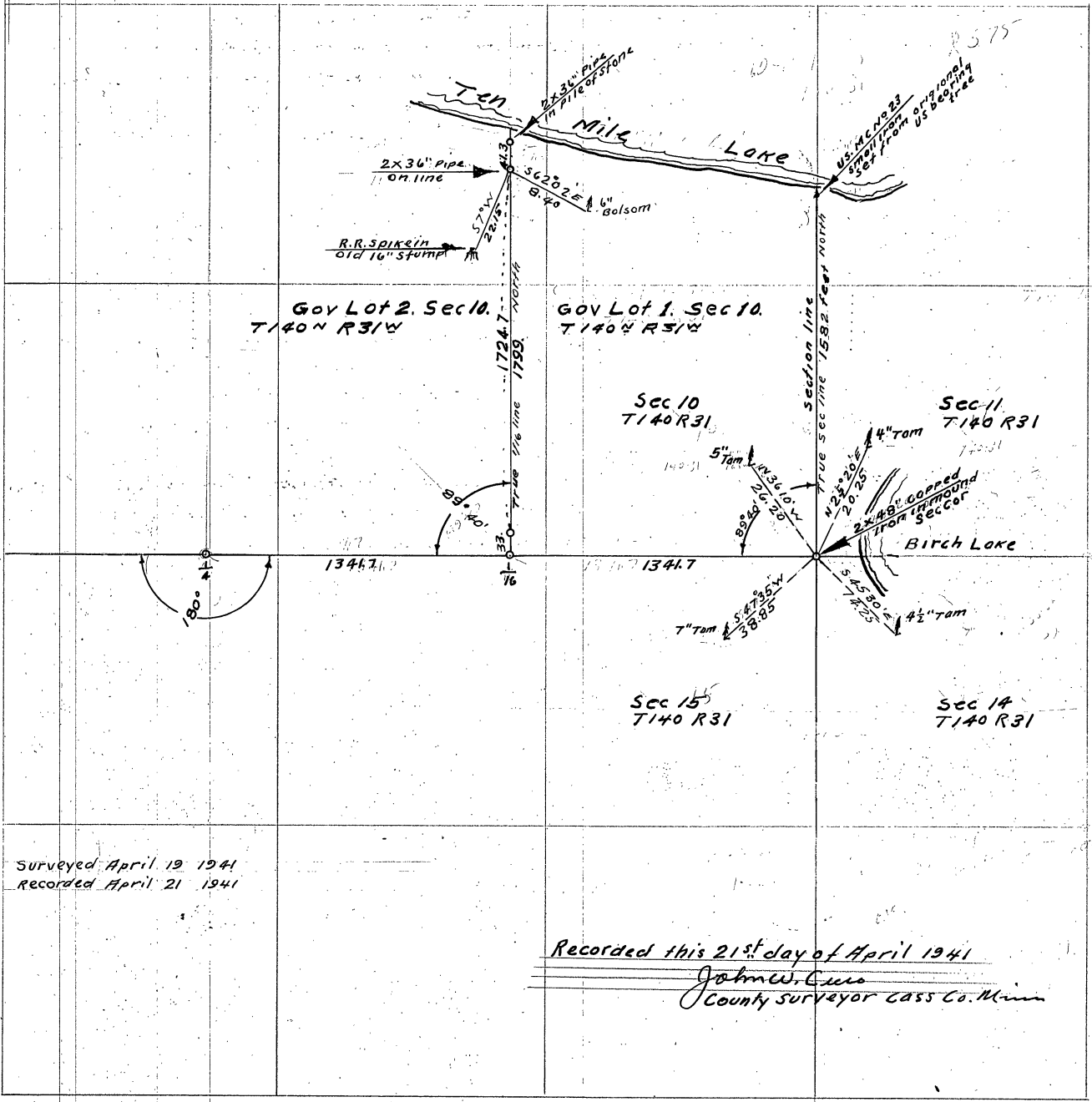


D

148-31

Sections 10-11-14-15 T.140 R.31.

Survey Record No 575



Surveyed April 19 1941
Recorded April 21 1941

Recorded this 21st day of April 1941
John W. Cuse
County Surveyor Cass Co. Minn

148-31

Sections: 10, 11, 14, 15. T. 140 R. 31

Field Notes of survey made by John W. Curo in the above named Sections as shown by the annexed plat on page 250 of this book "D" are correct. In this survey, made at the request of Florence Ogden Padgett of Hennepin County, Minnesota, owner of Gov Lot 2 Section 10, Twp 140^N R9 31^W, we first locate the true corner to Sections 10-11-14-15 T 140^N R9 31^W, said corner is marked by an iron monument set in a low mound of dirt: it is a galvanized iron pipe 2x48 inches in size, capped on top and was accurately established from the original U.S. bearing trees, on April 18th 1914 (27 years ago) by myself, John W. Curo who was then County Surveyor of this county. (Cass County, Minnesota)

To-day April 18-1941 we find this iron pipe still in place, set in a wet swamp, and as the old bearing trees are becoming obliterated, we mark new bearings as shown by the annexed plat and

from this corner, run a true transit line northerly as a random line to Ten Mile Lake and from this random line locate the U.S. Meander Corner between said Sections 10 and 11, set on the south shore of said lake: This Meander Corner was also established by the undersigned, 27 years ago and accurately established from the original U.S. bearing trees which were then plainly marked and from which we set a small iron to mark the true corner.

To-day, April 18th 1941 we find the small iron meander corner and compute the true course of the section line from our random line:

After computing the course of the side lines of said section 10, we run the line between Gov Lots 1 and 2, of said Section 10, with due parallelism to said side lines and accurately establish the same as shown by said annexed plat

Surveyed April 18-19th 1941
Recorded April 21-1941

Recorded this 21st day of April 1941
John W. Curo
County Surveyor Cass Co. Minn

Sections 2-3-4-5-9-10-11-14-15 T. 140 R. 26

Sections 32-33 T. 141 R. 26.

Field Notes of the survey made by me in the above named sections as shown by the annexed plat on page 253 of this book "D" are correct

All measurements are given in feet and decimals of a foot. Courses are turned from the adjoining section line which is a true meridian for this survey.

This plat contains a part of these field notes. Both plat and notes are correct

Survey Finished June 24th 1941

Recorded in my office this 25th day of June 1941

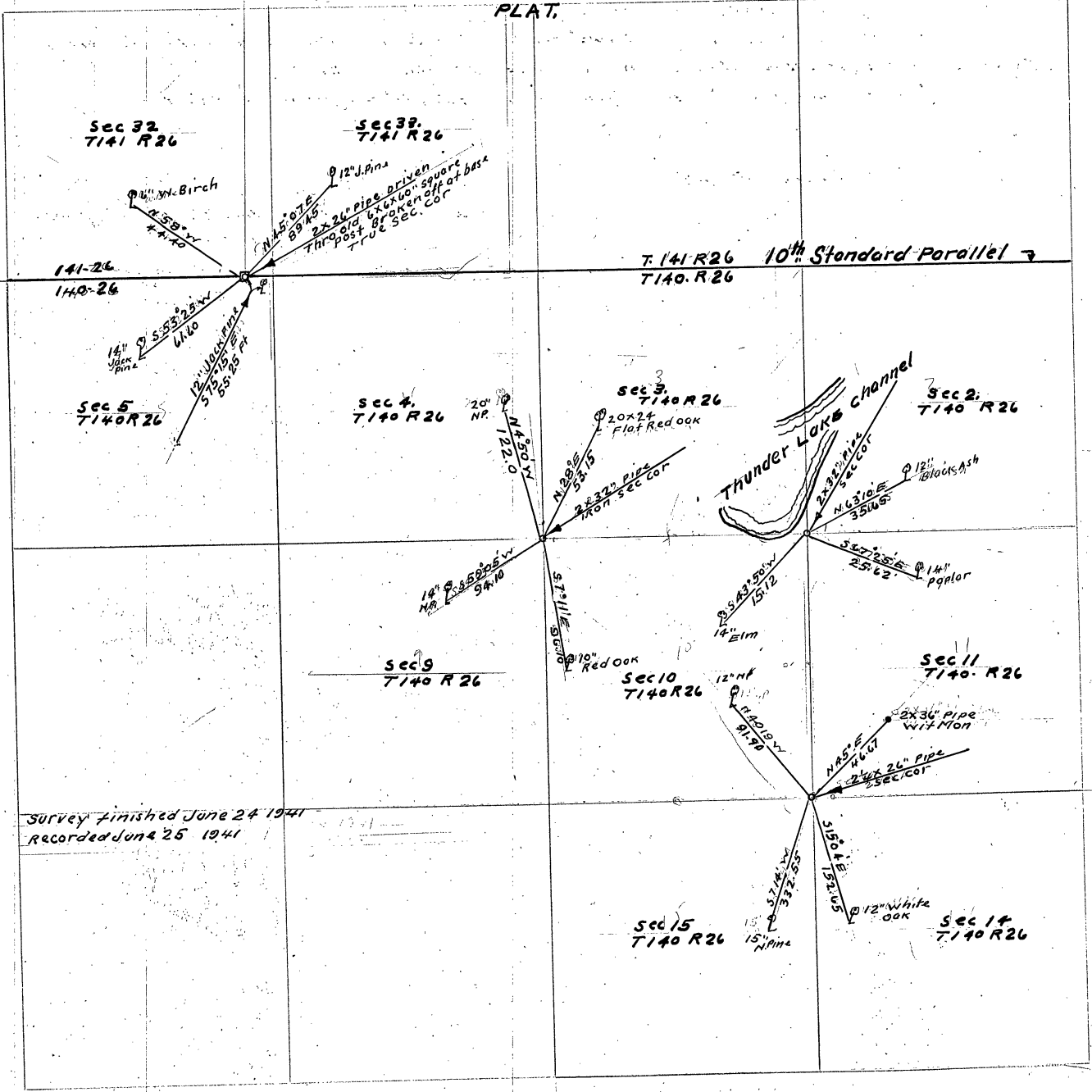
John W. Currier
County Surveyor Cass County
Minnesota

140-26
141-26
516

Sections 2-3-4-5-9-10-11-14-15 T140 R26
sections 32-33 T141 R26

Survey Record No 576.

PLAT.



Survey finished June 24 1941
Recorded June 25 1941

Survey Record No 577.

Sections 23-24-25-26
T140 R9 29.

PLAT

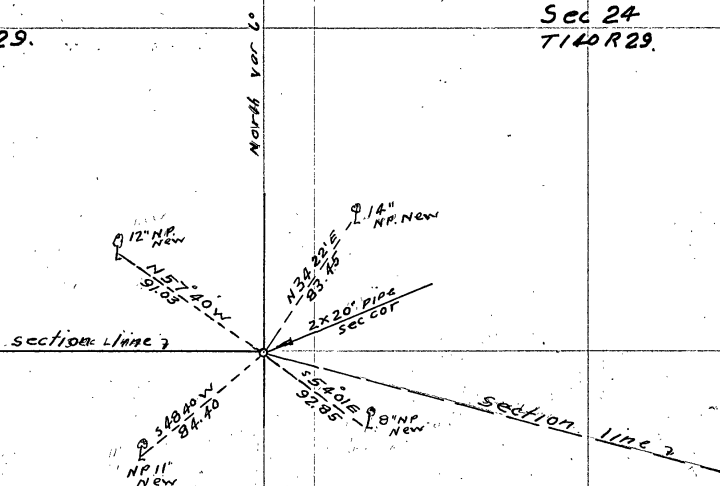
Sec 23
T140 R 29.

Sec 24
T140 R 29.

Sec 26
T140 R 29.

Sec 25
T140 R 29.

Surveyed June 6 1940
Recorded June 26 1941



Sections 23-24-25-26.
T. 140. R 29.

Field Notes of the survey made by me in the abovenamed sections as shown by the annexed plat on page 254 of this book 'D' are correct

All measurements are given in feet and decimals of a foot. Courses are turned from the adjoining section line which is a true meridian for this survey. This annexed plat contains a part of these notes and is correct

Survey checked and finished June 6-1940

Recorded in my office this 26 day of June 1941

John W. Cress
County Surveyor Cass County, Minnesota.

Sections 5-6-7-8.
T. 141 R. 30

Field Notes of the survey made in above named sections as shown by annexed plot on page 257 of this Book "D" are correct. All measurements are given in feet and decimals of a foot. Courses are turned from the adjoining section line which is a true meridian in this survey. The plat contains a part of these field notes, and is correct.

Survey finished April 20-1941

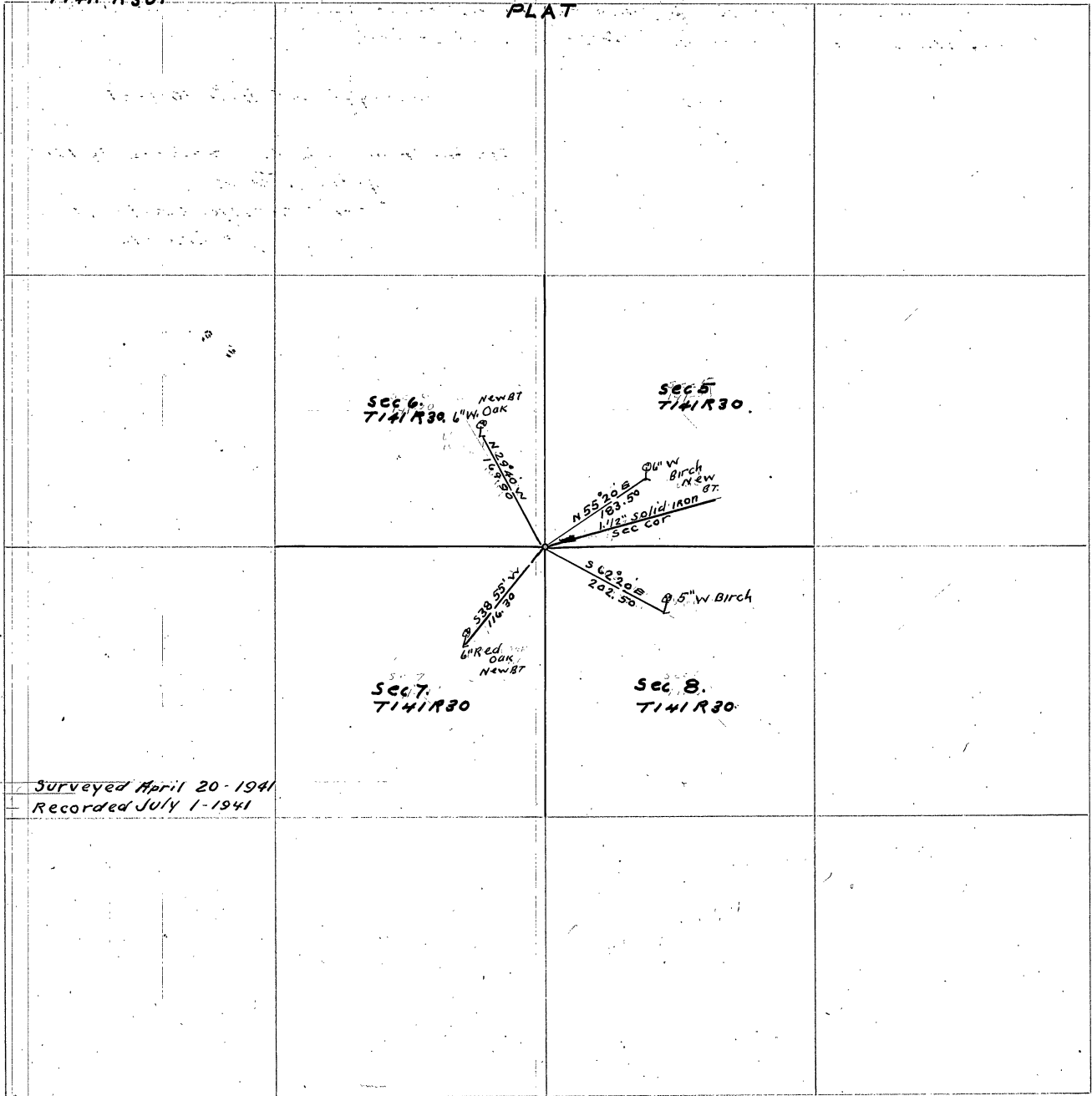
Recorded in my office this 1st day of July 1941

John W. Cress
County Surveyor, Cass County
Minnesota

Sections 5-6-7-8-
T141 R30

Survey Record No 578

PLAT

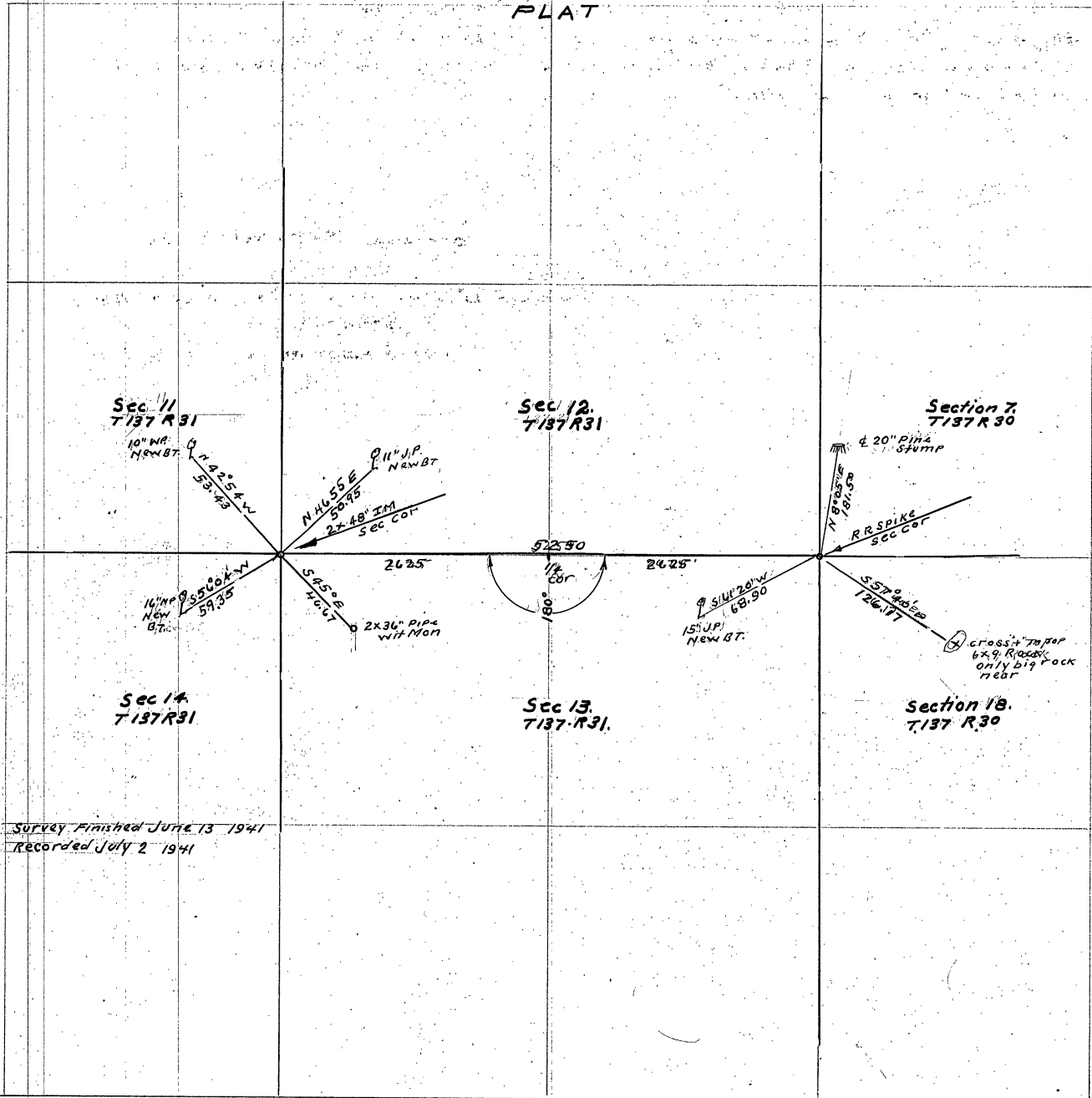


Surveyed April 20 - 1941
Recorded July 1 - 1941

Sections: 7 and 18. T 137 R 30
" 11-12-13-14. T 137 R 31

Record No 579.

PLAT



Survey Finished June 13 1941
Recorded July 2 1941

sections 7 and 18. T 137 R 30

" 11-12-13-14 T 137 R 31

Field Notes

Field Notes of the survey made ^{by me} in above named ^{Sections} as shown by annexed plot. Page 258 of this book "D" are given in feet and decimals of a foot. Courses are turned from the adjoining section line which is a true meridian in this survey. This plot contains a part of the field notes. Both plot and notes are correct.

Survey finished June 13 1941

Recorded in my office this 27th day of July 1941

John W. Curro
County Surveyor, Cass County
Minnesota

Record No 580

Sections 7, 8, 17, 18,
T139 R30

Field Notes

Field notes of the survey made by me in the above named sections as shown by the annexed plat on page 261 of this book "D" are correct

All measurements are given in feet and decimals of a foot: Courses are turned from the adjoining section line which is a true meridian for this survey.

The plat contains a part of these field notes and is correct

Survey checked and finished July 11th 1941

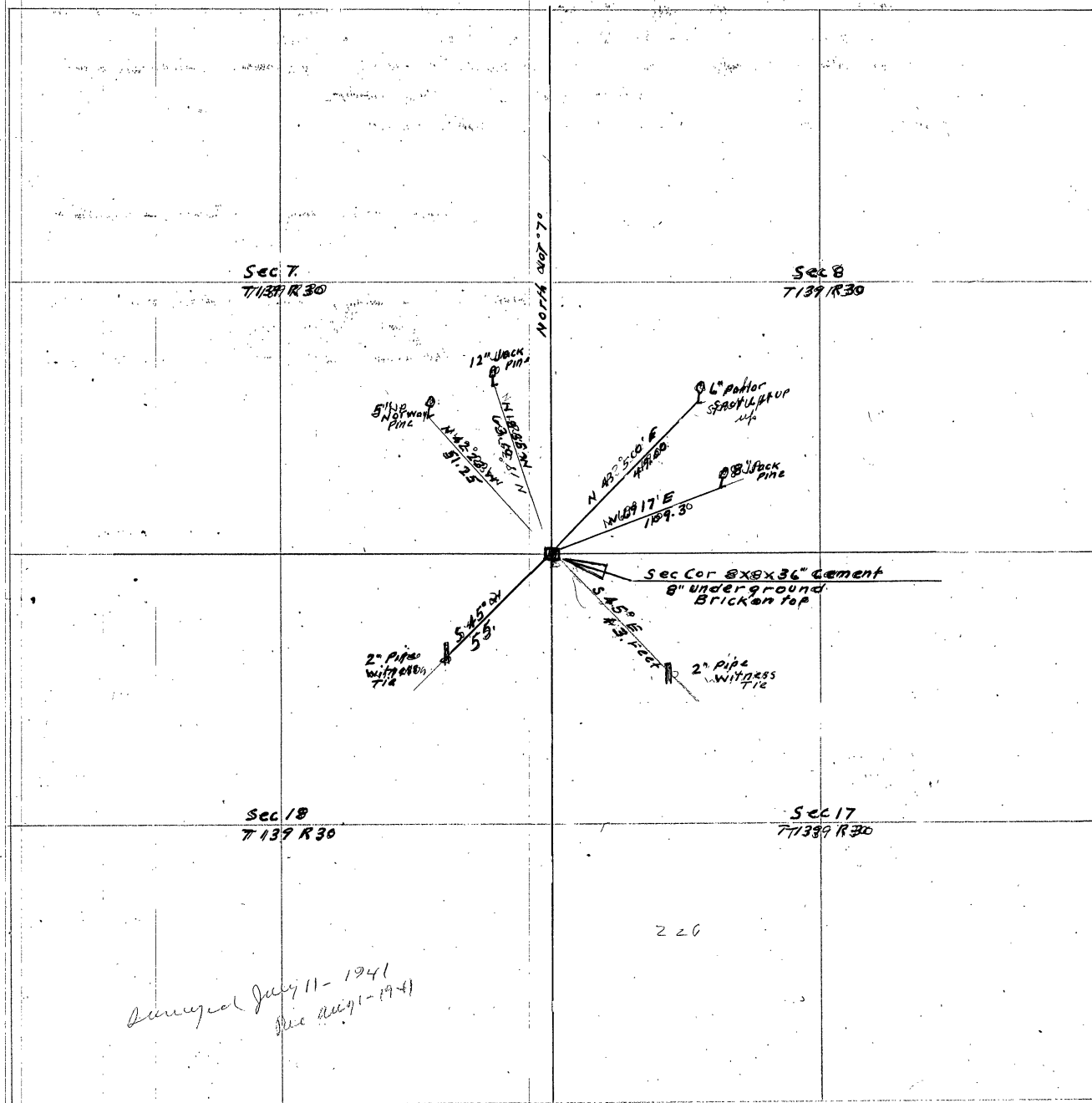
Recorded in my office this 1st day of August 1941

John W. Curo
County Surveyor Cass County, Minnesota

D

7-8-17-18
139-30

580



Sec 7
T139 R30

Sec 8
T139 R30

Sec 18
T139 R30

Sec 17
T139 R30

220

Surveyed July 11 - 1941
See Aug 1 - 1941

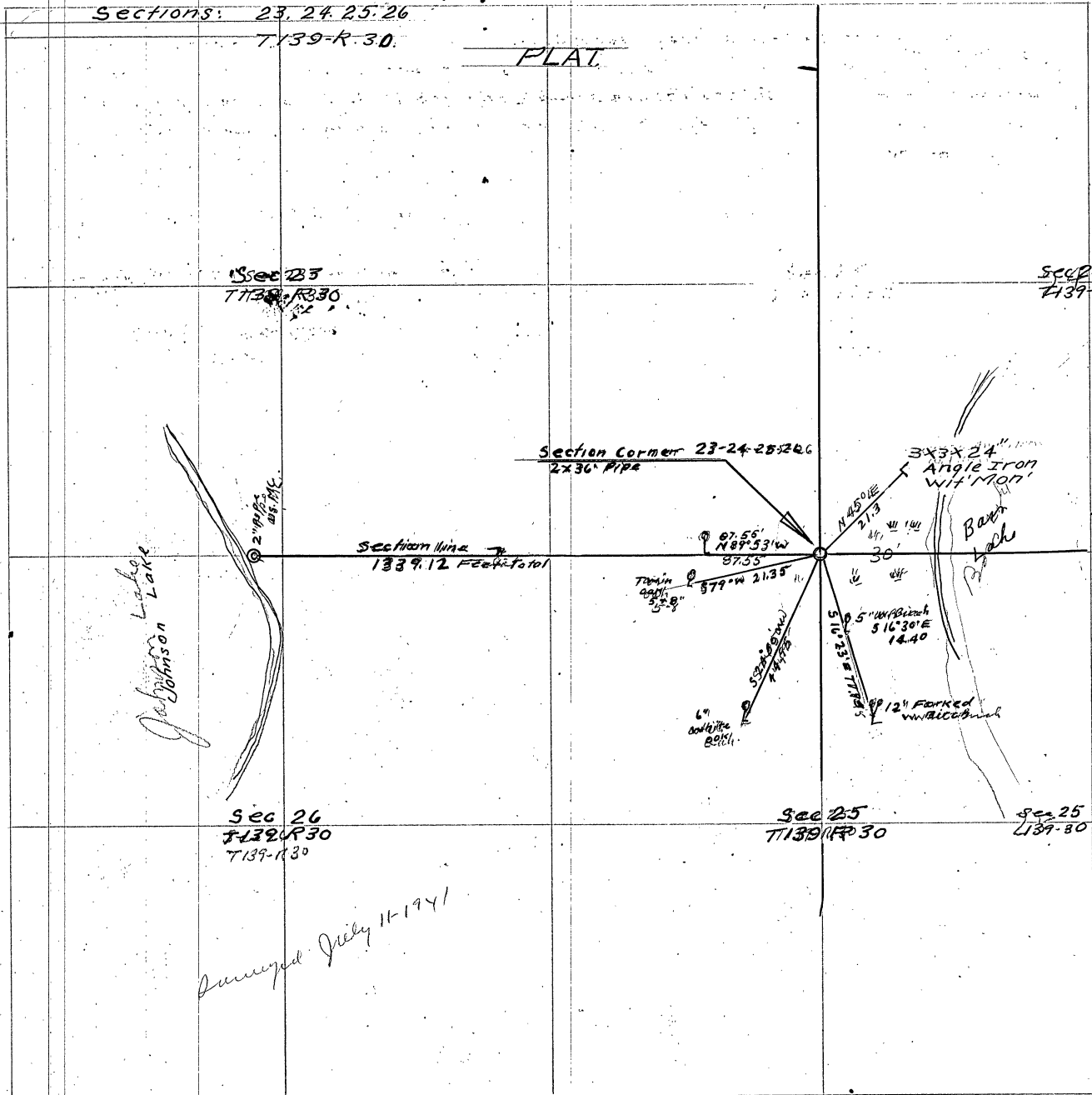
D

581

139-30

Sections 23-24-25-26
139-30

Record No 581



Record No 581.

Sections: 23, 24, 25, 26 T139 R30

Field Notes.

Field notes of the survey made by me in the above named sections as shown by the annexed plat on page 262 of this book "D" are correct. All measurements are given in feet and decimals of a foot. All courses are turned from the adjoining section line which is a true meridian for this survey. The annexed plat contains a part of these field notes and is correct

Survey finished July 11th 1941

Recorded in my office this 2nd day of August 1941

John W. Curro
County Surveyor, Cass County
Minnesota

Record N^o 582.

Sections 4 and 5, T135 R29

Field Notes

Field notes of the survey made by me in the abovenamed sections as shown by the annexed plat on page 265 of this "Book D" are correct.

All measurements are given in feet and decimals of a foot. All courses are turned from the adjoining section line which is a true meridian for this survey. The plat contains a part of these field notes and is correct.

Survey checked and finished July 9th 1941

Recorded in my office this 4th day of August 1941

John M. Curo
County Surveyor, Cass County, Minnesota.

582

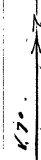
Sec 4-5-135-29

135-29

Record No 582.

Sections 4 and 5 T135 R29.

PLAT.



10" ϕ Pine
 N 42° 15' W
 42.06

3 1/2 x 1 1/2" Oak in stone pile
 1/4" ϕ & 1/4" Cor
 T's set from Orig US Fees

Sec 5
 T135 R 29.

Sec 4
 T135 R 29.

8" ϕ Burr oak New
 S 49° 17' W
 23.78

8" ϕ Burr oak New B.T.
 S 68° E
 15.85

Surveyed July

137-30

D

583

Secs

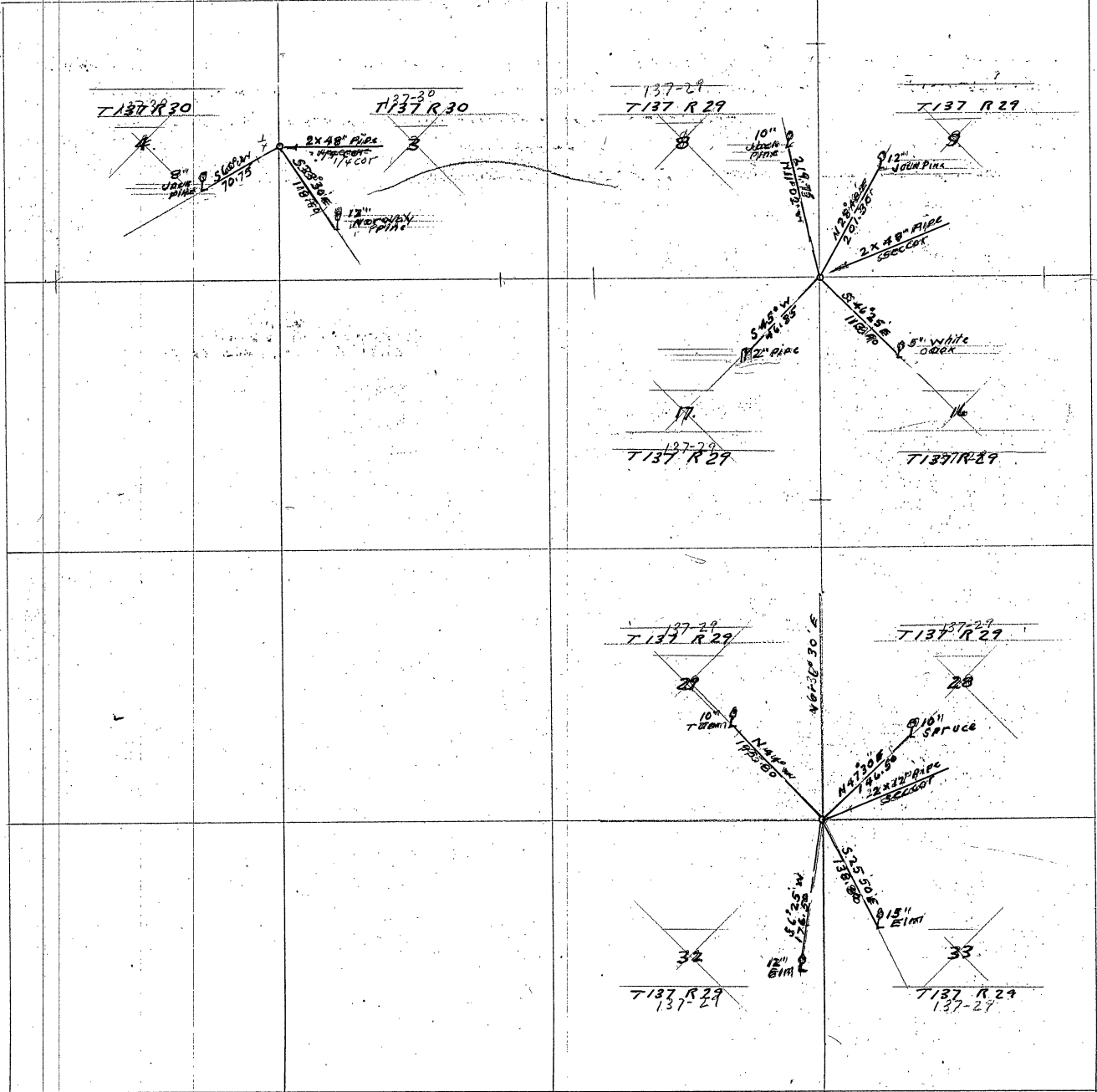
Secs 8-9-16-17-28-29-32-33 T 137 R 29

3-4 T 137 R 30

137-29

Plat

Record No 583



secs 8-9-16-17-28-29-32-33 T137R29
3-4 T137R30

Record No 583

Field Notes

Field notes of the survey made by me in the above named Sections as shown by the annexed plat on page 266 of this book "D" are given in feet and decimals of a foot. Courses are turned from some adjoining section line which is considered a true meridian for this survey and the plat contains a part of the field notes. Both plat and notes are correct.

Survey finished and recorded This 27th day of November 1941

John W. ^{jr}
County Surveyor
Cass County, Minnesota

Sec 6. T137 R29

Record No 584

6-7-31 T138 R29

1. T137 R30

1-12-24-25-27-28-33-34-34 T138 R30

Field Notes

Field notes of the survey made by me in the above named sections as shown on page 269 of this Book "D" are given in feet and decimals of a foot; Courses are turned from some adjoining section line which is considered a true meridian in this survey.

The plot contains a part of the field notes; Both plot and notes are correct

Survey finished and recorded this 29th day of November AD 1941

John W. Cress
County Surveyor Cass County
Minnesota

D

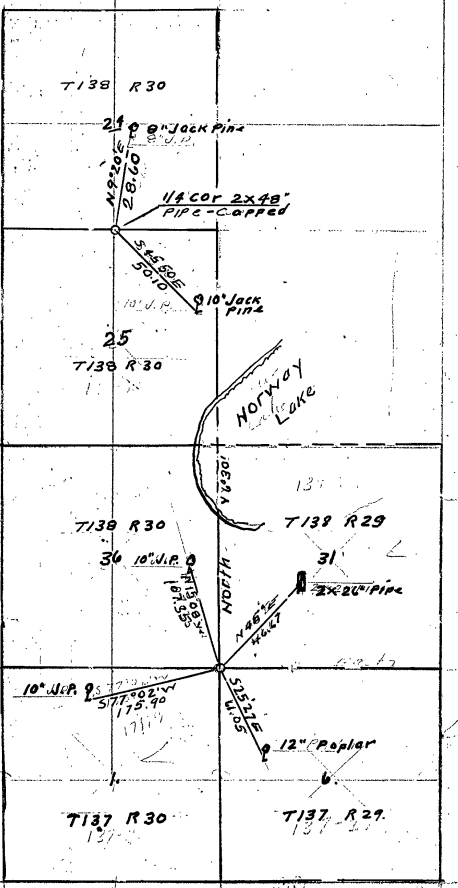
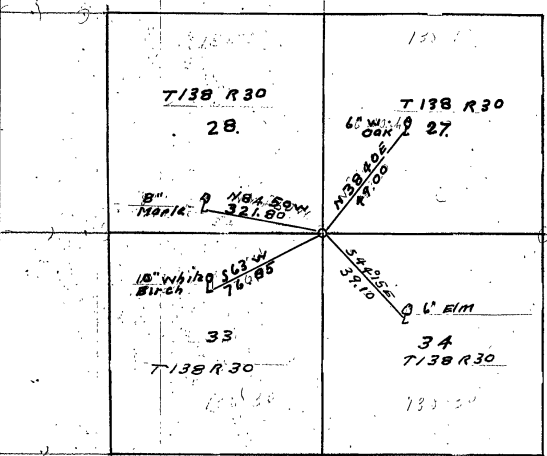
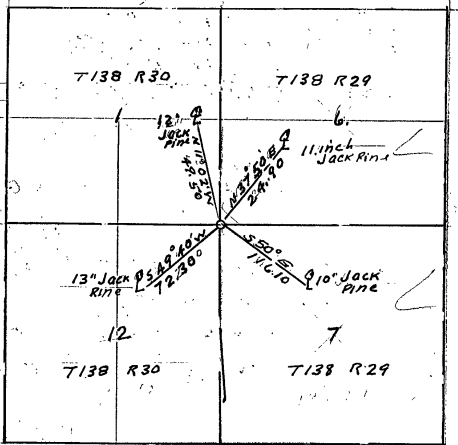
27
34

138-29-30

PLAT

Record No 584

Sec 6 T. 137 R. 29
6-7-31 T. 138 R. 29
1- T. 137 R. 30
1-12-24-25-27-28-33-34-36 T. 138 R. 30



D

138-139
30

385 585
138-30
139-30

Sections 5-6-T138 R30 and
31-32 T139 R30

Record No 585

PLAT

139-30
T139 R30

139-30
T139 R30

31 8" W. Oak

32

N 51° 15' E
14.51

N 82° 50' E
20.80 7" W. Birch

10" Black Pine
S 59° 30' W
46.20

Sec Cor
8x8 Cement

S 26° 45' E
37.80 14" Red Oak

T138 R30

T138 R30
138-30

Record No 585

Sections 5-6-7/30th R 30th and
31-32/139th R 30th

Field Notes

Field notes of the survey made by me in the above named sections as shown by the annexed plat on page 270 of this Book, "D" are given in feet and decimals of a foot;

Courses are turned from the adjoining section line which is considered a true meridian for this survey; This plat contains a part of the field notes; Both plat and notes are correct

Survey finished and recorded this 29th day of November A.D. 1941.

John W. Lewis
County Surveyor, Cass County, Minnesota

Record No 586
Cass Co Minn

Sections
17-18-19-20 T 146 R 30
Cass County, Minnesota

Field Notes

Field notes of the survey made by me in the above named section as shown by the annexed plat on page 273 of this book "D" are given in feet and decimals of a foot. Courses are turned from the adjoining section line which is considered a true meridian in this survey

This plat contains a part of these field notes. Both plat and notes are correct
Survey finished and recorded this 1st day of December A.D. 1941

John A. Curo
County Surveyor Cass County
Minnesota

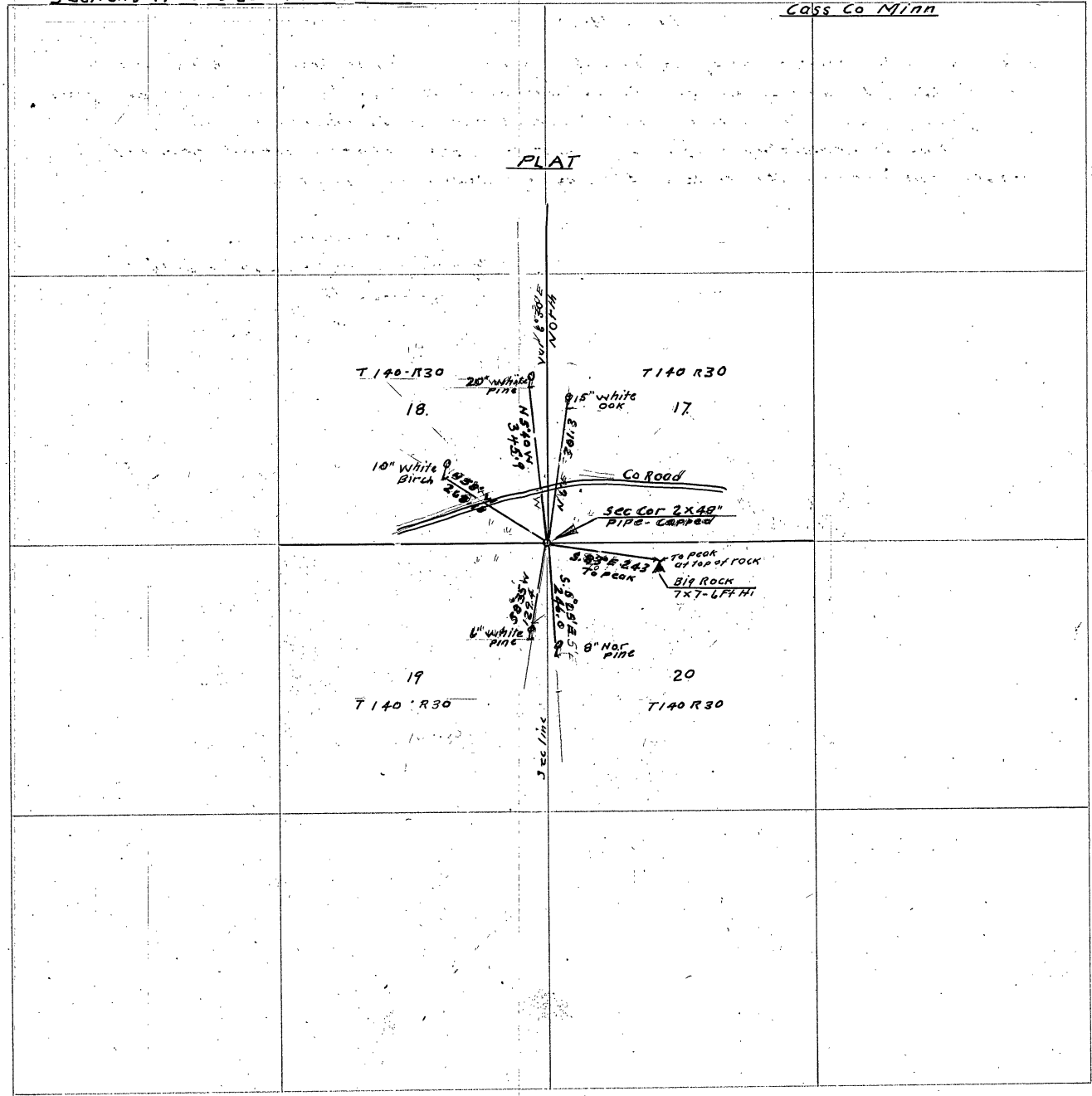
D

586

140-30

Sections 17-18-19-20 T140N R30W

Record No 586
Cass Co Minn.



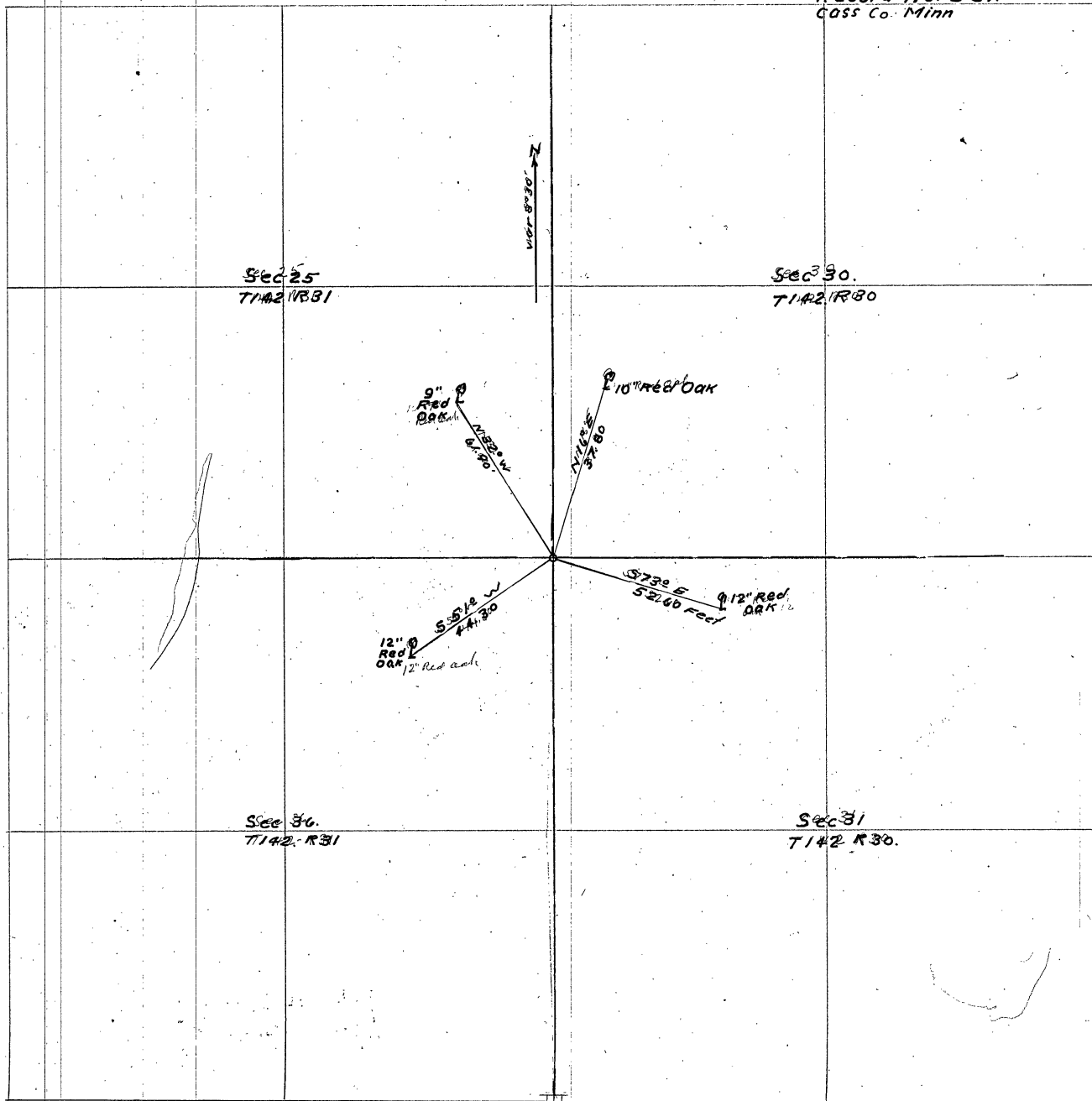
597

597

142-30-31

Sections 30-31 T. 142 R. 30.
Sections 25-36 T. 142 R. 31

Record No. 587.
Cass Co. Minn.



Record No. 587

Cass County, Minnesota

Sections 30-31 T142 N. R. 30 W.

" 25-36 T142 N. R. 31 W.

Field Notes

Field notes of the survey, made by John W. Curo, County Surveyor, Cass County, Minnesota, in Sections 30, 31 Township 142 Range 30 W. and Sections 25, 36 Township 142 Range 31 W., Cass County, Minnesota are as follows:

From the Township 141 and 142 N. Range 30 W. to Township 141 and 142 N. Range 31 W., we run N. along the Township line 1 mile rough chains, where we locate an iron monument having a 2" brass cap established by the U.S. Government in its survey of 1920. This brass capped monument as established for the true corner to said Sections 25, 30, 31, 36 Township 142 N. Range 30 and 31 W. set from the original U.S. bearing trees, or accept as the true corner and marks new bearings as follows:-

In Section 30 T. 142 N. Range 30 W. we run N 16° E. 37.8 ft. to a 10" red oak which we mark with a flat spot at base and a similar spot 3 ft. up. Thence W. and S. as a check to the Section corner from which we run to -

Section 25 T. 142 N. Range 31 W. we run 32° W. 61.90 ft. to a 9" red oak which we mark with a flat spot at the base and a similar spot 3 ft. up, thence E. and S. as a check to the Section corner.

In Section 36 T. 142 N. Range 31 W. we run S. 51° W. 44.30 ft. to a 12" red oak, which we mark with a flat spot at the base and a similar mark 3 ft. up. Thence N. and E. to Section corner as a check.

In Section 31 T. 142 N. Range 30 W. we run S. 73° E. 52.60 ft. to a twin oak, 12" and 12" in diameter, 30" at the base, and we use the N. oak which we mark with a flat spot at base and a similar mark 3 ft. up. Thence N. and W. as a check to the Section corner, from which a 6" white pine bears S. 48° W. 40.9 ft. An old scarred 11" red oak bears N 22° W. about 23 ft. and a 14" red oak, also scarred, bears S. 72° W. about 25 ft. Courses turned with a Survey Compass, Chained with steel tape and plumb-bob. Courses turned from Range line which is a true meridian in this survey. Magnetic variation reads 8° and 10 minutes.

Survey finished March 1, 1942 by John W. Curo

Certificate of Survey

Office of County Surveyor, Cass County, Minnesota
State of Minnesota
County of Cass S.S.

I, John W. Curo, hereby certify that the above field notes and annexed plat of Record No. 587 are correct. Recorded in my office this 2nd day of March, 1942

John W. Curo
County Surveyor
Cass County Minnesota

Record No. 588

Case County, Minnesota

Sections 1-2-11-12, T141 N. Range 31 W.

Field notes

Field notes of the survey, made by John H. Curo, County Surveyor, Case County, Minnesota in Sections 1, 2, 11, and 12 Township 141 N. Range 31 W. for Case County, Minnesota are as follows:

At the corners of Sections 1, 2, 11, and 12 U. S. notes call for a post and the following bearing trees

N.P. 13 S. 60 E. 90 LKS = 59.46'

N.P. 8 S. 31 W. 70 LKS = 46.20'

N.P. 8 N. 42 E. 60 LKS = 39.60'

N.P. 10 N. 67 W. 13 LKS = 8.58'

We find a galvanized iron monument 2" by 48" in size, having a galvanized iron cap set by me from the original U.S. bearing trees many years ago. This iron monument is the true Section corner and in order to preserve the same and to avoid confusion in future surveys, we take new bearings as follows:

In Section 1 Township 141 N. Range 31 W. we run N. 46° and 30 Minutes E. 147 ft. to a 7" white birch on the W. edge of a cluster of white birch trees 5", 7", and 8" in diameter. We use the 7" birch which we mark with a flat spot at the base and a similar spot 3 ft. up. Chained by way of the slope of the hill. Thence

In Section 2 Township 141 N. Range 31 W. we run N. 32° and 30 Minutes W. 31 ft. to a 7" white birch which we mark with a flat spot at the base and a similar spot 3 ft. up thence E. and S. as a check to corner.

In Section 11 Township 141 N. Range 31 W. we run S. 32° and 15 Minutes W. 33.46 ft. to a twin white oak 5" and 6" in diameter. We use the 6" E. oak which we mark with a flat spot at the base and a similar spot 3 ft. up and thence E. and N. as a check to the corner.

In Section 12 Township 141 N. Range 31 W. we run S. 87° and 30 Minutes E. 107 ft. by way of the slope of the hill to an 8" Norway Pine, which we mark with a flat spot at the base and a similar spot 3 ft. up. From this Section corner a 6" birch with a spot at the base bears N. 5° E. 39.2 ft. The center line of the M & S R.R. tracks is 47 ft. E. by way of the slope. Magnetic variation reads 6° E. A 2" brass cap iron monument set by the U.S. Govt in its survey of 1920 sits 50 ft. E. of this true corner. My object in recording this true corner is to clear up all doubt as to which is the true corner.

Survey finished March 1, 1942 by John H. Curo.

Certificate of Survey

Office of County Surveyor, Case County, Minnesota

State of Minnesota

County of Case, S.S.

I, John H. Curo, hereby certify that the above field notes and annexed plat of Record No. 588 are correct.

John H. Curo

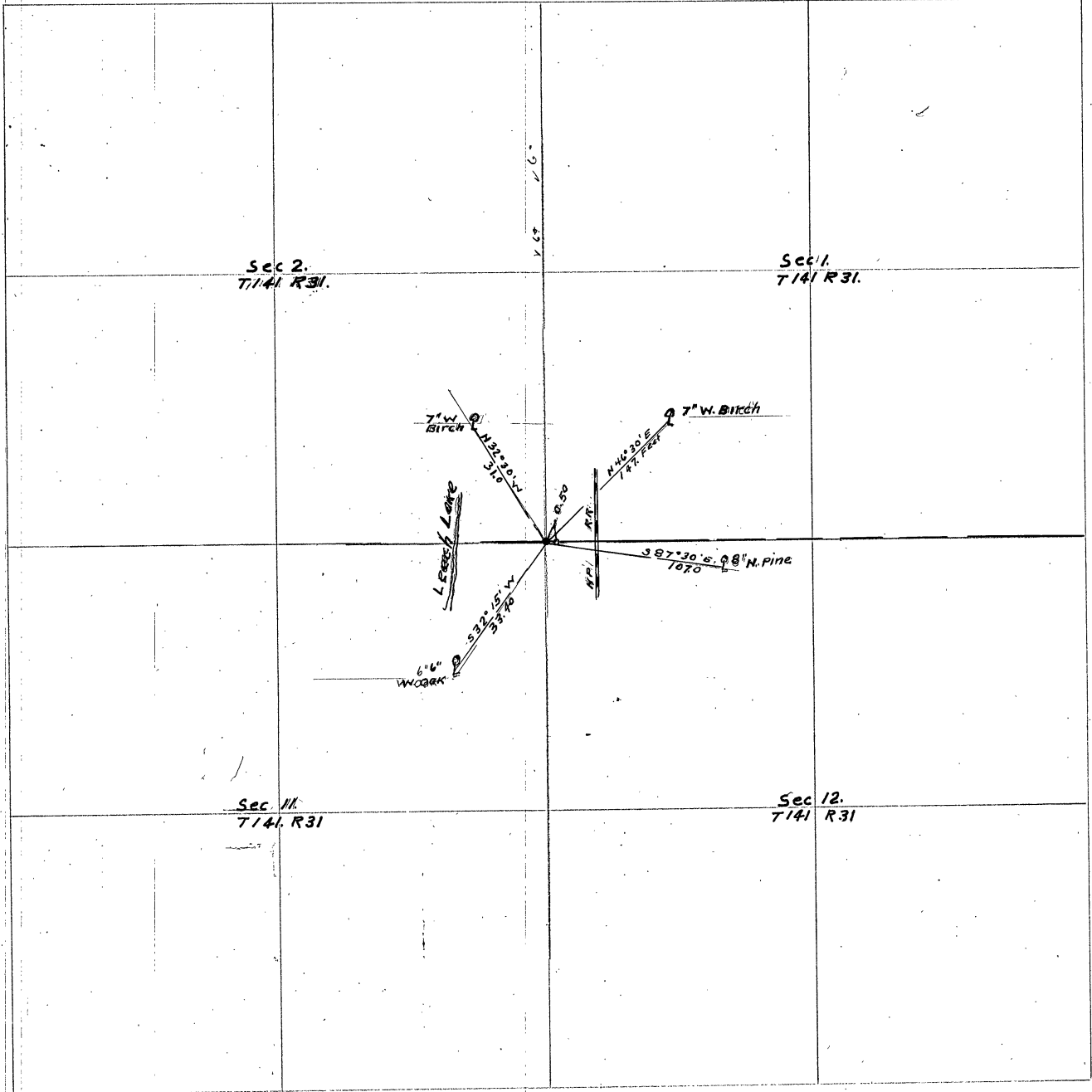
D

141-31

584

Section 1, 2, 11, and 12
T141, R31.

Record 588
Cass Co. Minn



Record 589
Case County, Minnesota

Sections 3-4-5-6 T133 N R30
Sections 28-29-30-31-32-33-34 T134 N R30

Field Notes

Field Notes of the survey, made by John H. Curro, County Surveyor, Case County, Minnesota, in the above named Sections, is hereby recorded for the purpose of preserving the points established and perpetuating the same for the benefit of future surveys.

In this survey we have not used wood hubs for transit points, but have set iron nail-road spikes. All hubs are R.R. spikes with substantial ties where available; said ties are taken to trees into the course and distances carefully taken, as shown by the following field notes of the survey.

The lines are run with extreme accuracy, taken with an engineer's transit in perfect adjustment and the measurements are taken carefully chained with steel tape and a plumb bob used on uneven ground.

At the corner to Sections 3-4-33 and 34 between T133 and 134 N R30 W, U.S. field notes call for a post and the following bearing trees:-

- Line 6", N 71° E 9 lks = 5.94 ft.
- Line 6", N 6° W 17 lks = 11.22 ft
- Line 7", N 74° W 10 lks = 6.60 ft
- Line 7", S 63° E 44 lks = 29.04 ft

We establish the point for the true Section corner from the original U.S. bearing trees and set a 2" x 36" iron pipe with new bearing trees as follows:- From this true corner we run:-

- In Section 34, T 134 R 30, N 35° 20' E 41.30 ft to a 6" Jack Pine
- In Section 33, T 134 R 30, N 34° 50' W 41.40 ft to an 8" Jack Pine
- In Section 4, T 133 R 30, S 64° W 38.65 ft to a 7" Jack Pine
- In Section 3, T 133 R 30, S 51° 25' E 40.15 ft to an 8" Jack Pine

Variation turned from about the true line West. Magnetic Variation reads 6° E. From this corner run N between Sections 33 and 34, T 134 R 30; 300 ft., 350 ft., 650 ft., 950 ft. Set Pin - 59 ft = 891 Set hub, tie.

- J.P. 10", N 56° 59' E 30.80 ft
- J.P. 8", S 80° 33' E 30.20 ft At 1320 set hub, temporary 1/16 corner.
- Oak 10", N 10° E 49.15 ft
- Oak 6", E 27.00 ft At 16.20 - 85 = 15.35 Old road N W S E

At 16.20 Stake + 34.20 = 1654.20 hub - 2 = 1652.20 Hub
J.P. 7", S 35° 50' E 4.15 ft
J.P. 6", N 39° 15' E 26.20 ft 16.20 + 2.30 = 1850 Stake 2150 Stake
2150 - 63 = 2087 Cross road N E S W 10 ft W of forks of the road which runs N 80° E then N 45° E. Road also runs S 80° W 240 ft, crosses another road continues N. at 2201.70 Set hub.

- J.P. 9", S 43° E 39.50 ft
- J.P. 8", N 53° 20' E 27.10 ft 2150 + 150 = 2300 Stake 2400 Set Hub, Temporary 1/4 corner

between Sections 33 and 34 T 134 R 30 U.S. notes call for a post and the following bearing trees

- N.P. 22", S 27° W 22 lks = 14.52 ft
- N.P. 15", S 2° E 71 lks = 46.86 ft

We find the old stake set from the U.S. bearing trees equal the true 1/4 corner at 26.40 N 1/4 corner bears S 87° 8' 36.40 ft. Tie to 1/4 corner as:-

- J.P. 10", N 46° 45' E 55.00 ft
- J.P. 9", N 58° 45' W 48.80 ft
- J.P. 11", S 47° 20' W 48.50 ft
- J.P. 10", S 20° W 24.50 ft

E. 589-1-11

Variation 10° From this 1/4 corner, we run W. on transit line through center of Section 33 T 134 N R 30 W
 at 367.5 set hub, ties, viz: J.P. 9", S 20° E 1.20 ft. Only one. at 846.5 W. set hub on West bank of here. Set ties:
 J.P. 7", S 20° 30' W 5.90 ft
 J.P. 6", N 76° W 15.70 ft. At 900 Stake on side line. At 1200 Stake + 45 = 1245 Lead Road N.W. and S.E.
 At 1320 Stake on line + 121.8 = 1441.8 set hub.

J.P. 10" S 20° W 4.40 ft
 J.P. 10" S 80° E 2.50 ft Continue W 1441.8 + 58.2 = 1500 W At 1600, 1700, 1800 set stakes. Ties to
 hub at 1891.8 Viz:-

Oak 4" N 30° 43' E 24.00 ft

Oak 3" N 45° 48' W 33.60 ft 2000, 2100, 2200, 2300, 2400, 2500, 2600 Stakes. At 2646 set hub.
 2700, 2800, 2900 Stakes. At 2931.2 set hub, ties, viz:-

J.P. 4" S 37° E 35.70 ft

J.P. 4" S 37° W 30' 17.40 ft. At 3000, 3100, 3200, 3300, 3400, 3500, 3600, 3700, 3800, 3900 set stakes. 3960 Stake ties

J.P. 5" S 45° E 7.40 ft

J.P. 6" N 70° E 22.00 ft. At 4000, 4100, 4200 Stakes. At 4257.4 set hub; ties - viz:-

J.P. 5" N 67° 46' E 8.30 ft

J.P. 5" N 24° 35' W 13.10 ft. At 4300, 4400, 4500 set stakes. At 4600 set hub; ties, viz:-

J.P. 6" S 59° 45' E 17.50 ft

J.P. 6" S 12° 4' W 8.60 ft. At 4700 set stake. 4769 cross old road N-S. At 5200 Stake. At 5280 set hub, ties;

8" J.P. Stump, rotten, 3 ft. high bears S. 80° E 2.60 ft.

10" J.P. Stump, rotten, 3 ft. high bears N. 40° E 14.40 ft.

At 5537.20 W. set hub; no ties. Chain on out out picket line W 703 ft. to center line of the County
 Highway. With transit again over hub 2931.2 = R.R. spike. Continue west on my old transit line. From
 hub 4600 west, chain W 49.10 to 4649.10 and set pin on W slope. Show over big ravine and rechain 300 ft. to
 4949.10 set pin on E slope + 63.50 = 5012.60 R.R. spike on top, ties, viz:-

J.P. 10" N about 75° W 12.10 ft

J.P. 12" S " 20° W 16.65 ft.

From 5012.60 chain west 101.70 = 5114.30 set hub, R.R. spike in flat spot. From 5212.60 + 186.8 = 5199.4
 set hub, R.R. spike, ties, viz:- Red Oak 6", N 5° 20' W 26.65 ft

Red Oak 3", S 63° W 23.75 ft. to a spot at the base.

5199.40 + 60 = 5200 W set pin + 300 = 5500 Pin in old field + 38.70 = 5538.70 Wood hub in field. At 5548 W

leaves field N-S 5500 + 84.8 = 5584.8 set hub, R.R. spike on W slope. Continue random line W 100 ft. + or -

With transit line over hub 5199.4 W the 1/4 corner between Sections 33 and 34 T 134 N R 30 W bears
 N 38° 24 1/2' W. called N 38° 25' W 215.85 ft. The corner is turned from the random line. Variation, made 70° 30'

At the 1/4 corner between Sections 33 and 34 T 134 R 30 W the U.S. notes call for a post + following bearing ties:-

N.P. 20", N 67° E 43 lbs. = 28.38 ft.

N.P. 22", S 38° W 27 lbs. = 17.82 ft. We find the stumps of the old trees, both which stood here
 plainly marked and from which I once set the 1/4 corner and drove a 20 d. spike and a 2" x 2" x 24" oak stake.

By flat chain from the face of the old stumps, we find my old 20 d. spike and the true 1/4 corner.

The oak stake had rotted off at the base. We pull up the spike and drive in its place a 1/2" x 8" iron
 bridge bolt for the true 1/4 corner. Transit over the 1/4 corner B.S. South 38° 24 1/2' E 215.85 ft on hub 5199.4 W

Magnetic variation reads 7° 30' E. We take new bearings as follows:-

J.P. 8", N 26° W 21.10 ft.

J.P. 14", S 88° 25' E 13.35 ft E and W fence bears S 5.60 ft to wire on S side of fence.

N.P. 14", N 57° E 49.62 ft

Cracked 12" Oak, N 32° 32' W 33.20 ft

Iron Red Oak 6" and 6", S 16° 53' W 32.35 ft to N Oak

Scrub Red Oak 7" S 62° 40' E 25.30 ft to spot at base

To locate the center line to Sections 32 T 134 N R 30 W, we must first establish the corners to Sections 29, 30, 31 and 32 T 134 R 30 W and the corners to Sections 5, 6, 31 and 32 between T 133 N and 134 N R 30 W and to locate the N and S center line of Section 32 T 134 N R 30 W, we must locate the corners to Sections 28, 29, 32 and 33 T 134 N R 30 W in order to locate the 1/4 corner between Sections 29 and 32 T 134 R 30 W which appears to be lost.

As the U.S. line between Sections 29 and 32 T 134 N R 30 W appears to be obliterated, we proceed to establish the line. Starting at a point where an old N-S fence intersects the S boundary of the crashed graded road running E-W, we drive a 20d wire spike with a guard-stake, marked Station Temporary 1/4 corner between Sections 29 and 32 T 134 N R 30 W from which we run E along the crashed road.

255.4 Hub, R.R. spike 10 ft S of road. At 300, 600, and 900 set pins (At 550 enter swamp) at 926 E center line of 3 ft creek runs S, swift current. At 1135 leave swamp, at 1200 set pin. At 1368 center line of State Road N-S, at 1500 pin + 14.2 = 1514.2 Set hub, R.R. spike, 4 ft N of center line of road. Tie: viz -
 J.P. 10" S 43° 10' W 22.65 ft
 White birch 12", S 72° 15' E 32.50 ft

J.P. 6" N 43° E 40.70 ft
 E and W fence 11 ft S 1514.2 + 300 = 1814.2 + 256.5 = 2070.7 Hub, R.R. spike, center line of road.
 1814.2 + 300 = 2114.2 Pin + 300 = 2414.2 Hub 4 ft N of road + 88 = 2502.2 NE corner of Peterson's fence line S 25 to 40 ft. 2414.2 + 257.2 = 2671.4 Set hub, R.R. spike. Temporary corner to Sections 28, 29, 32 and 33 T 134 N R 30 W at which point U.S. notes call for N.P. 6", S 46° E 40 lks. = 26.40 ft.
 N.P. 4", S 78° W 83 lks. = 54.78 ft

Poplar 14", N 21° W 52 lks. = 43.32 ft. (Only three bearing trees.) No take new trees as follows:-

J.P. 8", S 49° 12' W 66.20 ft
 J.P. 10", S 6° 40' E 45.00 ft to spot at base. Saw from random. Variation 6° E

Continue E between Sections 28 and 33 T 134 N R 30 W. 2671.4 + 190.2 = 2861.6 R.R. spike, hub on hill Tie, viz from which we run in:-
 Section 28 T 134 N R 30 W, N 3° E 14.85 ft. to a 6" Red Oak.
 Section 33 T 134 N R 30 W, S 60° E 10.40 ft. to an 8" Jack Pine
 7" Jack Pine bears S 85° W 17.00 ft

From Station 90 temporary 1/4 corner run W in Sections 29 and 32 T 134 N R 30 W. At 790.00 hub on hill. 3 ft S of the E-W fence and 26 ft S of the road. Tie, viz -

J.P. 8", N 54° 25' E 100.70 ft
 J.P. 7", N 1° 15' E 57.00 ft 790.00 + 300 = 1090.00 set pin. 1390 pin = 411.9 = 1348.10

Hub, R.R. spike 6 ft S of the road. 1524 road turns S to house; 1690 + 61 = 1751
 Creek 10 ft wide runs S, swift current. Creek line N 20° E 100 ft also S 20° W 30 ft, then SE
 1690 + 275.4 = 1965.4 Hub on hill 1965.4 + 272.6 = 2238.0 Hub on top, R.R. spike. Tie: viz -
 N.P. 15", N 3° 20' E 47.50 ft

J.P. 8", N 54° W 20.10 ft W + 300 = 2538 Pin + 89 = 2627 Hub, R.R. spike. Temporary corner to Sections 28, 30, 31 and 32 T 134 N R 30 W. Tie as follows:-

J.P. 20", N 76° 50' E 55.50 ft
 N.P. 12", S 63° 20' E 271.5 ft Tie run in:-

Section 30 T 134 N R 30 W, N 27° 45' W 36.50 ft to a 3" White Oak in the center of a cluster of 3" White Oak. From 2627 hub, we run in:-

Section 31 T 134 N R 30 W, S 77° 22' W 61.50 ft to a 14" poplar tree with a spotted base. Variation 6° Old E-W fence line S 17.50 ft. Sassafras swamp line W 75 ft.

Traverse over 2627 W fence E on random, turn 90° to the right and run S between Sections 31 and 32 T 134 N R 30 W. At 114.8 ft R.R. spike on hill + 135.6 = 250.4 Pin 1.30 W of the center line of a green 8" Spruce stump. NW corner of old fence 8 ft W. At 250.4

D

enter swamp + 248.6 = 499.00. Blue chalk marks in W edge of a green 6" spruce stump + 11.00 = 500.5
Pin in swamp. 800, 1100 Pin in swamp; 1132.30 hub, R.R. spike in swamp. Tie; viz -
Jamarack 7", 28° W 9.90 ft

Jamarack 12", 523° 50' E 33.95 ft

At 1273 S center line of 2 ft Creek runs W. At 1400 and 1700 Pin + 205.6 = 1905.6 Hub
(1855 cross same Creek runs E, 3 ft wide.) Bend of Creek 15 ft NW from 1905.6. At 2000 S
Hub, R.R. spike - Tie as follows: -

5 dead Jamarack trees av 5" and 6" in diameter, near central S Jamarack 6" diam N 12° 15' E 74.65 ft.
8" green Jamarack N 54° 43' W 68.3 ft. Continual S 300, 600 Pin = 2600 S Pin. At 2646 set R.R.
spike hub, temporary 1/4 corner between Sections 31 and 32 T. 134 N R. 30 W. At 2695 enter ice,
2900 Pin; 2907.4 hub on ice; 3200 and 3500 Pins; 3660 leave ice NW and SE 3800 Pin; 3960 hub;
at 4100 and 4400 Pin in marsh; at 4700 Pin - 1.40 = 4698.60 hub, Tie; viz -

Jamarack 4", N 41° 25' E 19.00 ft

Jamarack 5", N 68° 10' W 16.85 ft

At 4750 small 3" to 5" Jamarack NW and SE leave Jamarack. An old two-strand wire fence
3" post sets E 15 ft runs N-S (at 4600 cut down 2 small scrub Jamarack 2 ft W of run
line to which the N end of the wire fence was tied.) At 5000 S set Pin + 271.6 = 5271.6 set
R.R. spike hub on narrow ridge. Temporary corner to Sections 56, 31 and 32 T 133 and 134 N
R 30 W. Tie as follows: -

A cluster of 3 big Red Oak trees 20", 16" and 12". We take the S Oak 12" in diameter
leave N 6° E 7.00, 10" Red Oak N 69° 30' W 41.85 ft to spot base on SE corner of tree. Run S
between Sections 5 and 6 T 133 R 30 W at 165 center line of Creek. At 400 set hub. From temporary
corner run in Section 6 T 133 R 30 W, S 20° W 112 lbs and look for the old U.S. bearing tree.

In Section 5 T 133 R 30 we run S 48° E 257 lbs and look for the old U.S.
bearing tree. The trees appear to be obliterated.

At a point on the random line just over one half mile north and place a red flag at
hub mark 2646 feet south then go two miles east work transit on line between this red flag at 2646 and
the 1/4 corner between Sections 33 and 34 and run a random line west to the public highway and
across said highway into the swamp.

On account of the lack of expense money we quit this line.

Survey made February 6th, 1942 to February 28, 1942. Recorded March 2nd, 1942

Certificate of Survey
Office of County Surveyor, Cass County, Minnesota
I, John W. Curo, hereby certify that the above field notes
and amended plot of Record No. 589 are correct. John W. Curo

PAGE 283 IS BLANK

Record No. 590

Cass County, Minnesota

Sections 5, 6, 7 and 8 Township 141 N. Range 31 W. 5th P.M. Cass County, Minnesota

Field Notes

Field notes of the survey, made by John W. Curo, County Surveyor, Cass County, Minnesota, in the above named sections, are hereby recorded for the purpose of preserving the points established and perpetuating the same for the benefit of future surveys.

At the corner to Sections 5, 6, 7 and 8 T 141 R 31 W we started at a two inch iron pipe previously established by me as the true corner to the above named sections, set from the original U.S. bearing trees and established some years ago. In order to locate the line between said Sections 5 and 6, we retraced several old cut-out picket lines which appear to start from this corner and run north and as we have not located the 1/4 corner half a mile north, we return to the above named Section corner and as this may be lost or obliterated we take new ties as follows:-

In Section 5 T 141 R 31 W we run north 27° and 45 minutes east 63' 40 feet to a 12" red oak tree and from the same corner we run in:

Section 6 T 141 R 31 W north 85° west 20.05 feet to a 6" red oak tree to a new spot made at the base and again from the same section corner we run in:

Section 7 T 141 R 31 W south 32° and 10 minutes west 13.10 feet to a 4" white oak which we spot at the base and again from the same section corner we run in:

Section 8 T 141 R 31 W south 82° and 30 minutes east 41.60 feet to a 16" Norway Pine tree. Magnetic variation reads 6° east. All the above four new bearing trees are well blazed with spots at the base and another spot two feet up.

Survey finished February 27th, 1942 by John W. Curo.
Recorded this 2nd day of March, 1942. John W. Curo

Certificate of Survey

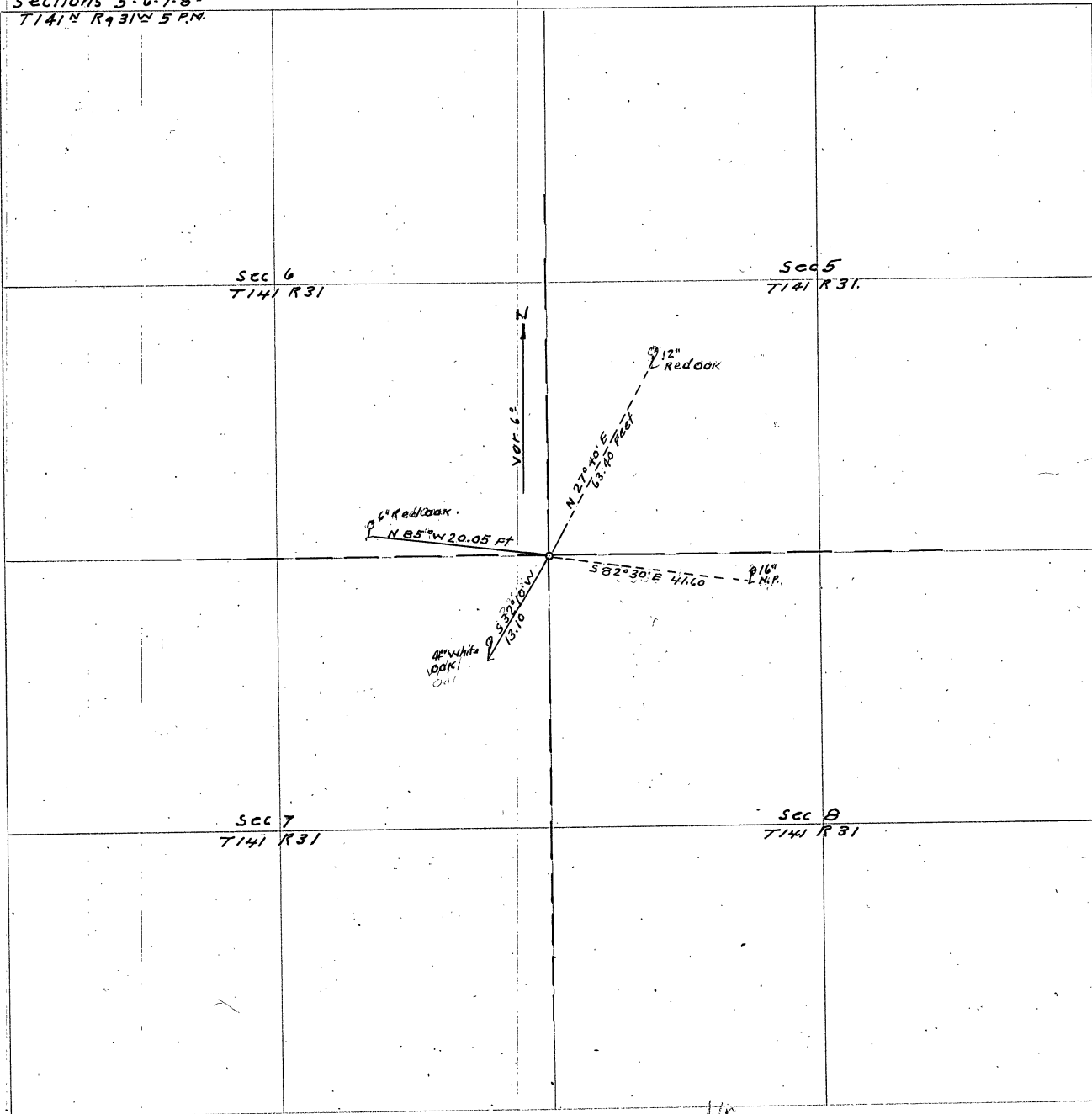
Office of County Surveyor, Cass County, Minnesota.

I, John W. Curo, hereby certify that the above field notes and annexed plat of Record No. 590 are correct.

John W. Curo

141-31

Sections 5-6-7-8-
T141 R31 S 5 PM



Sec 6
T141 R31

Sec 5
T141 R31

Sec 7
T141 R31

Sec 8
T141 R31

6" Red oak
N 85° W 20.05 FT

12" White oak
S 82° 30' E 47.6

12" Red oak
N 27° 40' E
63.40 Feet

16" L.M.P.
S 82° 30' E 47.6

var 6°

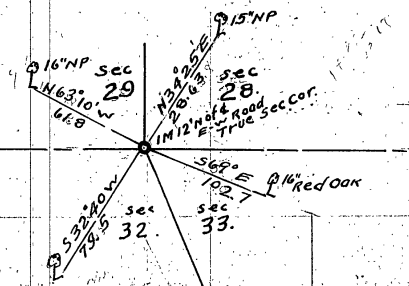
Doc 3/10/10

D

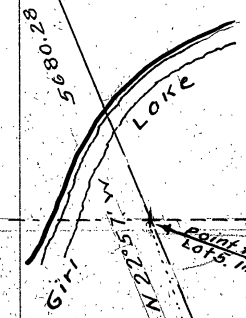
Survey Record No 591

Sec 5 T.140. R.28

2214.10 Secs 28-29-32-33. T.141 R.28.



568.0.28 Feet Total
TIDE SECTION LINE



Sec 32
T.141 R.28

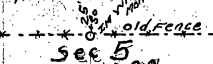
Sec 33
T.141 R.28

Sec 32

Sec 33

10th Standard Parallel, True E-W. Straight line
2 Miles U.S. chain 16 TWP Cor 10.560 FT US = 10.520 MYC
40 FT SHORT IN 2 MILES

Sec 5
T.140 R.28



Record No 591

Sec 5. T140N R28W 5th PM Cass Co. Minn

Secs 28-29³⁰⁻³¹-32-33. T141R28 " " "

Secs 25-34 T141R29 Field Notes.

Field notes of the survey mad by John W. Curo, County Surveyor of Cass County, Minnesota as shown by the annexed plats on page 286, 288, and 289 of this Book "D" are correct. The plat contains a part of the notes

Survey finished April 26 1942

Recorded April 29th 1942

John W. Curo. county Surveyor

sections:

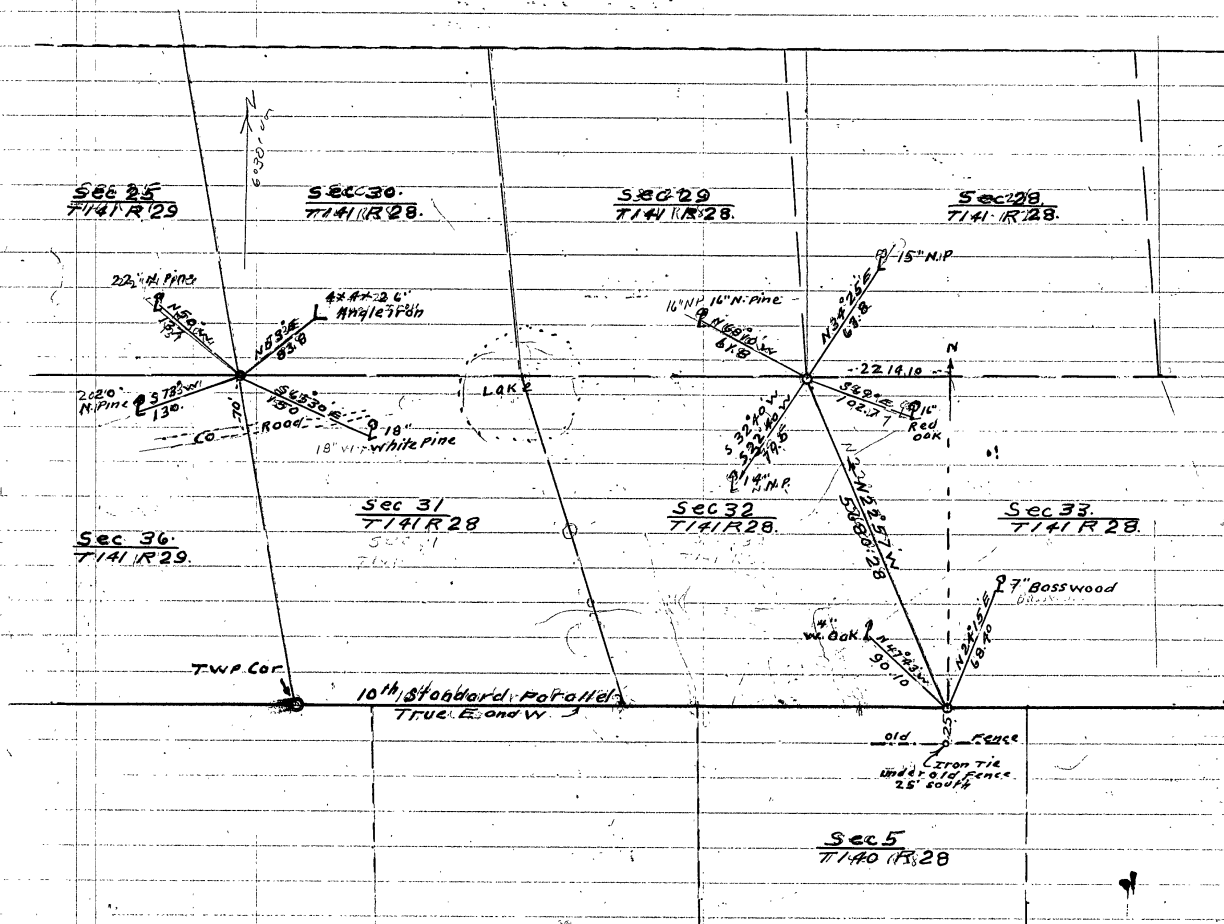
5th P.M.

SURVEY RECORD No 591

Sec 5. T140 R28.

.. 28-29-30-31-32-33-T141 R28

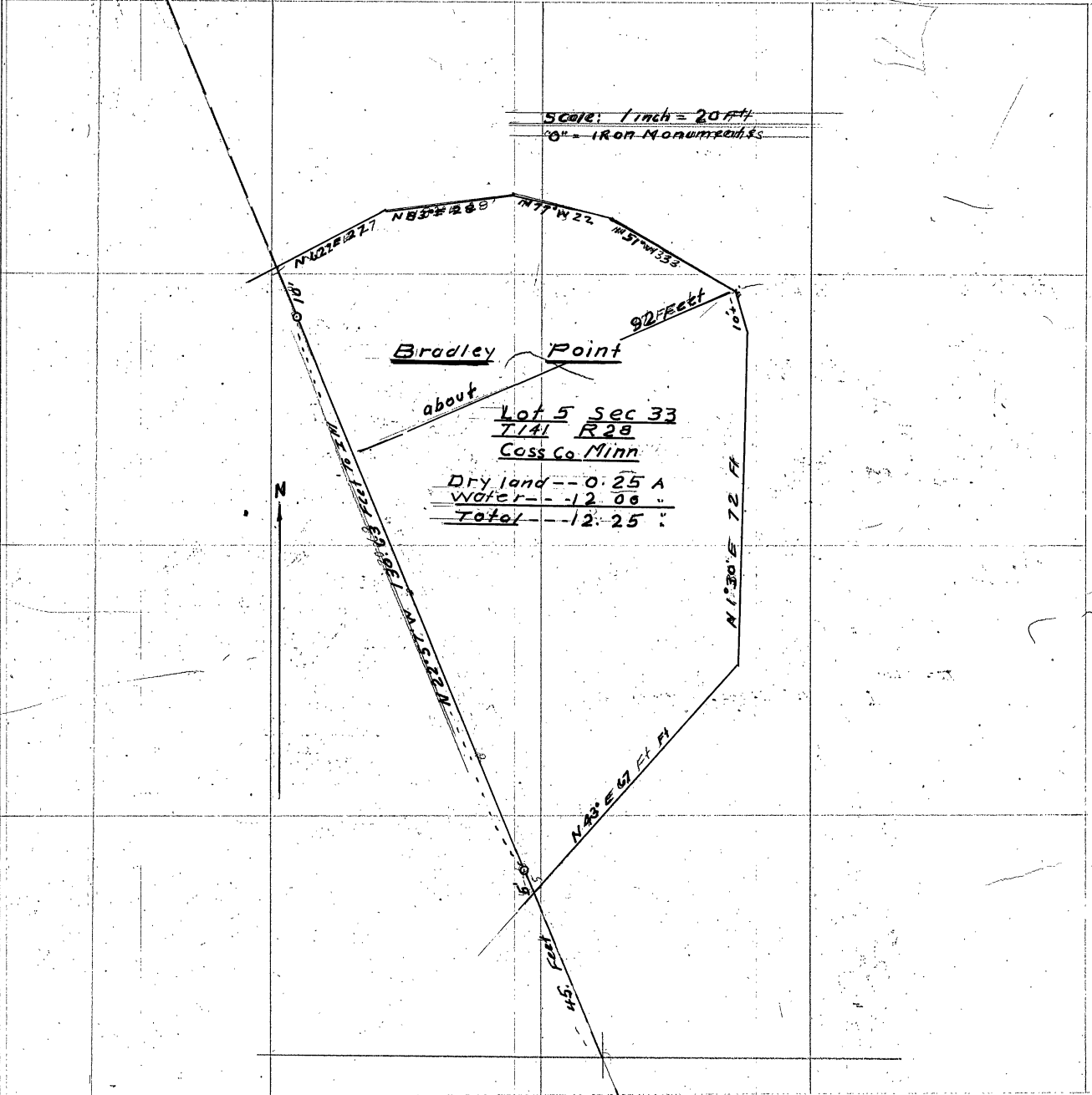
.. 25-36. T141 R29.



supplemental plat Bradley survey

SURVEY Record No 591.

Scale: 1 inch = 20 ft
0" - IRON MONUMENTS



Bradley Point

about
Lot 5 Sec 33
T141 R28
Cass Co. Minn.

Dry land	--	0.25 A
Water	--	12.00
Total	--	12.25

N

45 Feet

D

133-30

592

592

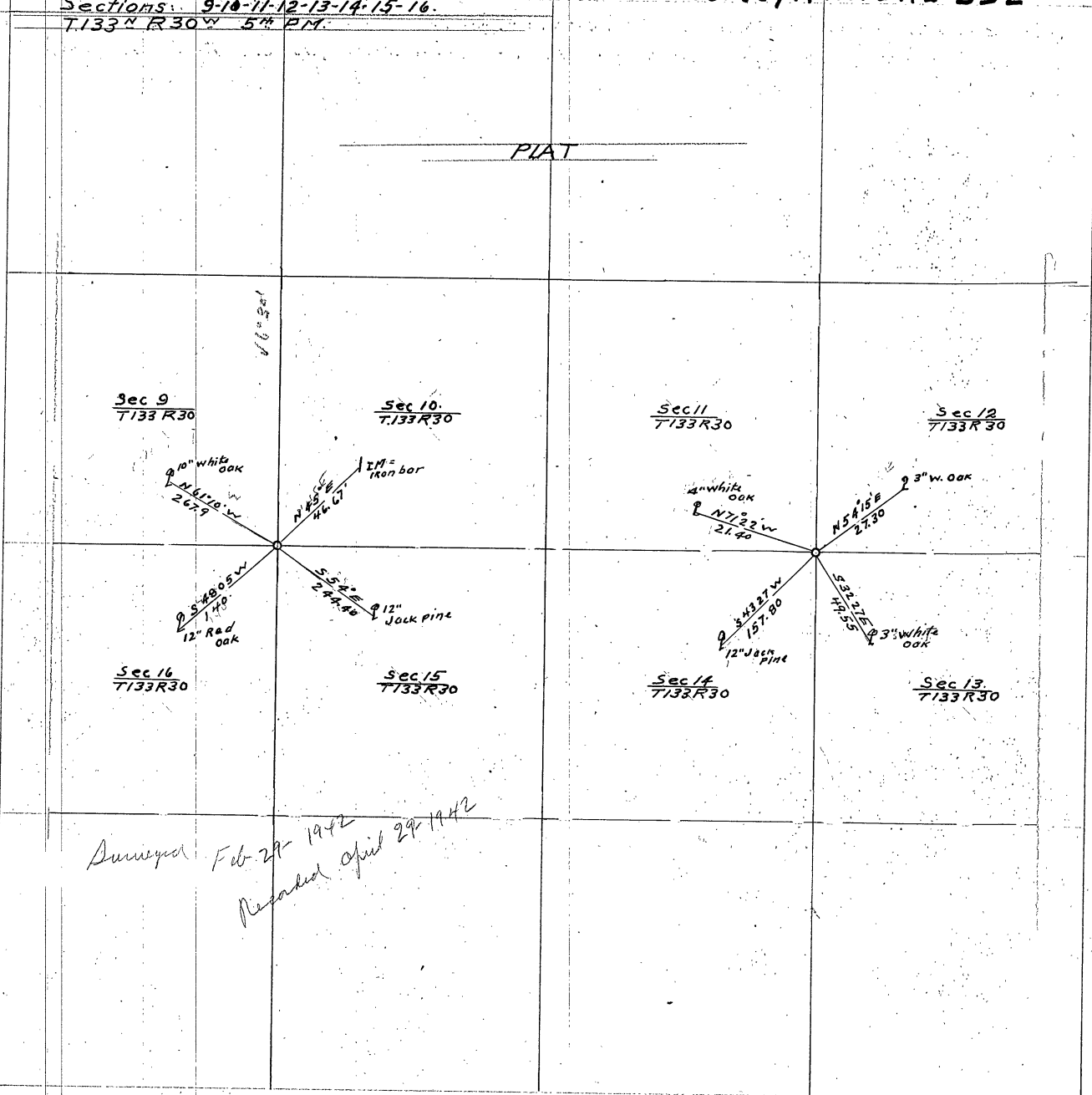
133-30

See page 518 wrong page
Note: will be checked to make sure
numbers on 518 518
error 518

Survey Record No 592

Sections: 9-10-11-12-13-14-15-16.
T133R30W 5th PM.

PLAT



Surveyed Feb 29 1942
Revised April 29 1942

Survey Record No 592

Sections 9-10-11-12-13-14-15-16.
T. 133 N R 30 W 5th PM.

Field Notes

Field notes of the survey made by John W. Curo, County Surveyor of Cass County Minnesota as shown by the annexed plot on page 290 of this book "D" are correct. The plot contains a part of the notes

Surveyed Feb 29-1942
Recorded this 29th day of April 1942

John W. Curo
County Surveyor

Survey Finished Feb 29-1942
Recorded this 29th day of April 1942
John W. Curo

SURVEY RECORD No 593.

Sections 15-16-21-22

T. 146 N. R. 30 W.

Field Notes

Field notes of the survey of the same, made by John W. Cuss, County Surveyor Cass County, Minnesota, as shown by the annexed plat on page 293 of this Book "D" are correct. The plat contains a part of the field notes.

Survey finished April 16-1942
Recorded this 29th day of April 1942

John W. Cuss, Co. Surveyor

No 593.

Sections: 15-16-21-22

TWP: 140 R930

FLAT

Sec 16
T140 R30

Sec 15
T140 R30

8 7/8" @ 10'

N 70° 25' W
187.03

WALKWAY

2x48" 2" @ 10'

N 82° 45' E @ 9" W
184.28

1 1/4" @ 5' @ 10' W
577.54
W. COOK

578.43 @ 12' W
238.6
W. COOK

Sec 21
T140 R30

Sec 22
T140 R30

Survey finished April 16-1942

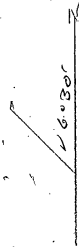
Recorded April 29 1942

John W. Cook

Section 21-22-27-28 T142 R31 and
Sections 29-30-31-32
Twp 142 R31

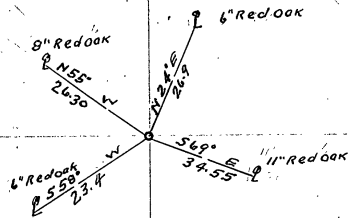
No 594

PLAT



Sec 21
T142 R31

Sec 22
T142 R31

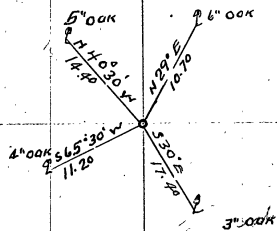


Sec 30
T142 R31

Sec 29
T142 R31

Sec 28
T142 R31

Sec 27
T142 R31



Sec 31
T142 R31

Sec 32
T142 R31

Survey finished April 17-1942
Recorded
April 29-1942

John W. Cress

Sections 21-22-27-28 T142 R31 and
 Sections 29-30-31-32
 T142 R31

Record No 594

Field Notes

Field notes of the survey made by John W. Curo, County Surveyor, Cass County, Minnesota, as shown by the annexed plot on page 294 of this Book "D" are correct. The plot being a part of these field notes

Surveyed and finished April 17-1942
 Recorded this 29th day of April 1942

John W Curo
 County Surveyor

Survey finished April 17-1942
 Recorded this 29th day of ~~Apr~~ April 1942

John W Curo
 County Surveyor

595.

Sections 3-4-7-8-17-18
T141-R31

Field Notes.

Field notes of the survey made by John W. Curo County Surveyor Cass County Minnesota as shown by the annexed plot on page 297 of this book "D" are correct, the plot being a part of these field notes

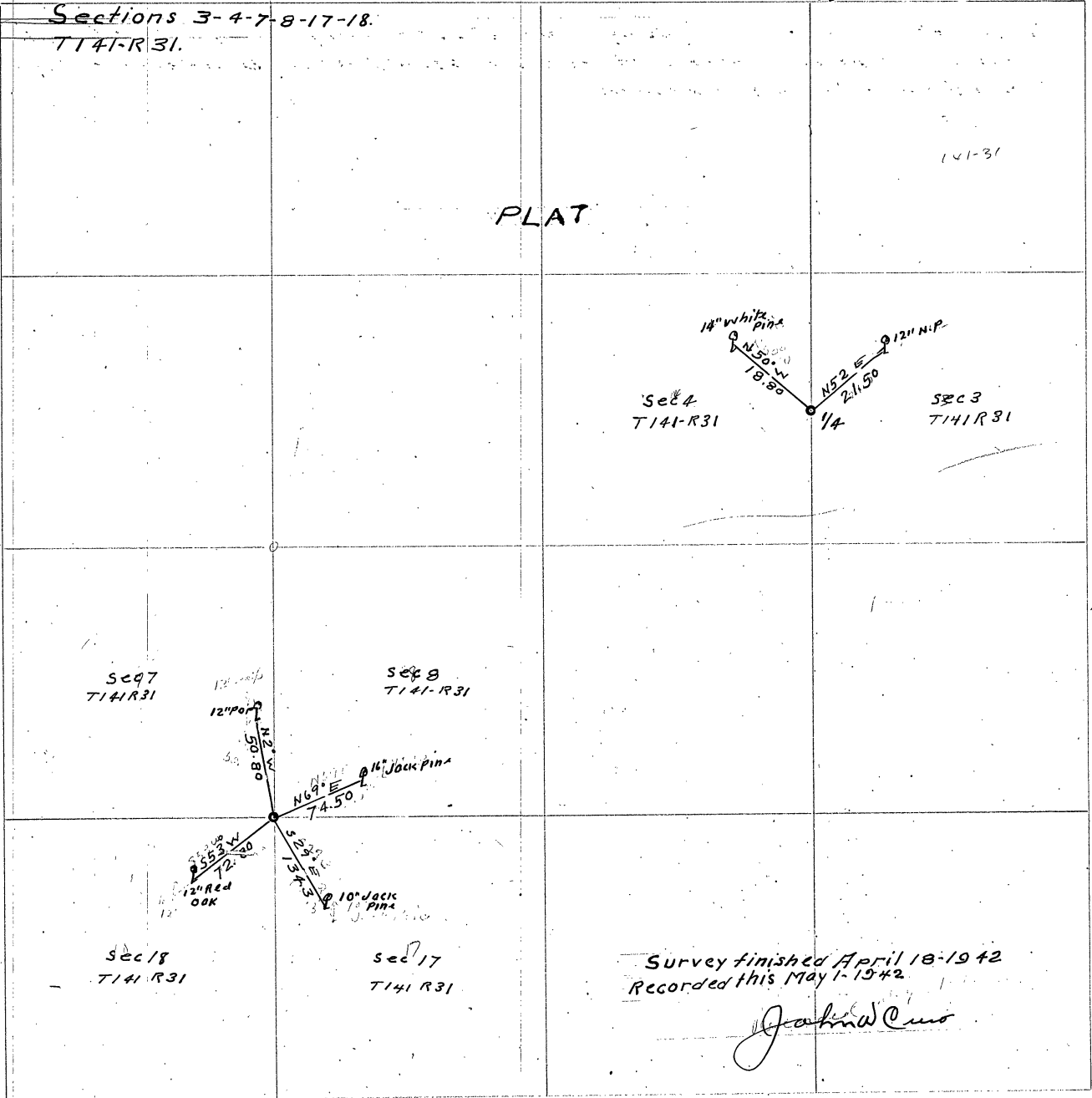
T.A. 14

No 595

Sections 3-4-7-8-17-18.

T141-R31.

PLAT



Survey finished April 18-1942
Recorded this May 1-1942

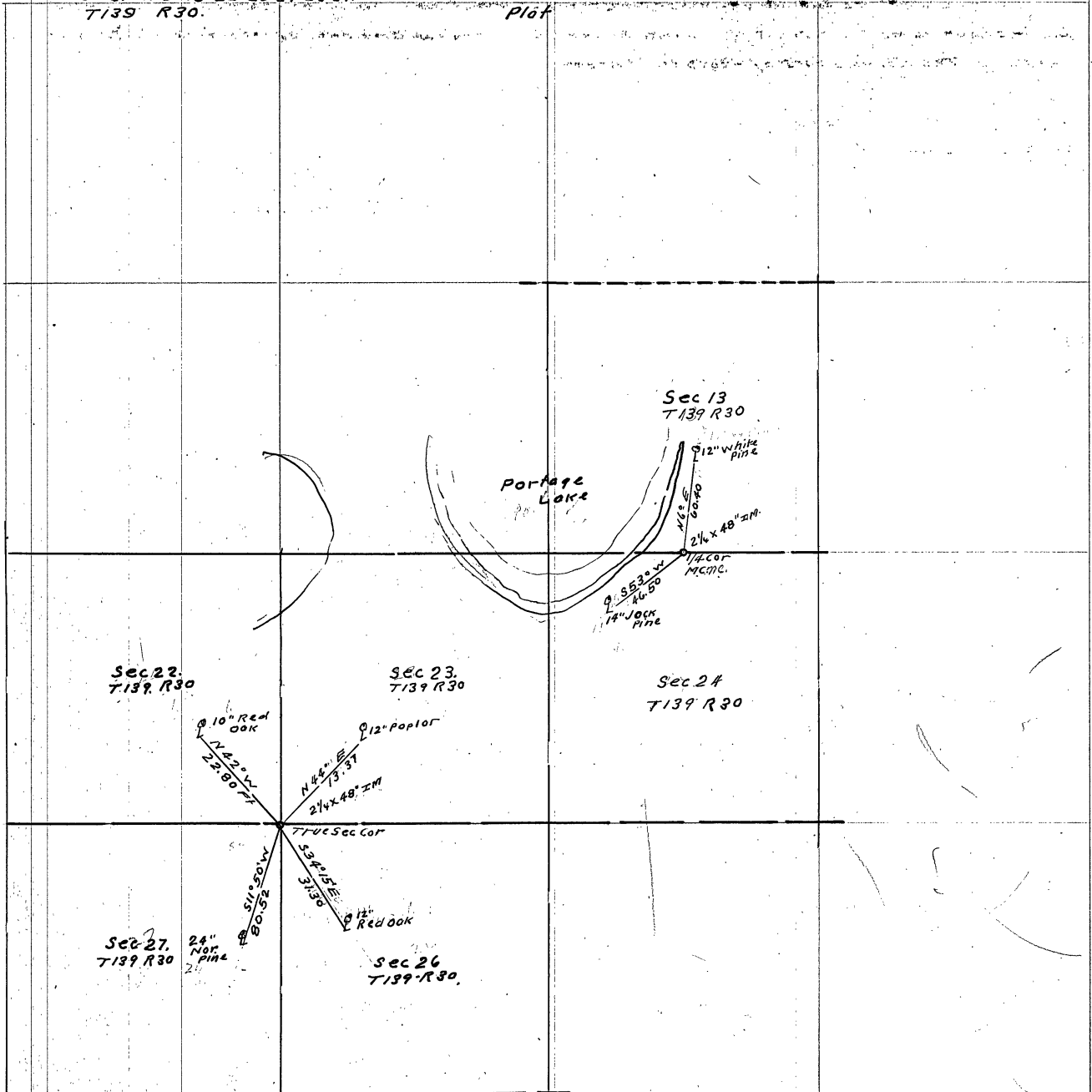
John W. Curo

139-30

Sections 13, 22, 23, 24, 26, 27.
T139 R30.

Record No 596.

Plot



Sections 13-22-23-24-26-27

T. 139 R. 30 - 5th PM

Field Notes

Field notes of the survey made by John W. Curo, County Surveyor, Cass County, Minnesota in the above named sections as shown by the annexed plat on page 298 of this Book "D" are correct. The plat is a part of these field notes

Surveyed April 5th 1942

Recorded July 1st 1942.

John W. Curo
County Surveyor.

Sections 20, 21, 28, 29, 32, 33
T139 R 29

Field Notes

Field notes of the survey made by John W. Curo, County Surveyor, Cass County, Minnesota, in the abovenamed sections as shown by the annexed plat on page 301 of this Book "D" are correct. The plat is considered a part of these field notes.

Surveyed June 20 to 24th 1942

Recorded July 1-1942.

John W. Curo
County Surveyor

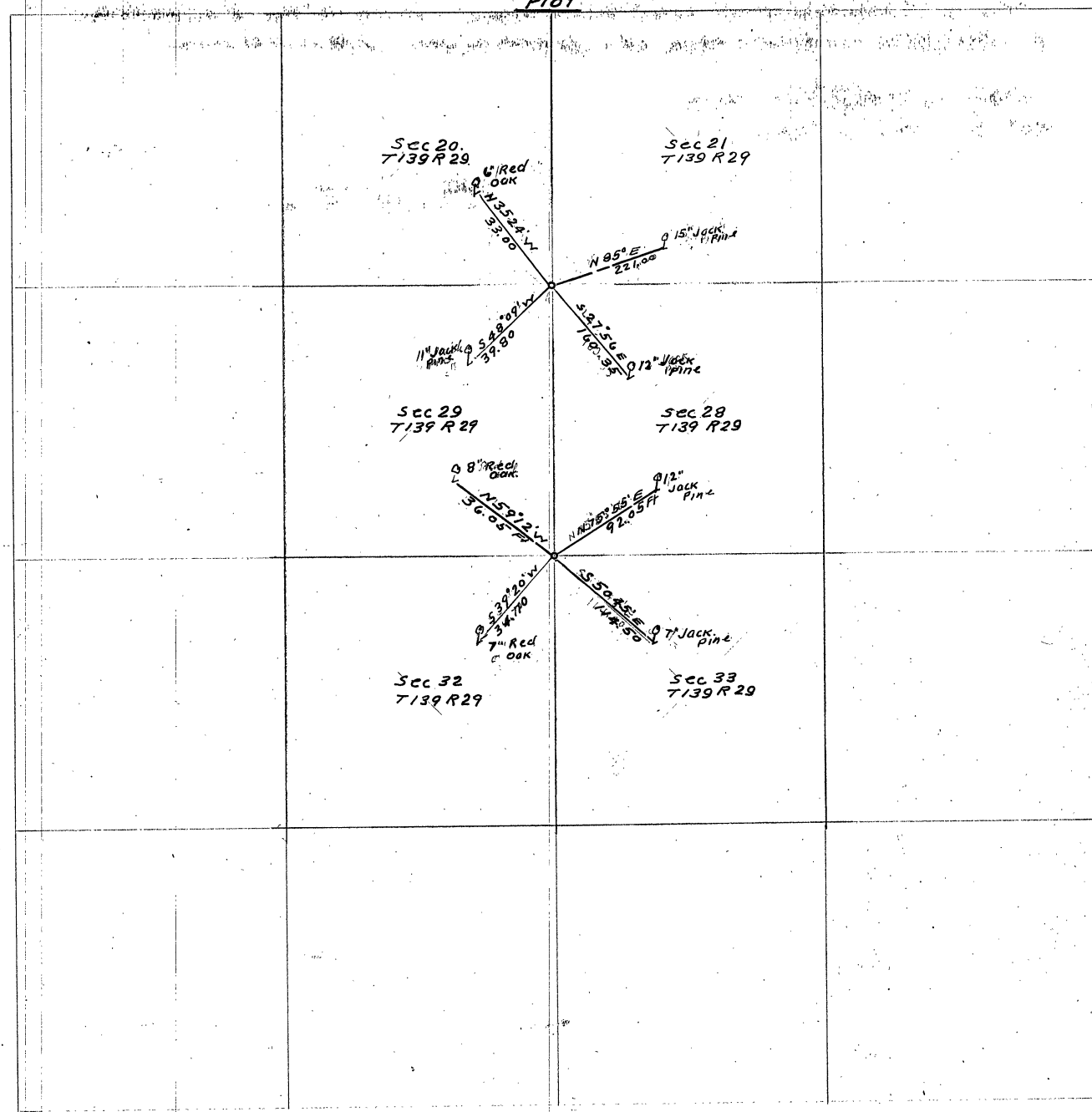
D

139-29

Sections 20, 21, 28, 29, 32, 33
T. 139. R. 29.

597

Plot



Sections: 20, 21, 28, 29

Record No. 598.

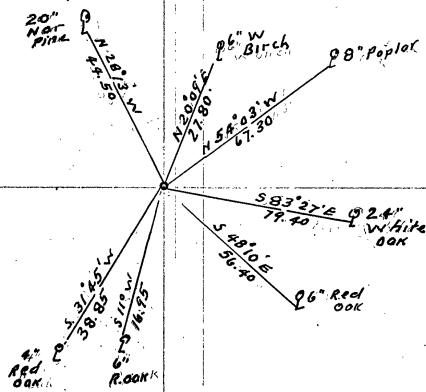
Twp 140 R 28

Sec. 20.
Twp 140 R 28.
140

Sec. 21
Twp 140 R 28.

Sec. 29
Twp 140 R 28.

Sec. 28
Twp 140 R 28



Sections: 20, 21, 28, 29
T. 140 R. 28

Field Notes

Field notes of the survey made by John W. Curo, County Surveyor, Cass County, Minnesota, in the above named sections as shown by the annexed plat on page 302 of this book "D" are correct. Plat is a part of these field notes

Surveyed June 22 1942

Recorded July 13th 1942.

John W. Curo
county surveyor

Sections: 4. 5. 6. 8. 9. T 140 R 27

Record No. 599.

" 31. 32. 33. T 141. R 27

Field Notes

Field notes of the survey made by John W. Curo, County Surveyor, Cass County, Minnesota in the above named sections as shown by the annexed plat on page 305 of this Book "D" are correct. The plat is considered a part of these field notes.

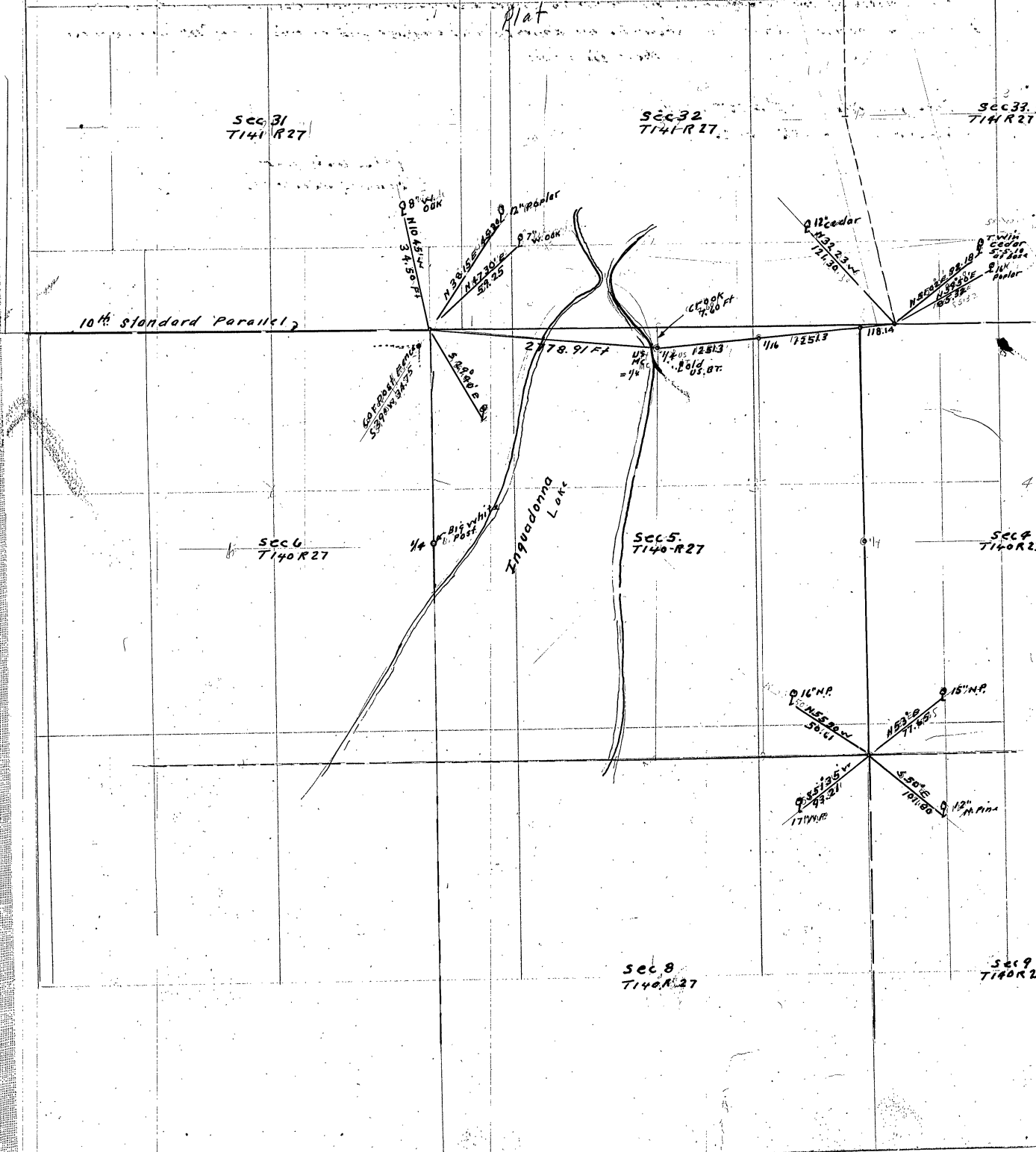
Surveyed May 20th to 26th 1942.

Recorded July 13th 1942.

*John W. Curo
County Surveyor.*

140-27
141

No 599



Sec 31
T140 R27

Sec 32
T140 R27

Sec 33
T140 R27

10th standard Parallel

Sec 6
T140 R27

Sec 5
T140 R27

Sec 4
T140 R27

Sec 8
T140 R27

Sec 9
T140 R27

Alat

Inquadonna
Lake

Creek

12 Cedar

Willow
Cedar
Sycamore
Oak
Poplar

60' Poplar
53' 7" Oak

1/4 8' 1" Post

1/4 12513
Bald
03.07

10' 10" NP
10' 10" NP

15' 10" NP

12' 10" NP
17' 10" NP

12' 10" NP
10' 10" NP

10' 10" NP
31.50' 12" Oak

N 28° 15' E 40.00' 12" Poplar

12" Poplar

2778.91 FT

116 12513

118.14

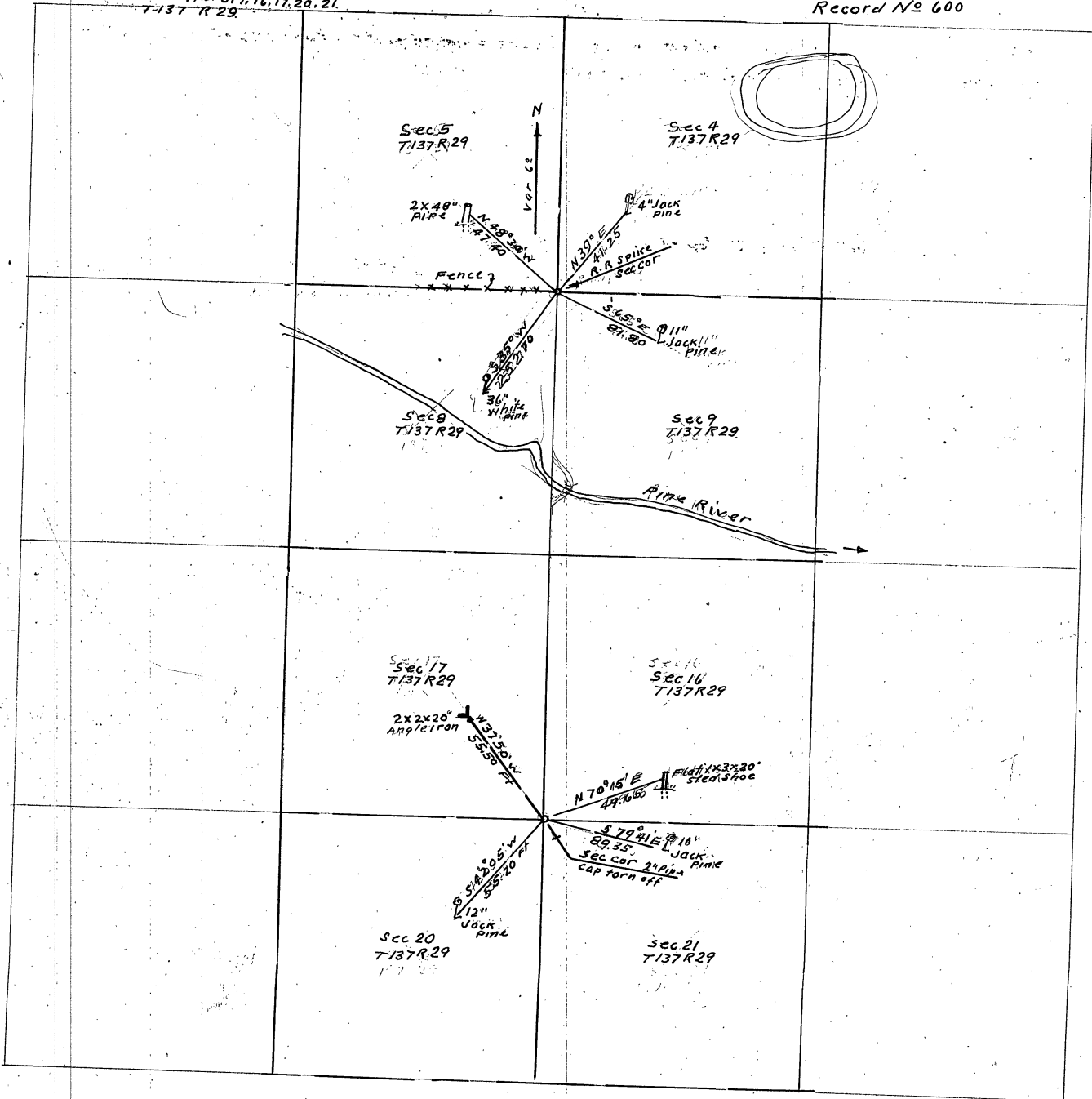
4

N 600

Sections: 4, 5, 8, 9, 16, 17, 20, 21.
T137 R29

Plot

Record No 600



Survey No 600
Cass Co Minn

Sections 4-5-8-9-16-17-20-21

T 137 R 29

Field Notes

Field notes of the survey made by John W. Curo, County Surveyor, Cass County, Minnesota in the above named sections as shown by the annexed plat on page 306 of this Book "D" are correct This plat is considered a part of these field notes

Surveyed October 5th 1942
Recorded this 5th day of October 1942

John W. Curo
County Surveyor

Survey Record No 601**Field Notes**

Sections 8-9-16-17 T138 R29

and

Sections 19-20-29-30. T138 R29

Field notes of the survey made by John W. Curo, County Surveyor, Cass County, Minnesota in the above named sections as shown by the annexed plat on Page 309 of this Book "D" are correct. The plat is considered a part of these field notes.

Surveyed October 4th 1942

Recorded this 5th day of October 1942.

John W. Curo
County Surveyor Cass Co Minn

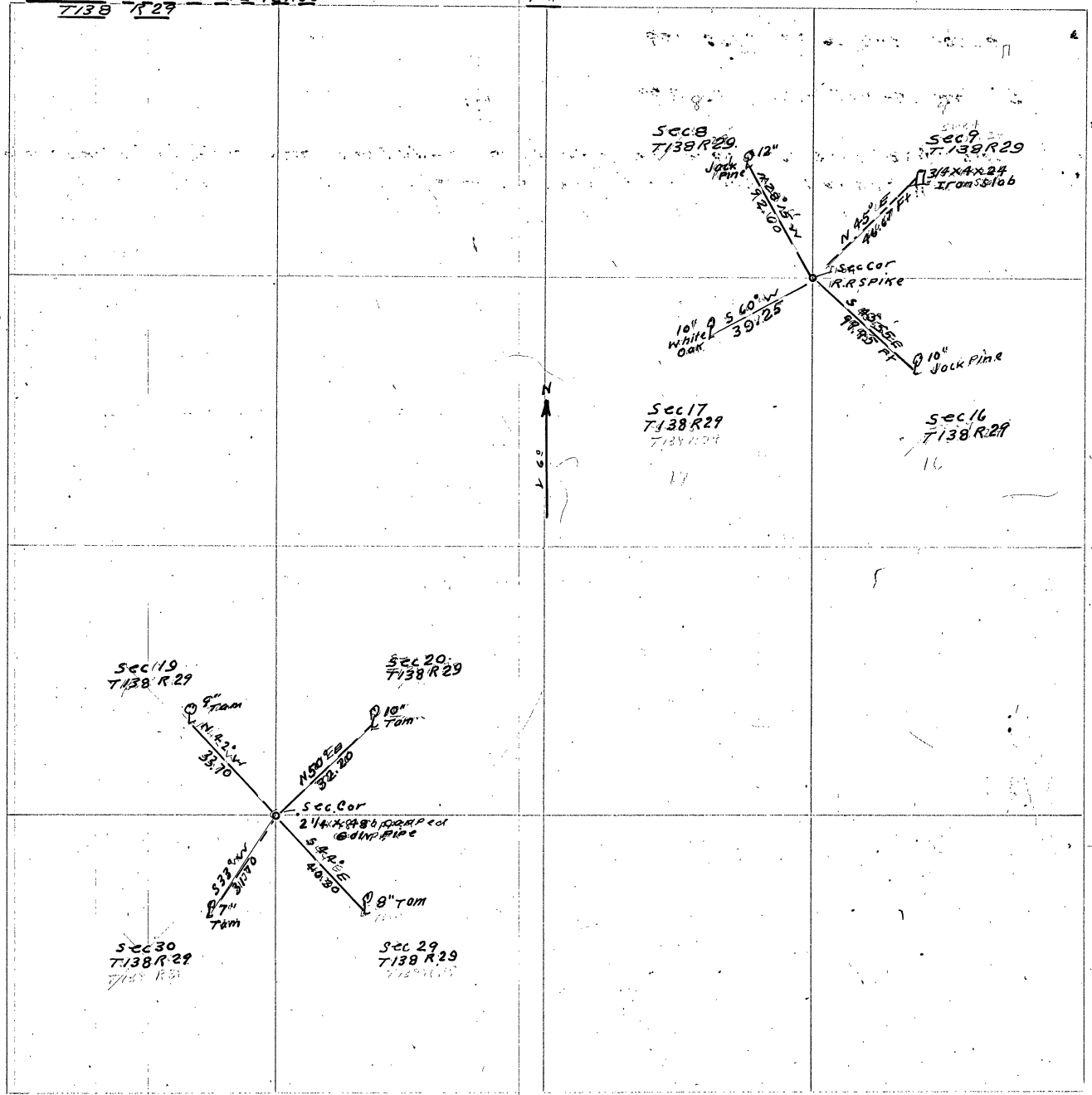
138-29 601

plat

Record No 601

Sections 8, 9, 16, 17, 19, 20, 29, 30
T138 R29

plat

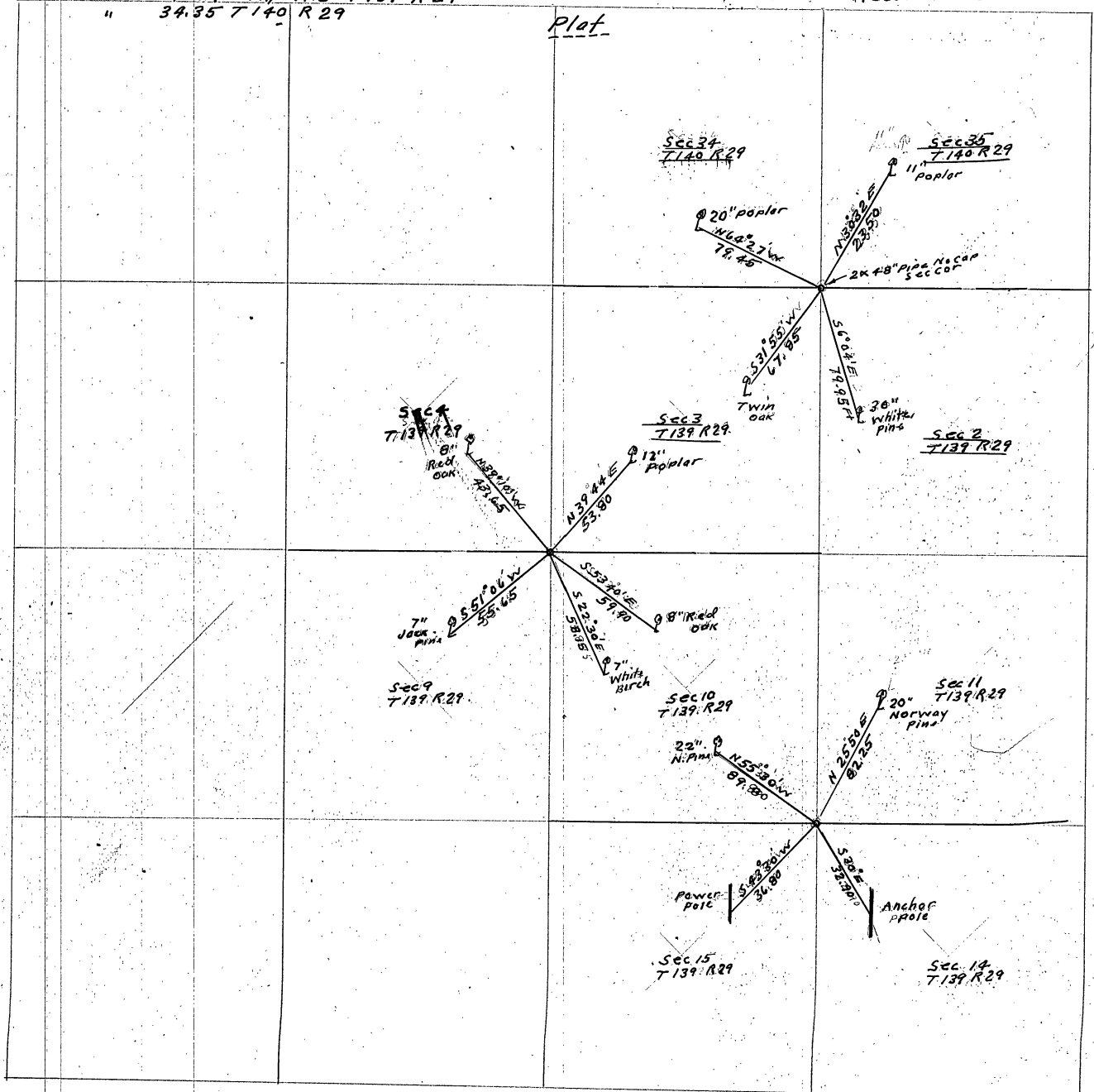


139-29
60140-29
Book 414

Sections 2, 3, 4, 9, 10, 11, 14, 15 T 139 R 29
" 34, 35 T 140 R 29

Record No 602

Plat



Survey Record No 602**Field Notes**

Sections 2-3-4-9-10-11-14-15 T139 R9 29
and Sections 34-35 T140 R9 29

Field notes of the survey made by John W. Curo, County Surveyor, Cass County, Minnesota, in the abovenamed sections as shown by the annexed plat on page 310 of this Book "D" are correct. This plat is considered a part of these field notes

Surveyed August 7-1942
Recorded this 5th day of October 1942

John W. Curo
County Surveyor Cass Co. Minn

Survey Record No. 603**Field Notes.**

Sections 2-3-10-11-14-15 T135 R930
and Sections 34 & 35 T136 R930

Field notes of the survey made by John W. Curo, County Surveyor, Cass County
Minnesota in the above named sections as shown by this annexed plat on page 313 of this Book "D"
are correct. This plat is a part of these field notes

Surveyed July 3-1942
Recorded this 5th day of October 1942.

John W. Curo
County Surveyor Cass Co. Minn

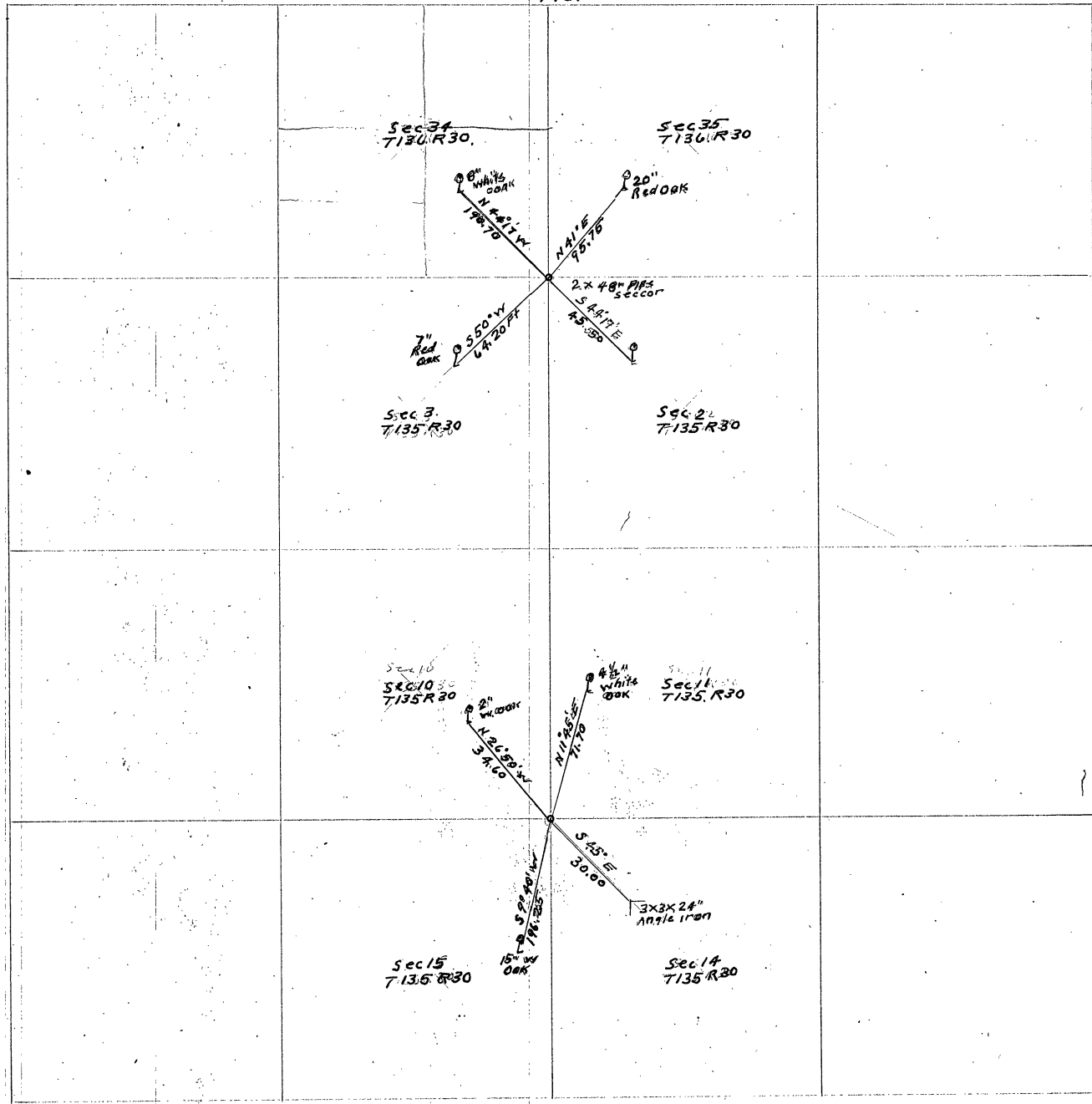
135 50
136 600

D

Sections 2, 3, 10, 11, 14, 15 T. 135, R. 30.
34, 35 T. 136, R. 30.

Record No 603

Plat

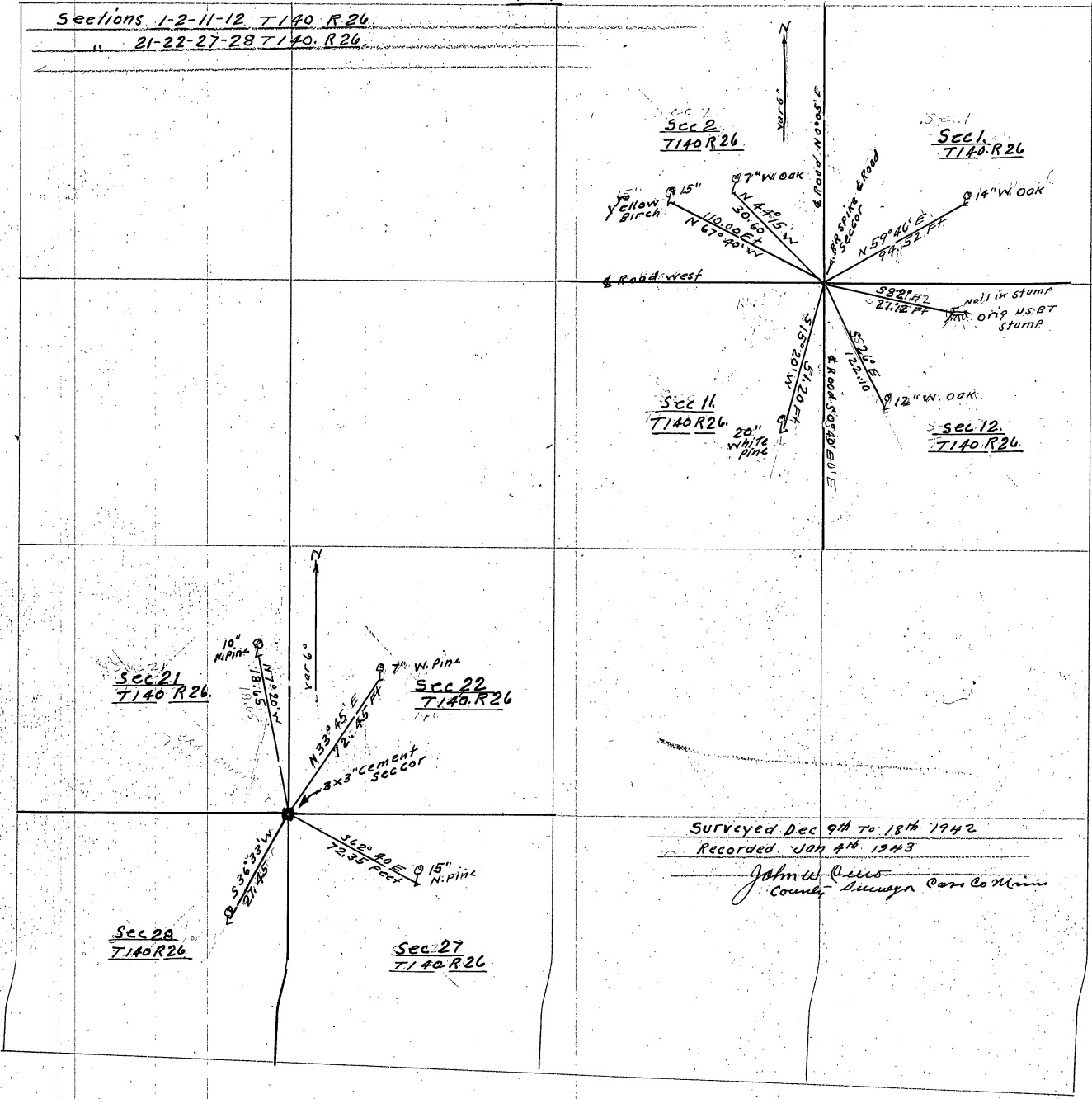


Plot

Survey Record No 604

Sections 1-2-11-12 T140 R26

21-22-27-28 T140. R26



Surveyed Dec 9th to 18th 1942

Recorded Jan 4th 1943

John W. Davis
County Surveyor Cass Co Minn

Record No 604
Cass Co Minn

Sections 1-2-11-12 T 140 R 26
and
Sections 21-22-27-28 T 140 R 26

Field Notes

Field Notes of the survey made in the above sections as shown by the plat on Page 314 of this Book "D" are correct. The plat is considered a part of these notes.

The survey made in Sections 21-22-27-28 T 140 R 26 was made Dec 9th 1942 to establish lines of land owned by Mr M. F. Leighton and the survey made in Sections 1, 2, 11, 12, T 140 R 26 was made Dec 18th 1942 to establish Lines of land owned by Fred Hawes.

The object of this record is to hold for all time, the location of the original government corners with as little expense as possible for the recording of the same.

These notes and the plat herewith annexed are absolutely correct.

Survey made Dec 9th 1942 to Dec 18th 1942
Recorded this 4th day of January 1943

John W. Cullis
County Surveyor, Cass Co, Minn

Record No 605

Field Notes

Sections:

21-22-27-28 T141. R31.

Field notes of the survey made by John W. Curo, County Surveyor of Cass County, Minnesota in the above named sections as shown by the annexed plot on page 317 of this Book "D" are correct

This plot is a part of these field notes

Surveyed March 5th 1942

Recorded this 4th day of January 1943

John W. Curo
County Surveyor

D

141-31

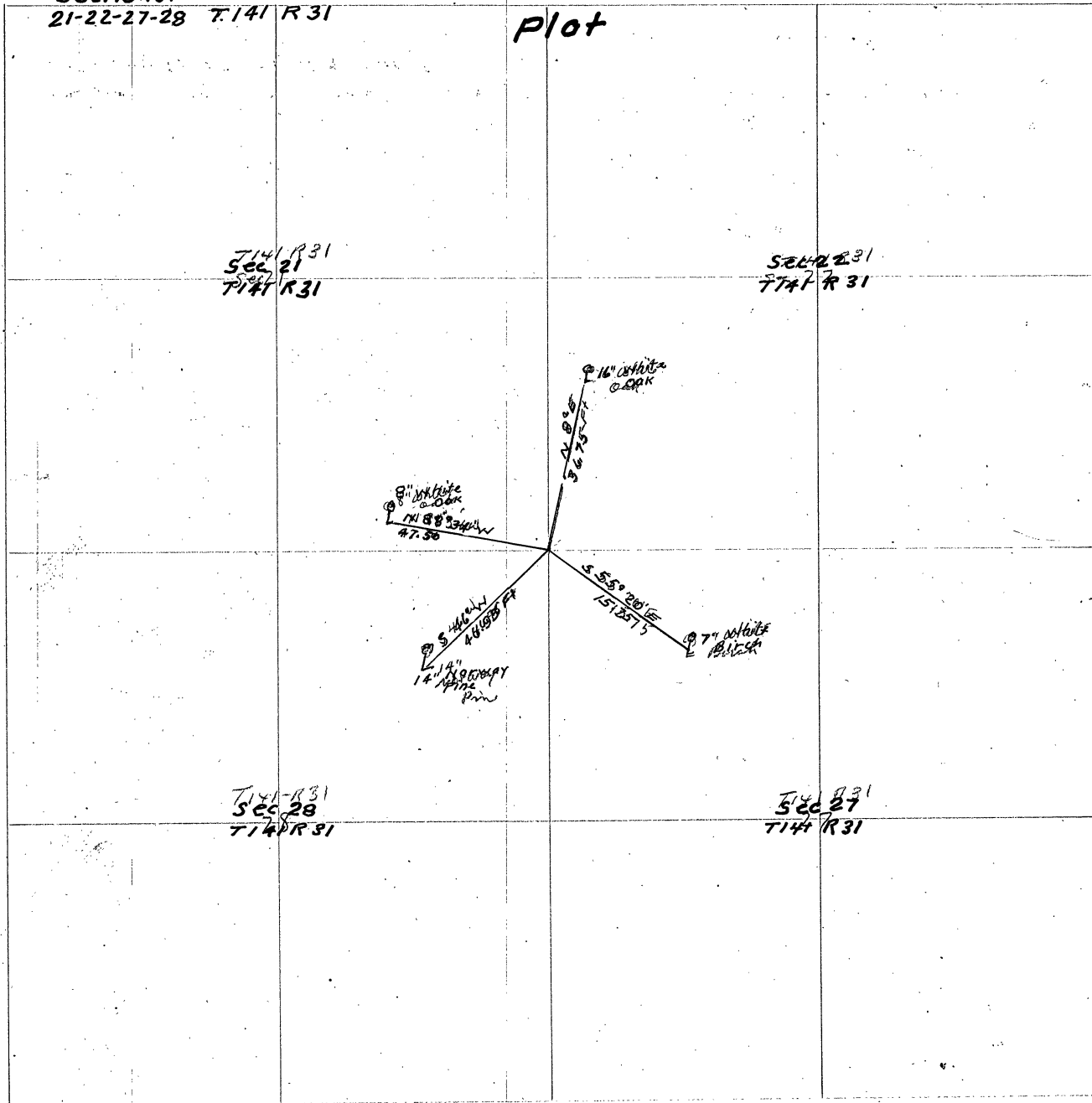
605

sections:

21-22-27-28 T141 R31

Record No 605

Plot



Sections 21-22-27-28
T138 R30

Record No 606

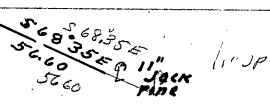
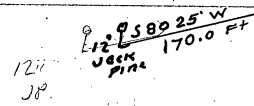
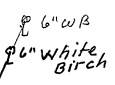
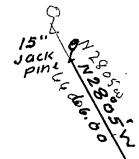
Plot

Sec 21
T138 R30
21

Sec 22
T138 R30
22

138-30

15JP



Sec 28
T138 R30

Sec 27
T138 R30

27
138-30

D

138-30

606

Record No 606

606

Field Notes

Sections:

21-22-27-28 T138 R30

Field notes of the survey made by John W. Curo, County Surveyor, Cass County, Minnesota in above named sections as ~~are~~ shown by the annexed plot on page 318 of this Book "D" are correct

This plot is a part of these field notes

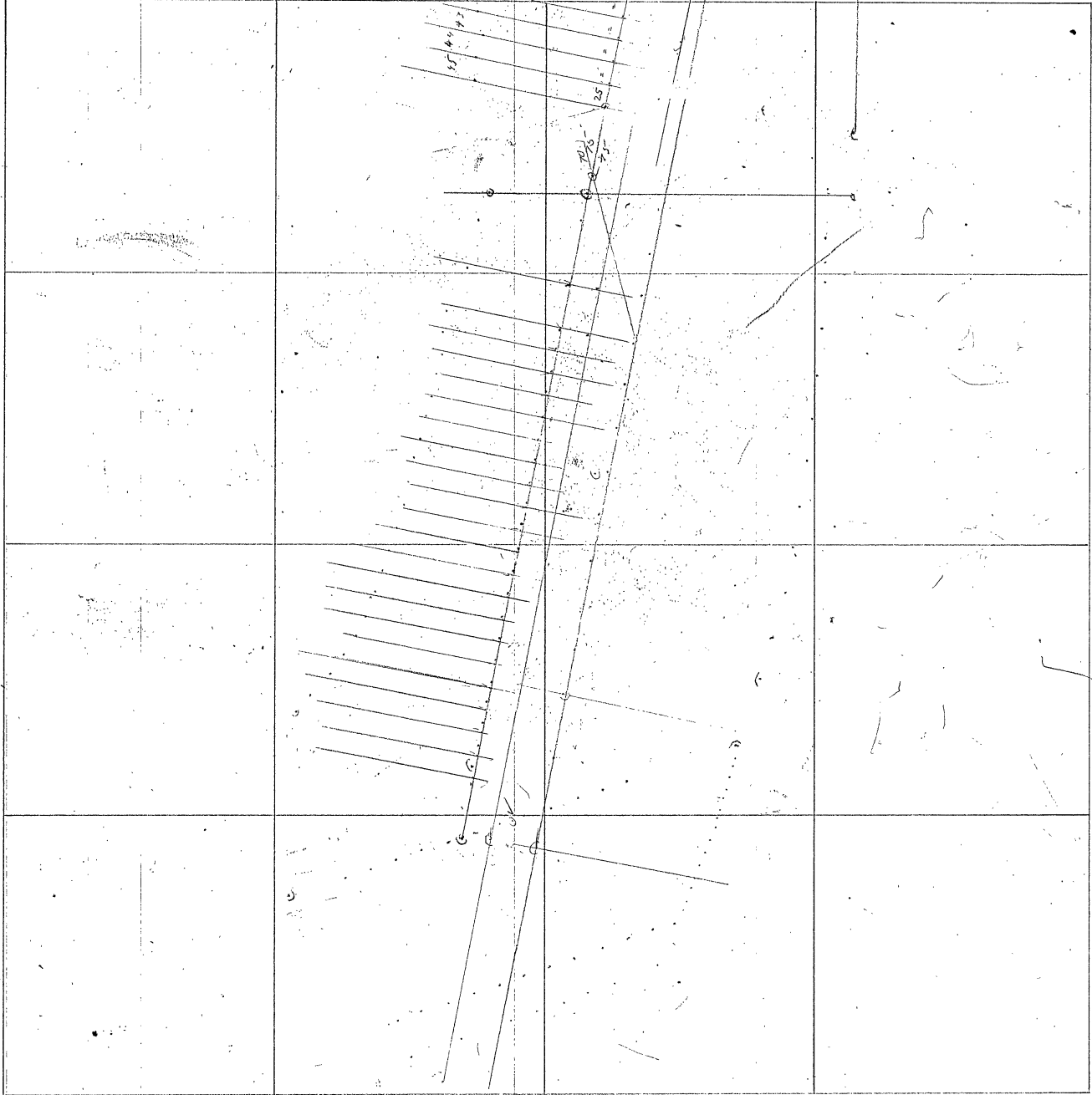
Surveyed Nov 29 1942

Recorded this 4th day of January 1943

John W. Curo
County Surveyor

PAGE 320 IS BLANK

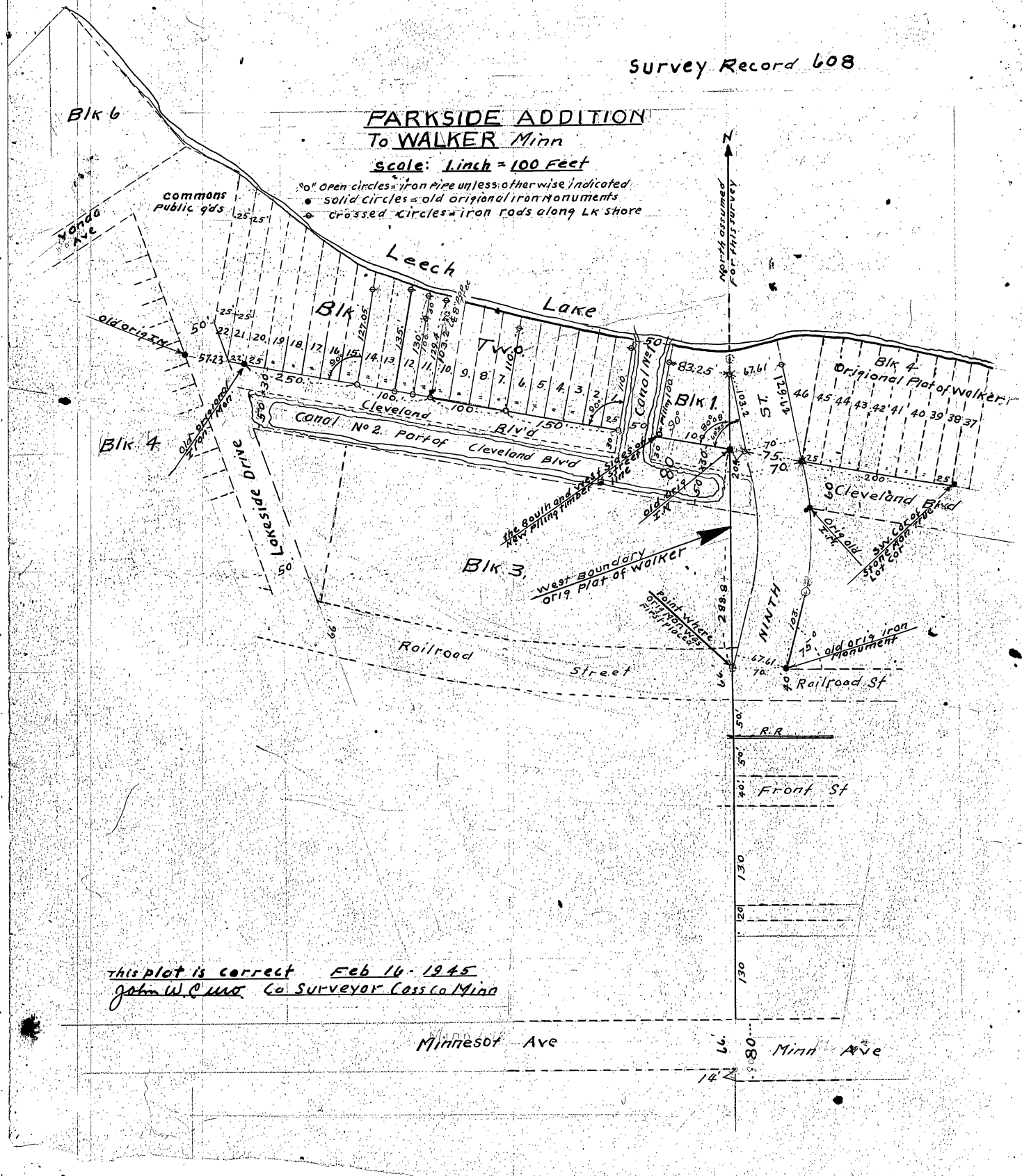
607 607



PARKSIDE ADDITION TO WALKER Minn

Scale: 1 inch = 100 Feet

- Open circles = iron pipe unless otherwise indicated
- Solid circles = old original iron monuments
- ⊗ Crossed circles = iron rods along LK shore



This plot is correct Feb 16, 1945
 John W. C. [unclear] Co. Surveyor Cassia Minn

Minnesota Ave

Minn Ave

D

Field NotesSurvey Record No 608
Cass County, MinnesotaPARKSIDE ADDITIO TO WALKER
CASS Co Minn

Lots 1, 2, 3, 4, 5, 6 - 11, 13, 14 Block (2) Two. Also: All of Block One (1) and Ninth St
Having been employed by Mr G. E. Hall to survey Lots 1, 2, 3, 4, 5, 6, 11, 13 and 14 all in Block 2,
also to survey all of Block 1, and a part of Ninth Street, all in the Plat of Parkside Addition To
Walker, Minnesota, as filed and of record in the Office of the Register of Deeds, Cass County,
Minnesota, I have to report as follows:

As I am the man who in the year 1916 made the original Survey of said Addition and of
which time I carefully and accurately placed iron monuments at various corners in said plat, my first work
in this second survey was to re-locate my old monuments. By a careful survey of almost the entire tract I located
my old original monuments from which I have set the corners and run the lines as shown by the annexed plat on Page 322
of this Book 'D'

Surveyed
Nov 1st 1944 To Feb 10-1945

Recorded February 16-1945

John W. Curo
County Surveyor Cass Co., Minn
Minn Reg No 1428

Sections 21-22-27-28-31-32-33 T. 140 R. 28
" 4-5-6 T. 139 R. 28

Survey Record No 609

Field Notes

Field notes of the survey made by John W. Curo, County Surveyor,
Cass County, Minnesota, in the above named sections as shown by
the annexed plat on page 325. County record book of surveys "D"
are correct.
This plat is a part of said field notes:

Surveyed

Recorded this 1st day of January 1947

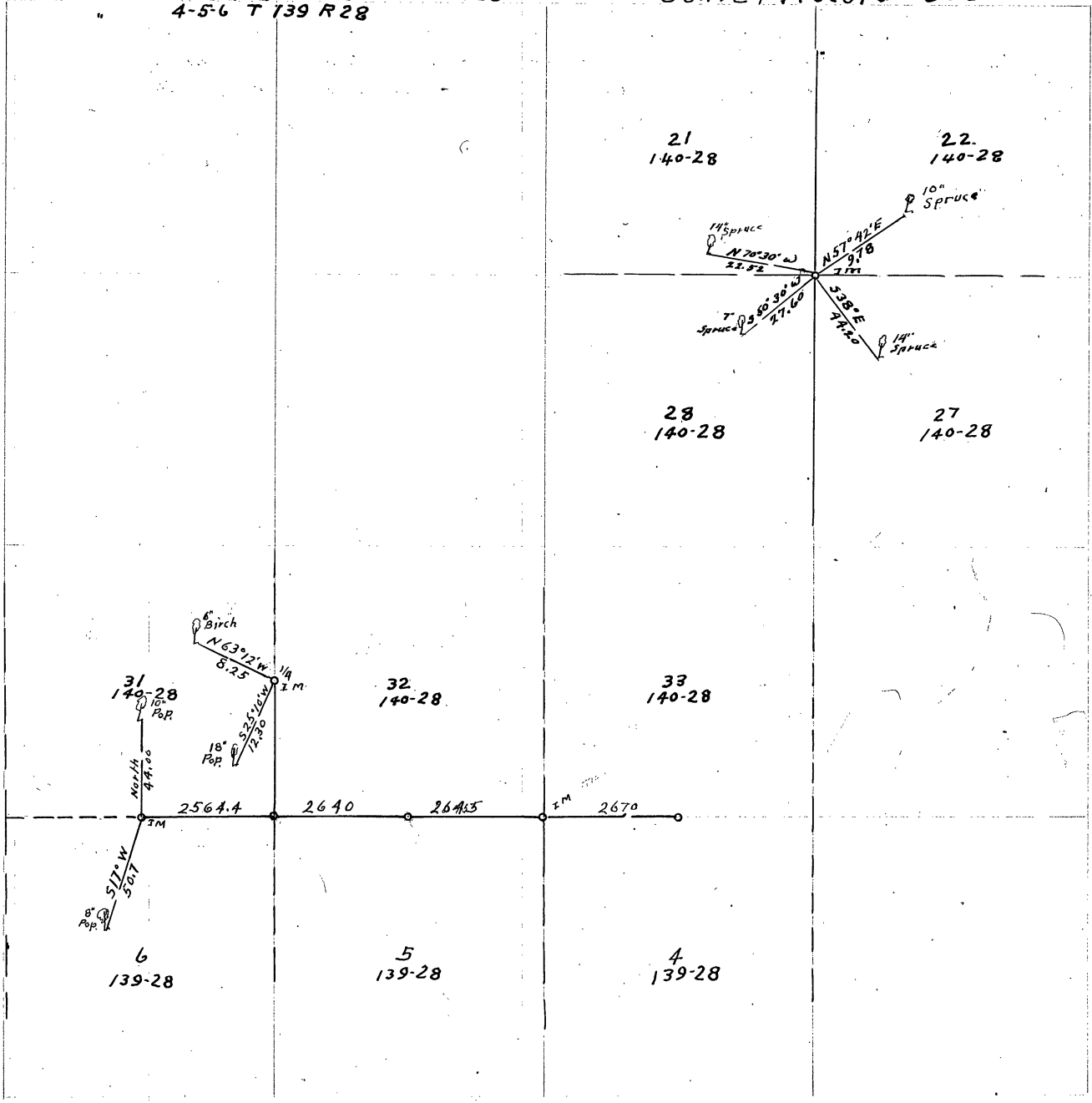
D

609

139-28
140

Sections 21-22-27-28-31-32-33 T140 R28
4-5-6 T139 R28

SURVEY Record 609



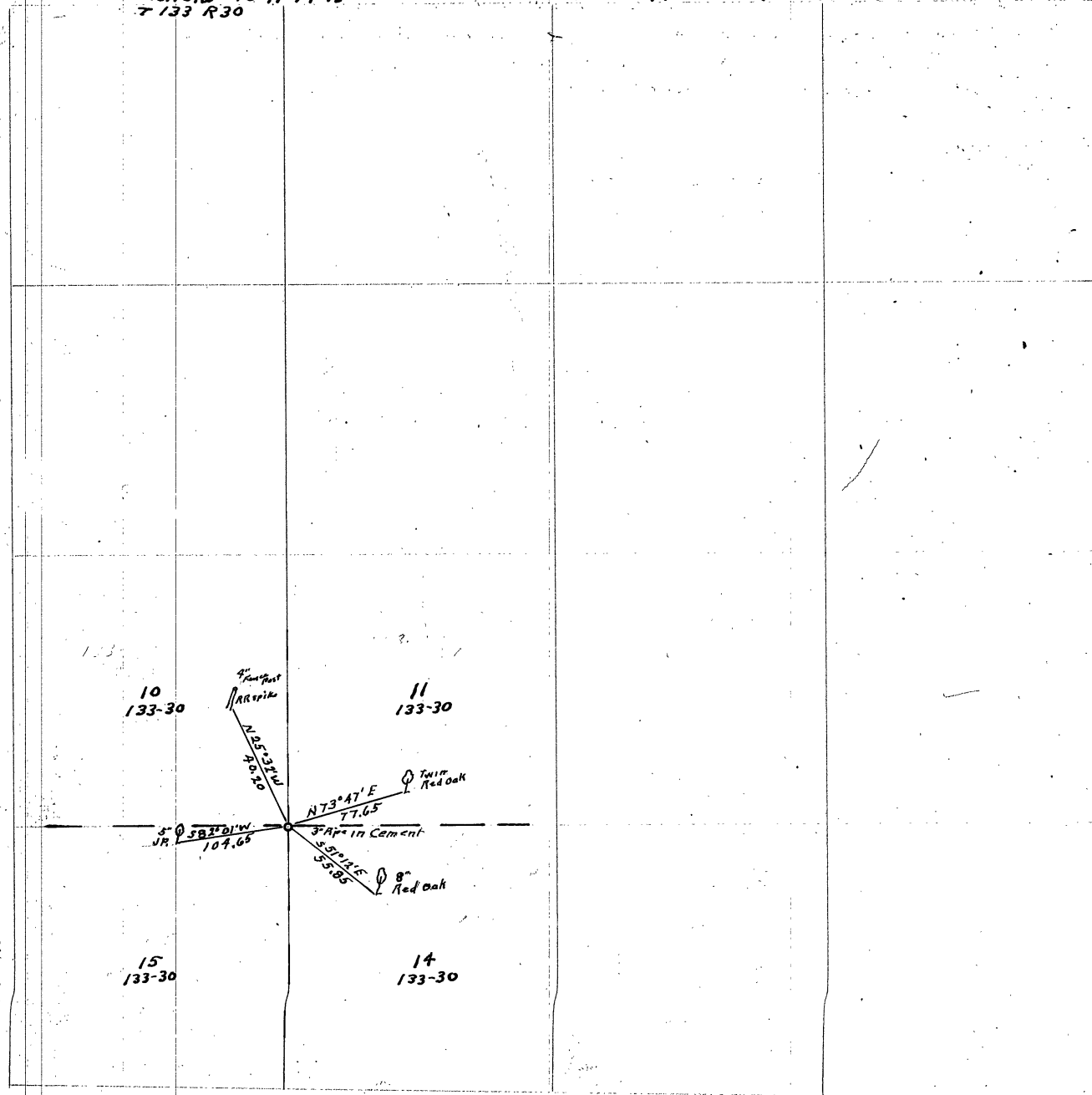
610

D

133-30

Sections 10-11-14-15
T 133 R 30

Record No 610



D

Sections 10-11-14-15 T.133 R.30

SURVEY RECORD N^o 610

Field Notes

Field notes of the survey made by John W. Curo, County Surveyor, Cass County, Minnesota in the above named sections as shown by this annexed plat on page 326 of this county record book "D" are correct
This plat is a part of said field notes

Surveyed

Recorded this 2nd day of January 1947

Sections 32-33-T.140 R.29
" 4-5-29-30 T.139 R.29.

SURVEY RECORD No 611

Field Notes

Field notes of the survey made by John W. Curo, County Surveyor,
Cass County, Minnesota, in sections 32 and 33 T.140 R.29 and sections
4, 5, 29 and 30 T.139 R.29, as shown by the annexed plat on page 329
in county record book "D" are correct
This plat is a part of said field notes;

Surveyed

Recorded this 3rd day of January 1947

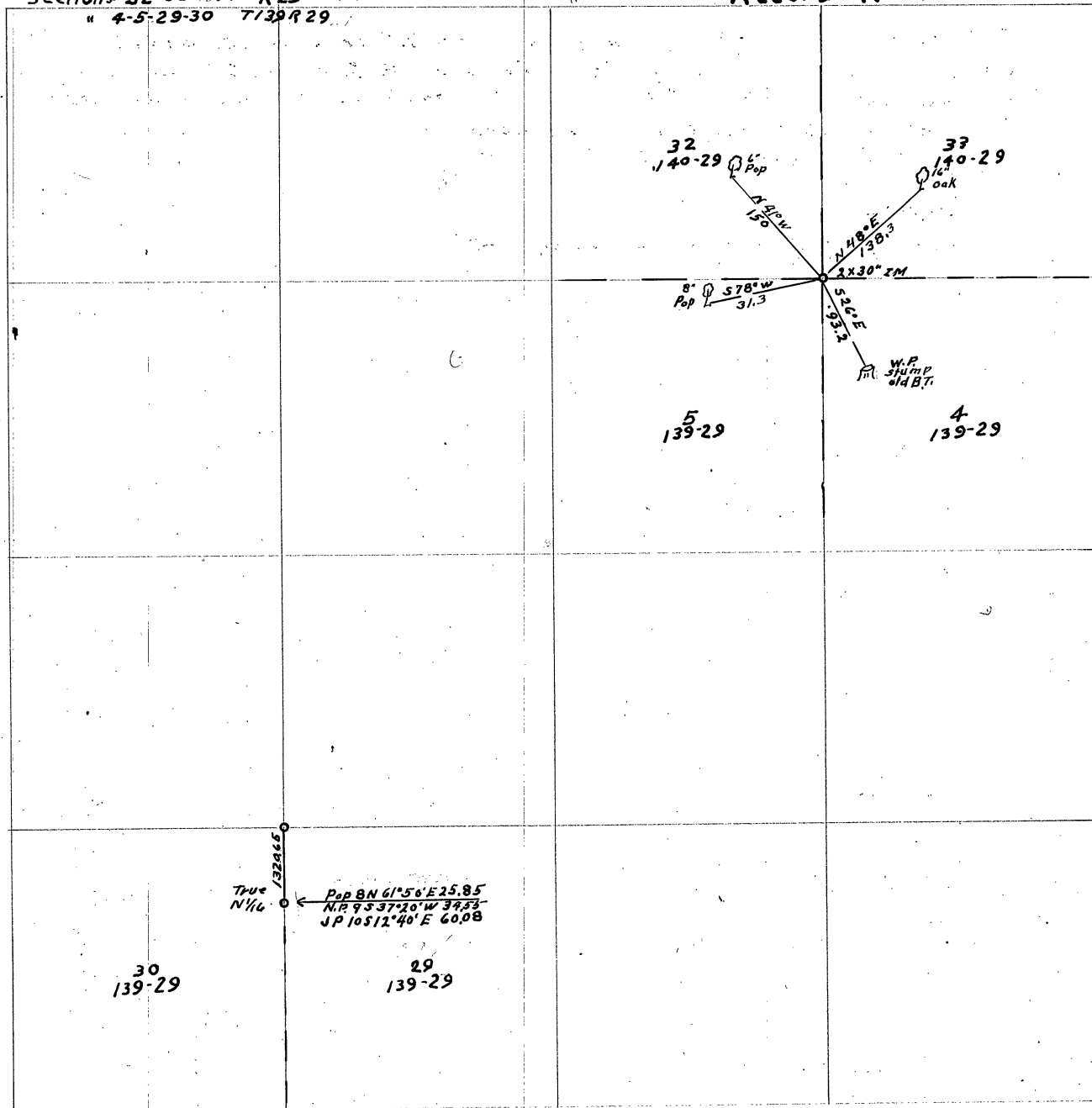
D

611

139 29
140 29

Sections 32-33 T140 R29
W 4-5-29-30 T139 R29

Record No 611

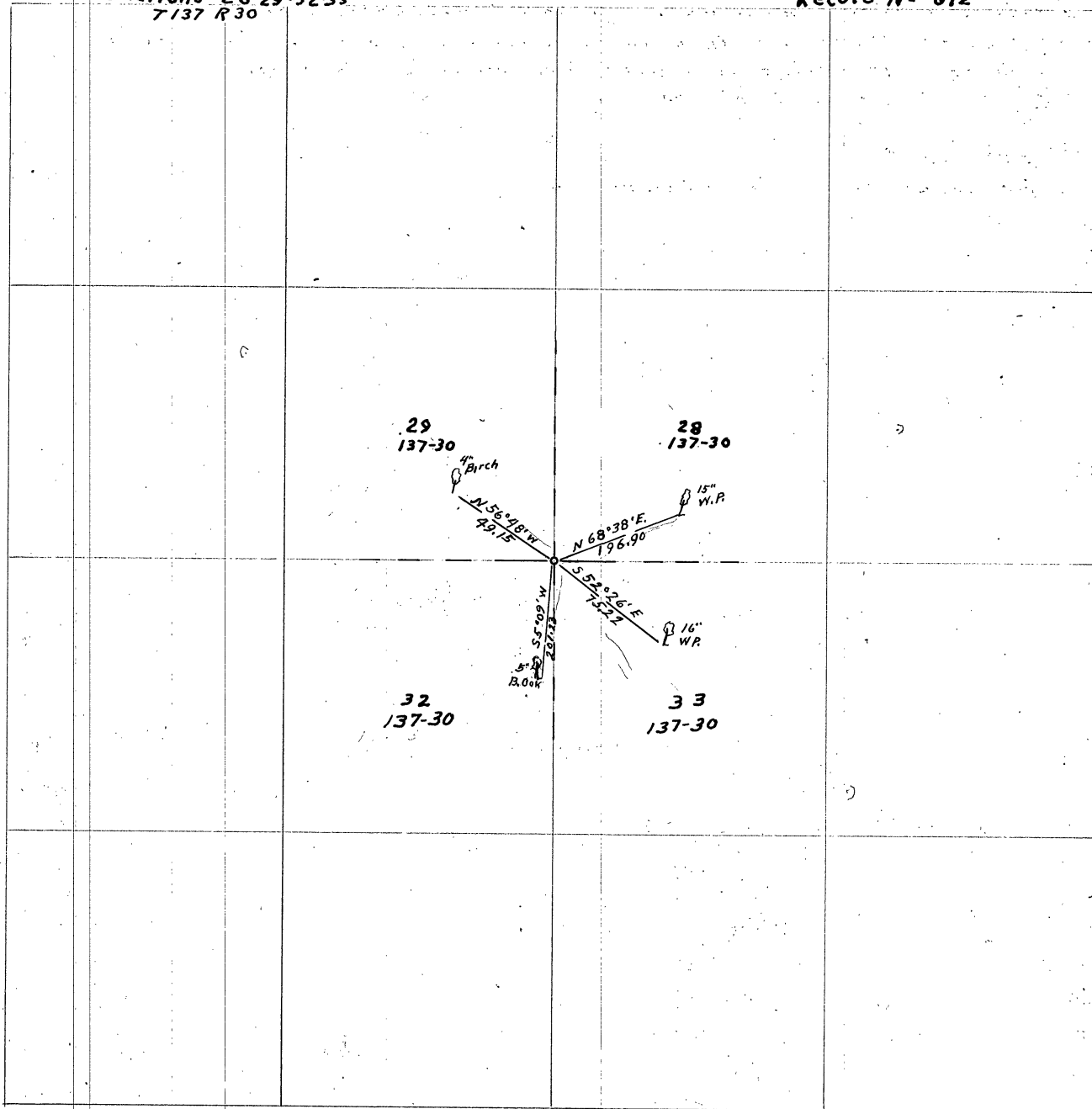


612

D

Sections 28-29-32-33
T137 R30

Record No 612



D

Sections 28-29-32-33
T 137-R 30

Record N^o 612

Field Notes.

Field notes of the survey made by John W. Curo, County Surveyor of Cass County, Minnesota in the above named sections as shown by the annexed plat on page 330 of this county record book of surveys "D" are correct
This plat is a part of said notes

Surveyed

Recorded this 4th day of January 1947

Sections 3-4-5-6 T 140 Rg. 30

Survey Record No 613

Sections 31-32-33-34 Township 141 Rg. 30

Cass County Minnesota

Field Notes

Field notes of the survey made by John W. Curro County Surveyor of Cass County Minnesota in the above named sections as shown by the annexed plat on page 333 of this book "D" are correct. This plat is a part of said survey

Surveyed

Recorded this 6th of January 1947

County Surveyor

Cass Co. Minnesota

Beginning at an iron post on the east shore of Ten Mile Lake being the U.S. Meander corner on the 10th standard Parallel between sections 6 and 31 between Townships 140- Rg. 30 and Twp. 141 Rg. 30 run East, assumed. All hubs are 60# spikes

East: @ 212.8 hub; 289.8 centerline of State Highway; at 523.9 hub; at 530 enter a round wet marsh; @ 605.14; at 683.6 Hub; Ties Red Oak 5' N 13 deg. + 30' E 10.20 Twin Red Oak 8 + 9 inch S 83° 50' E 30.30 ft @ 847.50 hub; ties White Oak 7 North 2.50 ft. 7 inch birch S 72° 30' E 8.20 ft @ 1182 enter wet swamp at 1397.50 hub; 20 feet east of swamp; Transit tower 1397.5 a 2 inch iron spike set by former County Surveyor John Green for the E 1/4 Sec 6-140-30 bears N 66° 36' W 56.30 ft + Continue S curve East 1867.2 hub; Ties viz; White Oak 6 N 63° 39' E 9.82 ft. 5 inch White birch bears S 50° 40' E 12.55 ft; Red Oak 7 + 8 inch 18" at base bears N 32° 34' W 29.25 ft at 2138.4 hub; Ties 5 inch White Oak N 51° 04' W 19.85 ft Birch Red Oak S 0° 39' W 31.8 ft. 2724.9 hub Ties viz; 6 inch Poplar N 52° 24' W 25.00 ft. 5 inch White Oak S 41° 12' W 26.10 ft. Old Iron C.C. bears S 1 deg W 7.3 ft New Closing Corner sets N 1 deg E. 49.6 ft.

Run south bet. sec. 5-6; at 1321.14 iron 1/4 sets West 34.23 ft.

Transit over new closing cor. run East: Ties to new closing corner:

Twin White Oak 8-9 inch bears N 20° 25' E 71.4 ft Ash 4 inch S 37° E 7.90 ft

5 inch White Oak S 66° 30' W 21.00 ft Turned from second random - Sta 0.0.

at 707.8 E hub; Ties 7 inch Red Oak N 67° 30' E 13.8 ft. Birch Poplar S 13° 42' E 22.8 ft.

979.10 hub 10 inch birch N 82° 10' W 19.20; 20 inch Red Oak S 49° 30' E 23.5 ft

1190.0 hub Ties 16 inch Norway Pine N 56° 12' W 23.10; 14 inch Norway S 57° W 21.60 ft

Continue East

1769.40 hub White Oak 6 inch S 31° 48' W 30.90; 4 inch White Oak N 41° 06' W 34.95

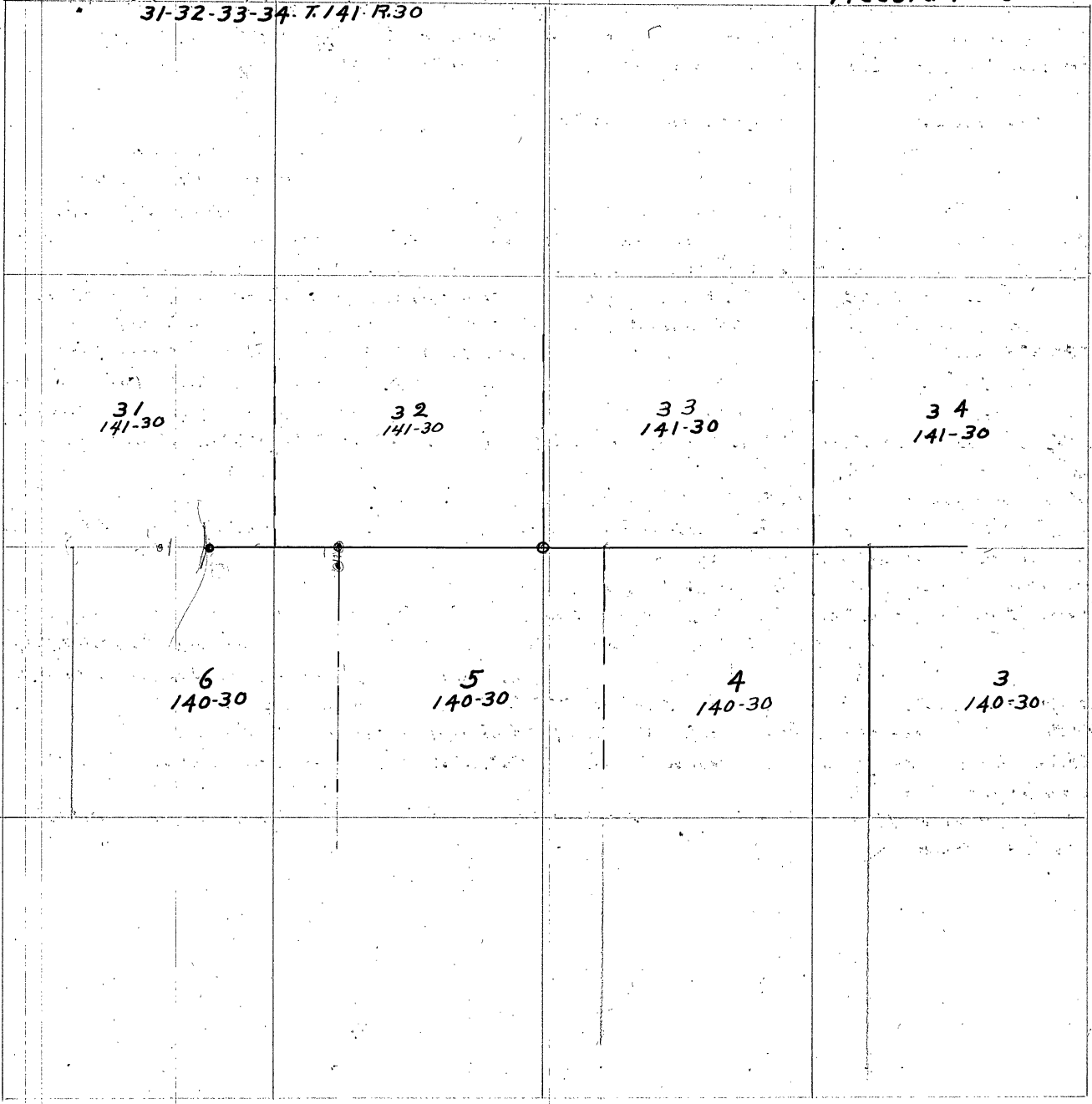
2214.8 hub

D

613 140 141 30

Sections 3-4-5-6 T.140 R.30
31-32-33-34 T.141 R.30

Record No. 613



First Record
Harb... Curo

D

334-P

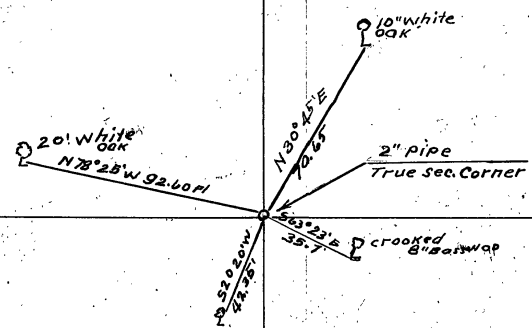
Survey Record No 614
Sections 26-27-34-35
Twp 140^N Rge 30^W of 5th P.M.

Sec 27
T.140-R.30

Sec 26
T.140.R.30

Sec 34
T.140 R.30

Sec 35
T.140-R30



Sections 26-27-34-35

Township 140^N Range 30^W of 5th P.M.

Survey Record No. 614

Cass County Minnesota

Field Notes

Field notes of the survey made by Harold J. Curo County Surveyor of Cass County Minnesota in the above named sections as shown by the annexed plat on page 334 of this County Record Book "D" are correct. This plat is a part of said field notes.

Surveyed Oct. 6, 1948

Recorded this 7th day of Oct. 1948

Harold J. Curo
County Surveyor

Sections 8-9-16-17-19-20-29-30
Twp. 140^N Range 27^W of the 5th P.M.

Survey Record No 615
Cass County Minnesota

Field Notes

Field notes of the survey made by Harold J. Curo County Surveyor Cass County Minnesota in the above named sections as shown by the annexed plat on page 337 in this book "D" County Record Book of Surveys are correct

At the corner to sections 8-9-16-17 Twp 140 Range 27 we pull up the wooden stake previously established by me from original U.S. bearing trees to mark the true section corner and in its place we drive a 2x30 inch iron pipe with new bearing trees as follows

Poplar 9" N 10 degrees E 8.20 feet in section 9.

12 inch Birch N 40 deg West 21.70 feet in section 8.

Poplar 9" S 50 deg. W 29.50 feet in section 17

Poplar 8 inch S 43 deg. E 31.00 feet in section 16

208

Going to the corner of sections 19-20-29-30 Twp 140^N Range 27^W Where we replace the old wood stake set for the true section corner with 2x20 inch iron pipe and mark new bearing trees as follows

8 inch Cedar N 65 deg. E 15.35 feet in section 20

9 inch Cedar N 70 deg W 20.60 feet in section 19

12 inch Cedar S 20 deg W 4.20 feet in section 30

10 inch Cedar S 80 deg E 29.50 feet in section 29

All in Township 140 Range 27 Cass County Minn

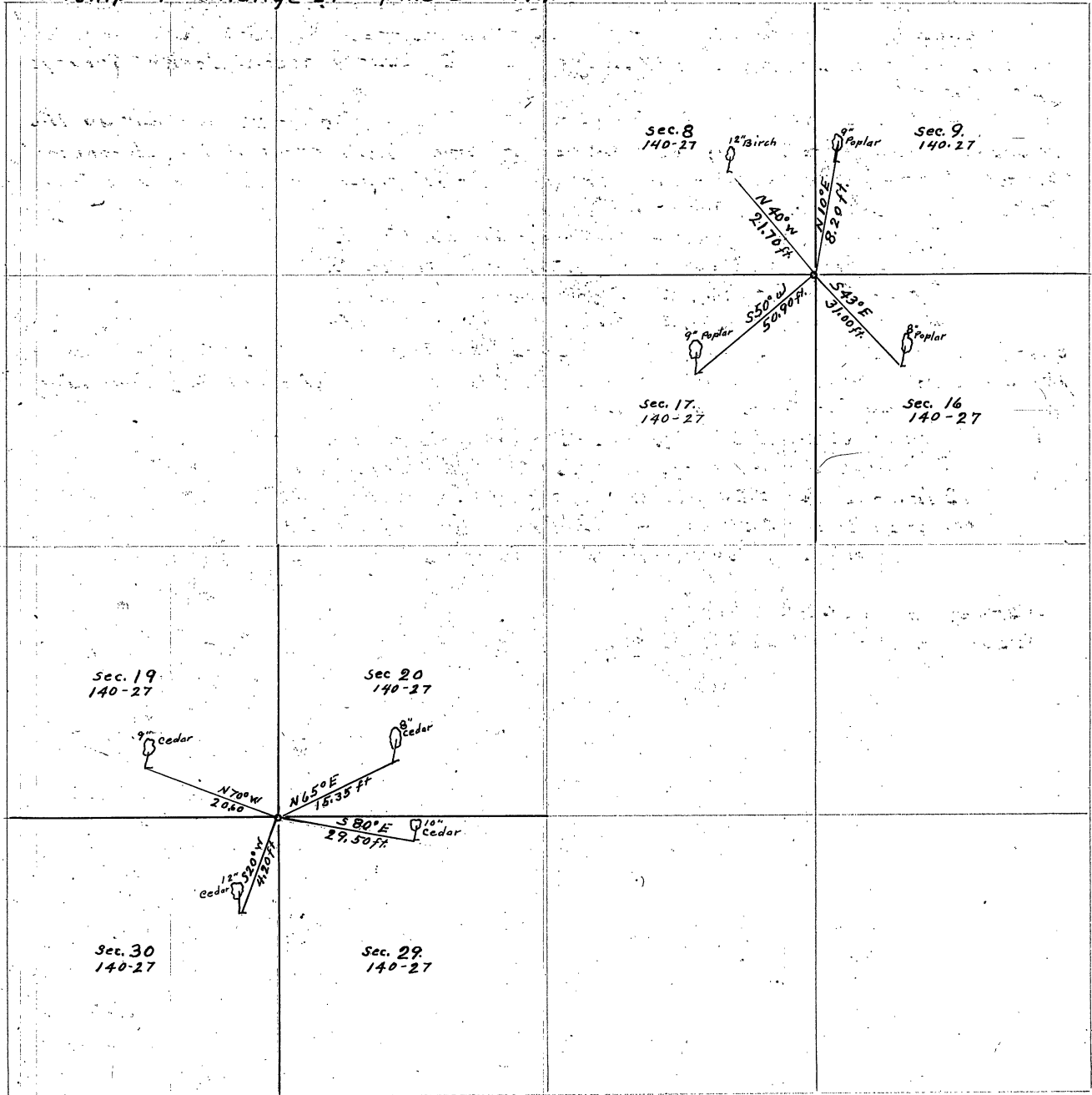
Surveyed Oct. 8th 1948

Recorded this 9th day of Oct. 1948

Harold J. Curo
County Surveyor
Cass County Minnesota

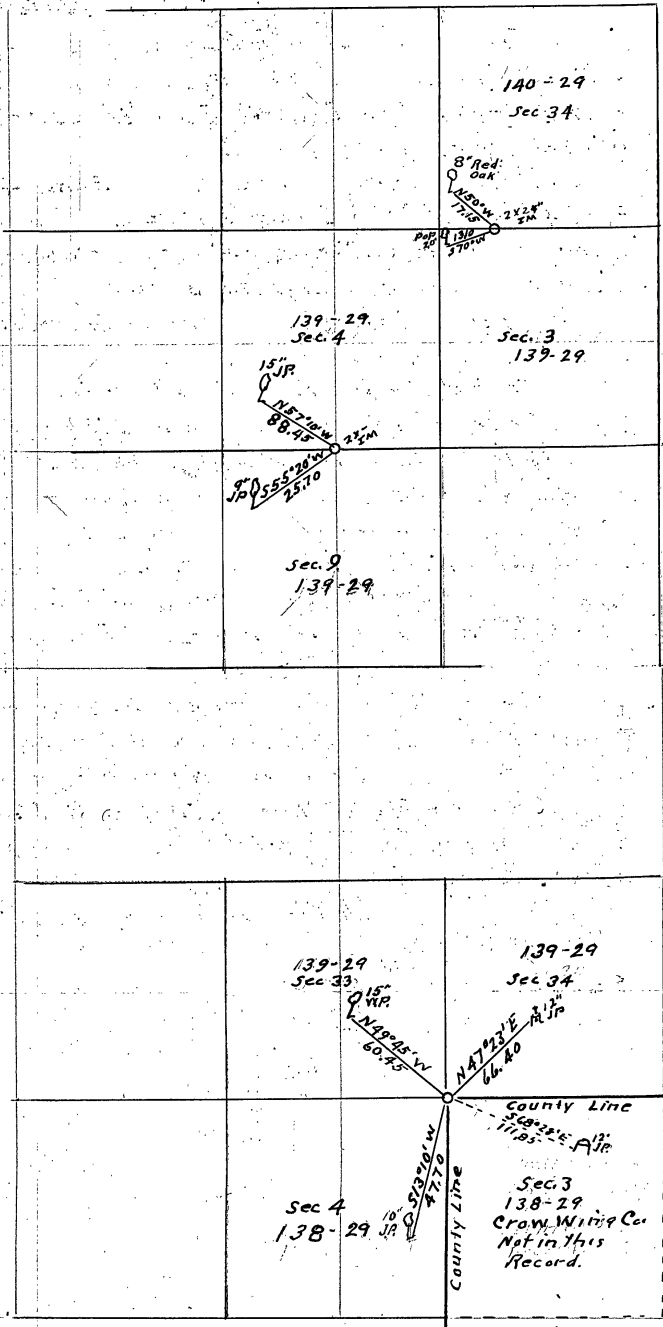
Sections 8-9-16-17-19-20-29-30
Township 140^N Range 27^W of the 5th P.M.

Survey Record No 615
Cass County Minnesota



616

Survey Record N^o 616
 Section 4 - Twp 138 Rge 29
 Sections 3-4-9-33-34 Twp 139 Rge 29
 Section 34 - Twp 140 Rge 29



47230

Section 4 - T. 138 R. 29

Survey Record No 616

Sections 3rd & 4 - 9-33-34 T. 139 R. 29 Cass Co. Minn

Cass County Minnesota

Section 34 T. 140 - R. 29

Field Notes

Field notes of the survey made by Harold J. Curo County Surveyor of Cass County Minnesota in the above named sections as shown by the annexed plat on page 338 in this Book "D" County Record Book of Surveys Cass County Minnesota are correct.

At the corner to sections 3 and 4 Twp 138 - R. 29 where it joins sections 33-34 Twp 139 R. 29 being the Northwest corner of Crow Wing County Minnesota we locate the iron spike previously established by me to mark the true section corner and take new bearings as follows

1 iron spike in 12 inch Jack Pine stump bears North 47 deg and 23' E 66.40 feet in said section 34 - Twp 139 - R. 29.

15 inch Norway Pine bears N 49 deg 45' W 60.45 feet in said section 33 - 139-29

10 inch Jack Pine tree bears S 13 deg and 10' W 47.70 ft. in said section 4 - 138-29

12 inch Jack Pine stump bears S 68 deg 25' E 111.85 ft in said section 3 - 138-29

At the $\frac{1}{4}$ corner between sections 4th & 9 T. 139 - R. 29 Cass County Minnesota we find the 2 inch iron pipe previously established to mark the True $\frac{1}{4}$ corner and to preserve this $\frac{1}{4}$ corner we take new bearing tree ties as follows.

15 inch Jack Pine bears N. 57 deg and 10 minutes W 88.45 feet in section 4.

9 inch Jack Pine bears S. 55 deg and 20' W 25.70 feet in Section 9 carefully measured in each section.

At the West $\frac{1}{6}$ corner between Section 3 Twp 139-29 and section 34 T. 140^N Range 29^W previously established we take new bearing trees as follows

8 inch Red Oak tree N 50 degrees W 17.15 feet in section 34 - T. 140 - R. 29

20 inch Poplar tree S. 70 deg W 13.10 feet in section 3 - T. 139 - R. 29

All as shown by the plat thereof on page 338 this Book "D" County Record Book of Surveys

All above measurements and courses are correct

Surveyed Oct 11 - 1948

Recorded this 12th of Oct 1948

Harold J. Curo
HAROLD J. CURO
 COUNTY SURVEYOR
 Cass County
 WALKER, MINN.

Sections 22-23-27-34
Township 139^N Range 30^W Cass Co. Minn

Survey Record No. 617
Cass County Minnesota

Field Notes

- 43 Field notes of the survey made by Harold J. Curo County Surveyor Cass County Minnesota in the aboved named sections as shown by the annexed plat on page 341 in this book "D" County Record Book of surveys Cass County Minnesota. Said plat is considered a part of these field notes and is correct.
- 65 At the $\frac{1}{4}$ corner between sections 22 and 23 Township 139^N Range 30^W have previously established a $\frac{1}{2}$ x 20 inch iron pipe for the true $\frac{1}{4}$ corner from which we establish new bearing trees as follows
- 70 7 inch Red Oak N 44 deg. and 47' E 14.90 feet in section 23
9 inch White Birch N 26 deg. and 30' W. 34.30 feet in section 22
- 30 Said iron pipe was driven thro the remains of the old original $\frac{1}{4}$ corner stake and checks perfect for course and distance with the original U.S. Bearing trees
- 41 At the $\frac{1}{4}$ corner between said sections 27 and 34 Twp. 139^N Range 30^W Cass County Minn we find an iron monument being a 2 x 48 inch iron pipe set in the center of the North and south graded road
- This $\frac{1}{4}$ corner was established about 30 years ago and is the true corner. However as some of the adjoining landowners might profit by its removal we take ties to preserve its position as follows
- From this iron $\frac{1}{4}$ we run to new bearing trees as follows
- 6 inch White Pine tree N 49 degrees and 10 minuts W. 75.22 ft. in section 27
10 inch White Pine tree S 48 deg. 37' W. 41.05 feet in said section 34
- 20 All in said Twp. 139 Rg. 30
- 5 All as shown by the plat thereof on Page 341. here with

Surveyed Nov. 1st 1948
Recorded this 2nd day of Nov. 1948

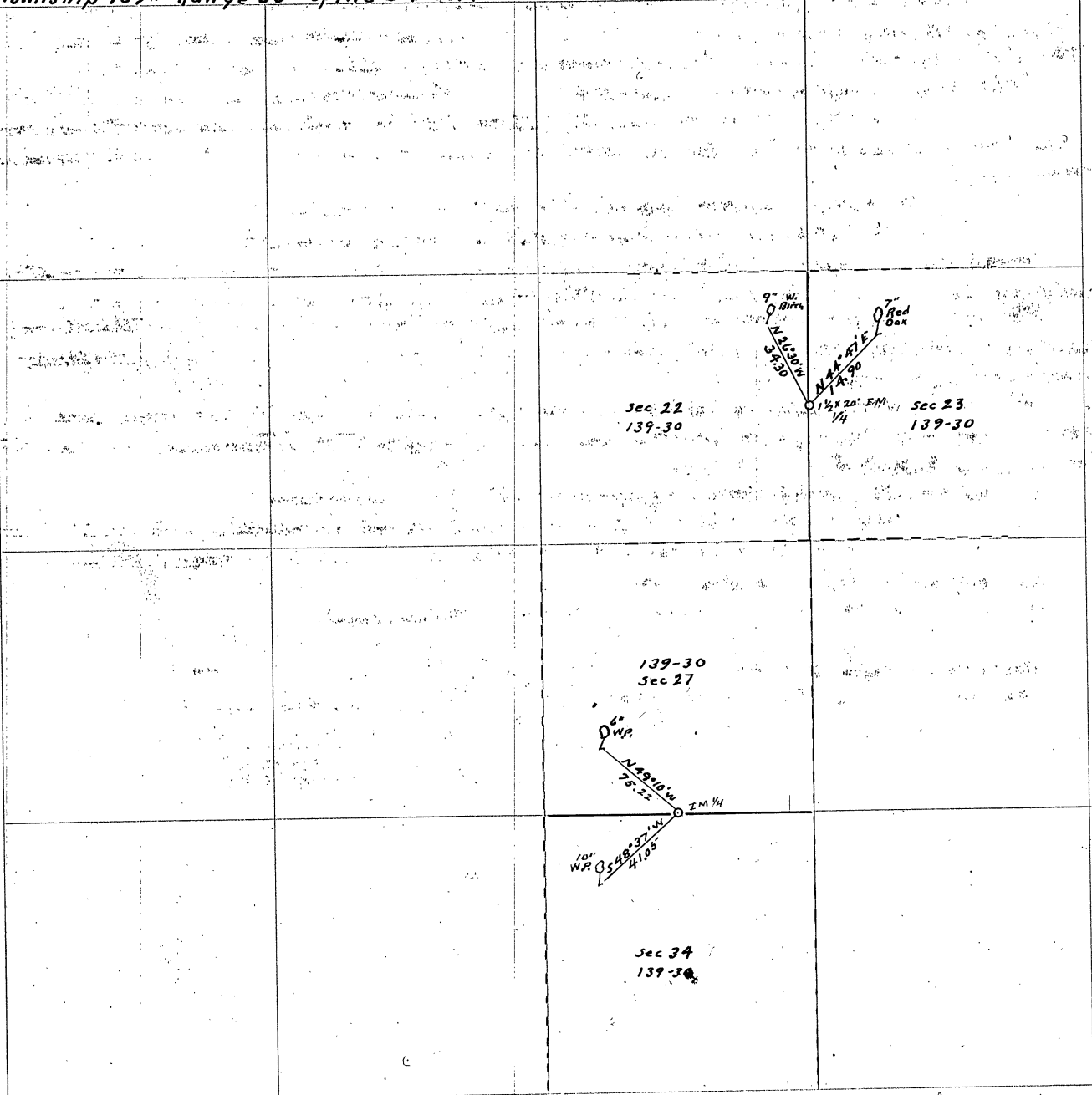
Harold J. Curo
HAROLD J. CURO
COUNTY SURVEYOR
Cass County
WALKER, MINN.

D

5

Sections 22-23-27-34
Township 139^N Range 30^W of the 5th P.M.

Survey Record No 617
Cass County Minnesota



Sec 22
139-30

Sec 23
139-30

139-30
Sec 27

Sec 34
139-30

9° 12' 30" W
226.30 W
3.450

7" Red Oak

1 1/2 x 20" P.M.
1/4

6" DW

N 89° 10' W
75.22

1 M 1/4

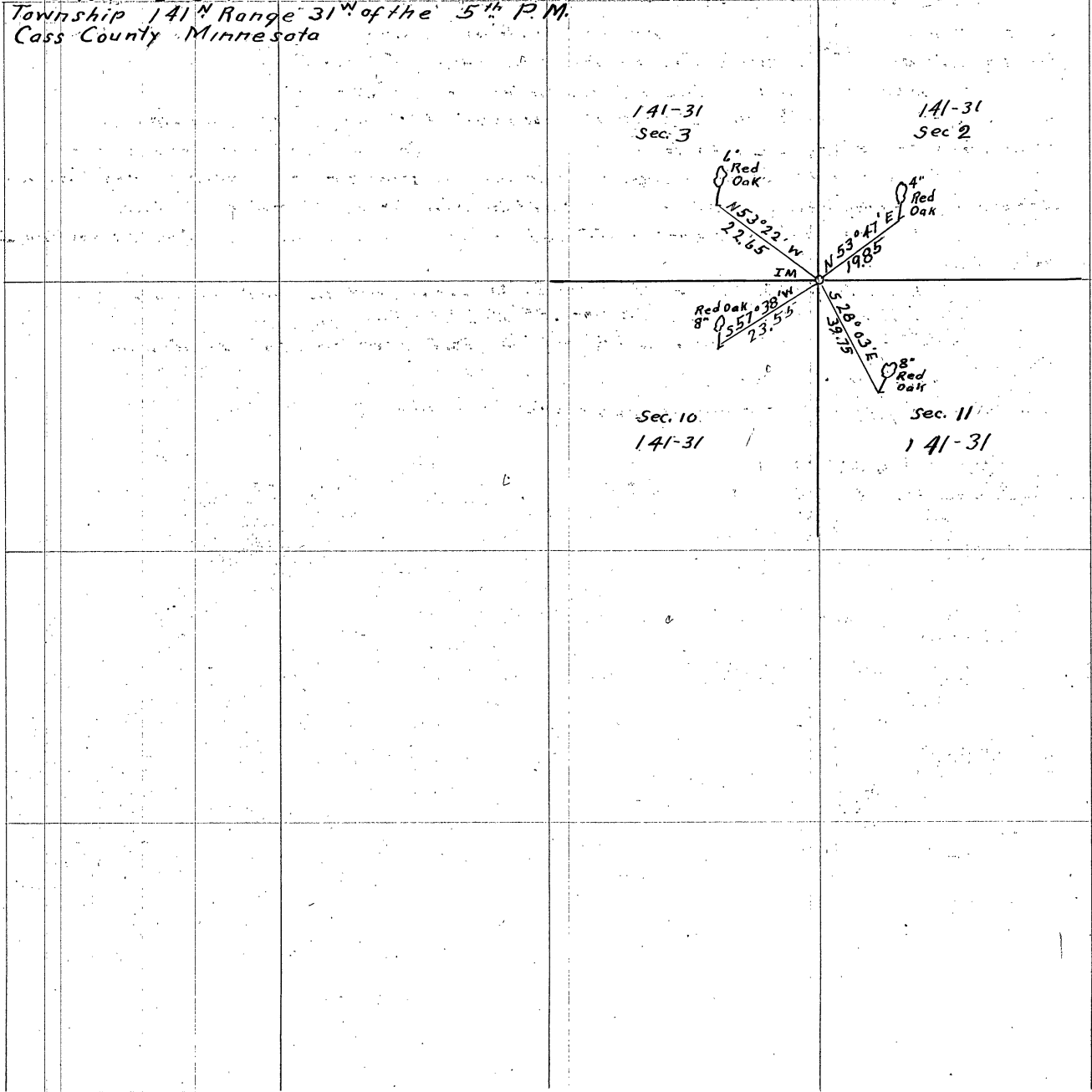
10" WR
S 48° 37' W
41.05

618.

D

618.

Survey Record N^o 618
 Sections 2-3-10 and 11
 Township 141^N Range 31^W of the 5th P.M.
 Cass County Minnesota



Sections 2-3-10-11
Township 141^N Range 31^W of the 5th P.M.

Survey Record No 618
Cass County Minnesota

Field Notes

Field notes of the survey made by Harold J. Curo County Surveyor Cass County Minnesota in the above named sections as shown by the annexed plat on page 342 in this book "D" County Record Book of Surveys Cass County Minnesota

Said plat is a part of these field notes and is correct
At the corner to sections 2-3-10-11 Township 141^N Range 31^W previously established by setting a 2x48 inch capped iron pipe to mark the true corner and as this corner is apt to be destroyed or lost we mark new bearing trees in each of the surrounding sections after which said bearing trees stand as follows

134

4 inch Red Oak bears N 53 degrees and 47 minutes E 19.85 feet in section 2 township 141 Rq 31

60

6 inch Red Oak bears N 53 deg 22' W 22.65 feet in said section 3

44

8 inch Red Oak bears S 57 deg 38' W 23.55 feet in said section 10

50

8 inch Red Oak bears S 28 deg 03' E 39.75 feet in said section 11

268

All in Township 141 Range 31
as shown by plat thereof on page 342 here with

Surveyed Nov. 3rd 1948
Recorded this 4th day of Nov. 1948

Harold J. Curo
HAROLD J. CURO
COUNTY SURVEYOR
Cass County
WALKER, MINN.

Sections 28-29-32-33

Survey Record No 619

Township 140^N Range 28^W of the 5th P.M

Cass County Minnesota

Field Notes

Field notes of the survey made by Harold J. Curo County Surveyor Cass County, Minnesota in the above named sections as shown by the annexed plat on page 345 of this book "D" County Record Book of Surveys Cass County, Minnesota. Said plat is a part of these field notes and is correct.

At the corner to sections 28-29-32-33 Township 140^N Range 28^W We find a 2 inch iron pipe previously established for the True corner from which faint marks of the original bearing trees appear to fit perfect.

As this iron was hard to find and may be harder to find or lost later we take new bearing trees in each of the surrounding sections after which said bearings trees stand as follows

14 inch Norway Pine bears N 50 degrees and 06' E 30.75 feet distant in section 28. T. 140. R. 28

14 inch White Pine N 52 deg. 45' W 27.15 feet in section 29

Norway Pine 12 inch bears S 31 deg. 35' W 49.50 feet in section 32

12 inch White Pine S 70 deg. 28' E 37.85 feet in section 33

All in Township 140 Range 28 as shown by the plat thereof on said page 345 Book "D" County Record Book of Surveys.

Surveyed Nov. 5th 1948

Recorded this 6th day of Nov. 1948

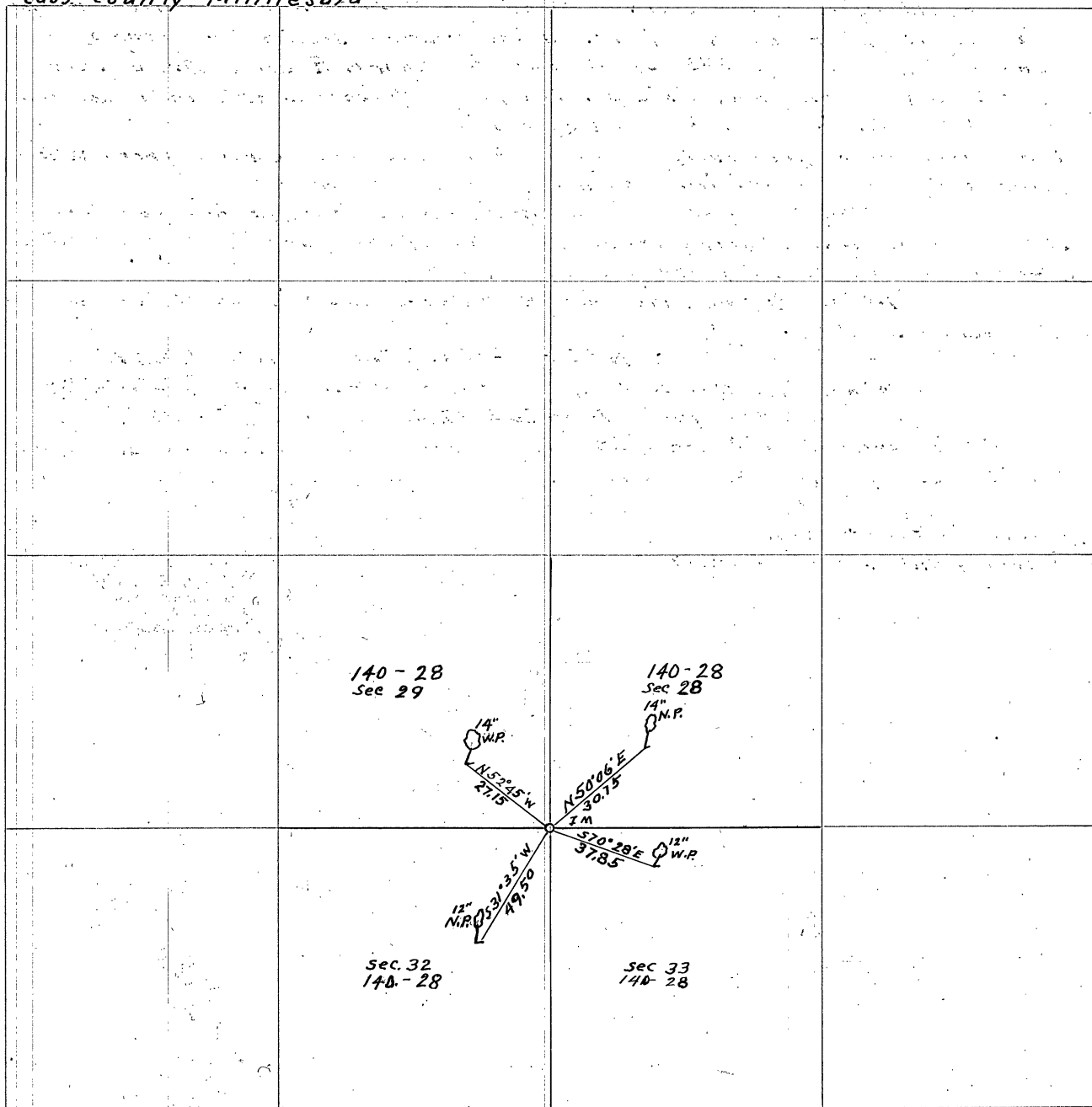
Harold J. Curo
HAROLD J. CURO
 COUNTY SURVEYOR
 Cass County
 WALKER, MINN.

D

619

Sections 28-29-32-33
Township 140ⁿ Range 28^w of the 5th P.M
Cass County Minnesota

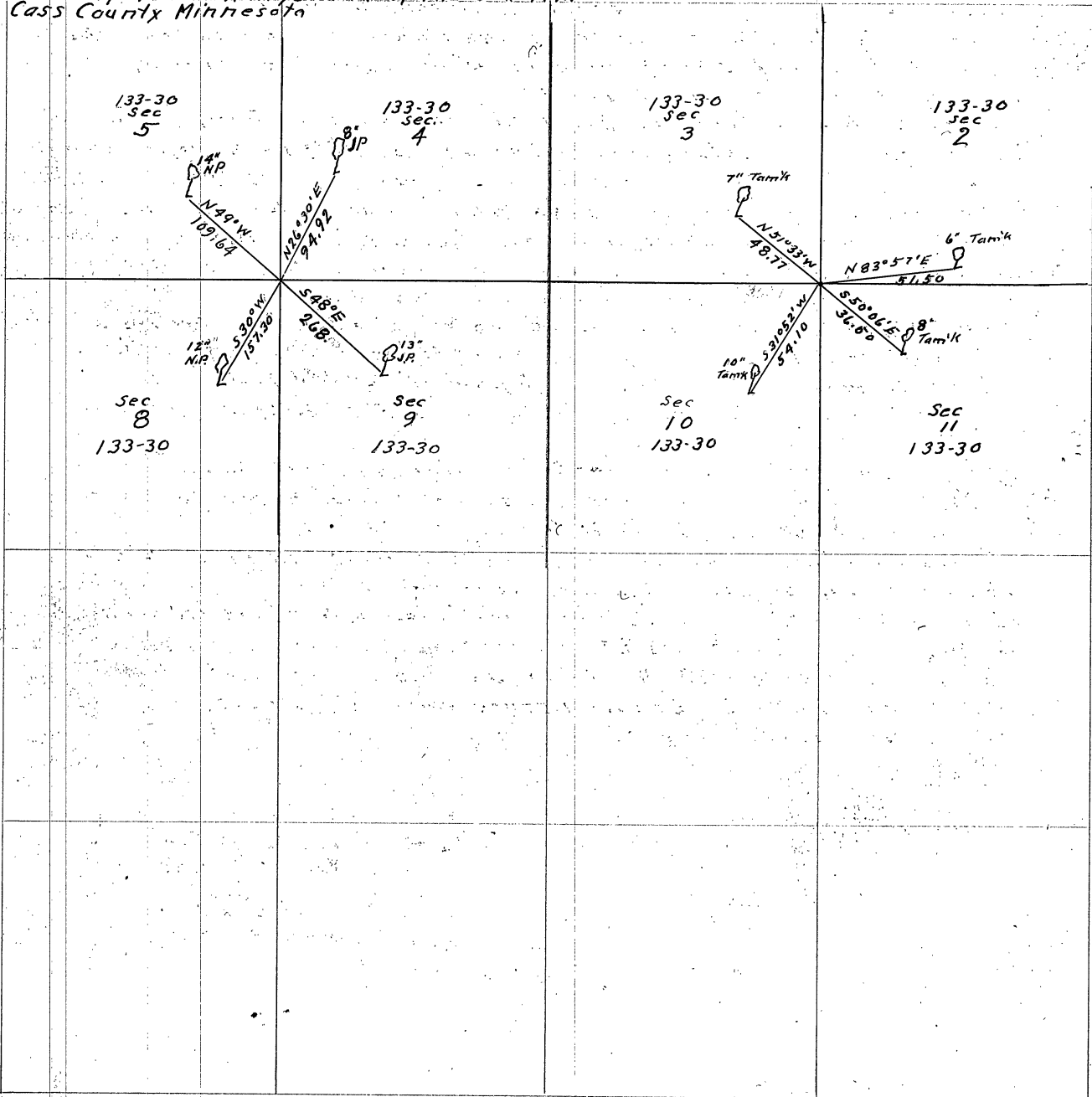
Survey Record No. 619.
Cass County Minnesota



62

D

SURVEY RECORD No 620
 Sections 2-3-4-5-8-9-10 and 11
 Township 133 N Range 30 W of the 5th P.M.
 Cass County Minnesota



Sections 2-3-4-5-8-9-10-11
Township 133^N Range 30^W of the 5th P. M.

Survey Record No 620
Cass County Minnesota

Field Notes

Field notes of the survey made by Harold J. Curo County Surveyor of Cass County, Minnesota in the above named sections as shown by the annexed Plat on page 346 of this Book "D" of County Record Book of surveys Cass County Minnesota are correct.

At the Corner to Sections 2-3-10-11 Township 133^N Range 30^W which was previously established and marked by a 3/4 inch pipe as this pipe is not in sight we locate the true point for this corner from faint marks of the Original Government bearing tree stumps and find said 3/4 inch pipe a foot and a half below the ground and to be able to find it again later we mark New bearing trees in each of the surrounding sections, after which said bearing trees stand as follows

Tamk 6 inch in diam stands N 83 deg. and 57' East 51.50 feet in Section 2

Tamk 7 inch in diam. bears N 51 deg. and 33' West 48.77 feet in section 3

Tamk 10 inch in diam. bears S 31 deg. and 52' West 54.10 feet in section 10

Tamk 8 inch in diam bears S 50 deg and 06' East 36.50 feet in section 11

At the corner to sections 4-5-8-9 Township 133^N Range 30^W We find a 2 1/4 inch iron pipe previously established by me for the true corner and mark new bearing trees as follows

8 inch Jack Pine bears N. 26 deg. and 30' East 94.92 feet in section 4

14 inch Norway Pine bears N. 49 deg. and 00' West 109.64 feet in section 5

12 inch Norway Pine bears S. 30 deg. and 00' West 157.30 feet in section 8

13 inch Jack Pine bears S. 48 deg. and 00' East 268.00 feet in section 9

All in Township 133 Range 30 as shown by the Plat thereof on page 346 this book "D" County Record Book of Surveys

All above measurements and courses are correct

Surveyed
Recorded this

Harold J. Curo
HAROLD J. CURO
COUNTY SURVEYOR
Cass County
WALKER, MINN.

Sections 9 and 16 Township 136^N
Range 29 W of the 5th P.M.

Record No 621
Cass County Minnesota

Field Notes

Field notes of the survey made by Harold J. Curo County Surveyor of Cass County Minnesota in the above named sections as shown by the annexed plat on page 349 in this Book "D" of County Record Book of Surveys Cass County Minnesota are correct. This Plat is a part of these field notes.

At the $\frac{1}{4}$ Corner between sections 9 and 16 Township 136 Rg 29 Cass County Minnesota We find a 2 inch capped iron monument previously established for the true $\frac{1}{4}$ corner. To preserve its position we take new bearing trees as follows:

A 7 inch Jack Pine bears N 56 deg and 16' East 31.10 feet in section 9

A 9 inch Jack Pine bears S 23 deg and 15' West 71.50 feet in section 16

Surveyed Nov 12 - 1948

Recorded this 25 day of Feb 1949

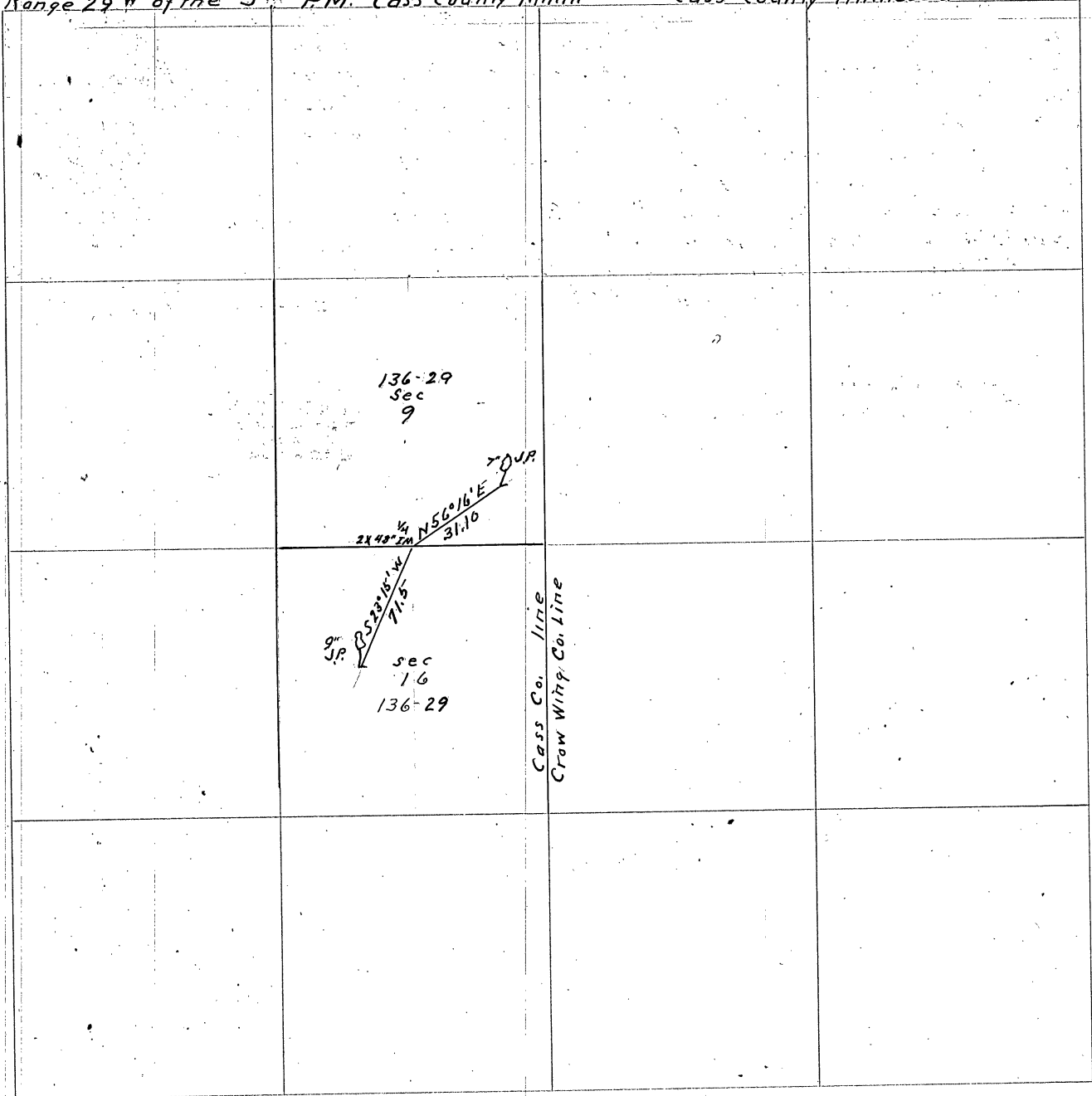
Harold J. Curo
HAROLD J. CURO
COUNTY SURVEYOR
Cass County
WALKER, MINN.

D

621

Sections 9 and 16 Township 136 N
Range 29 W of the 5th P.M. Cass County Minn.

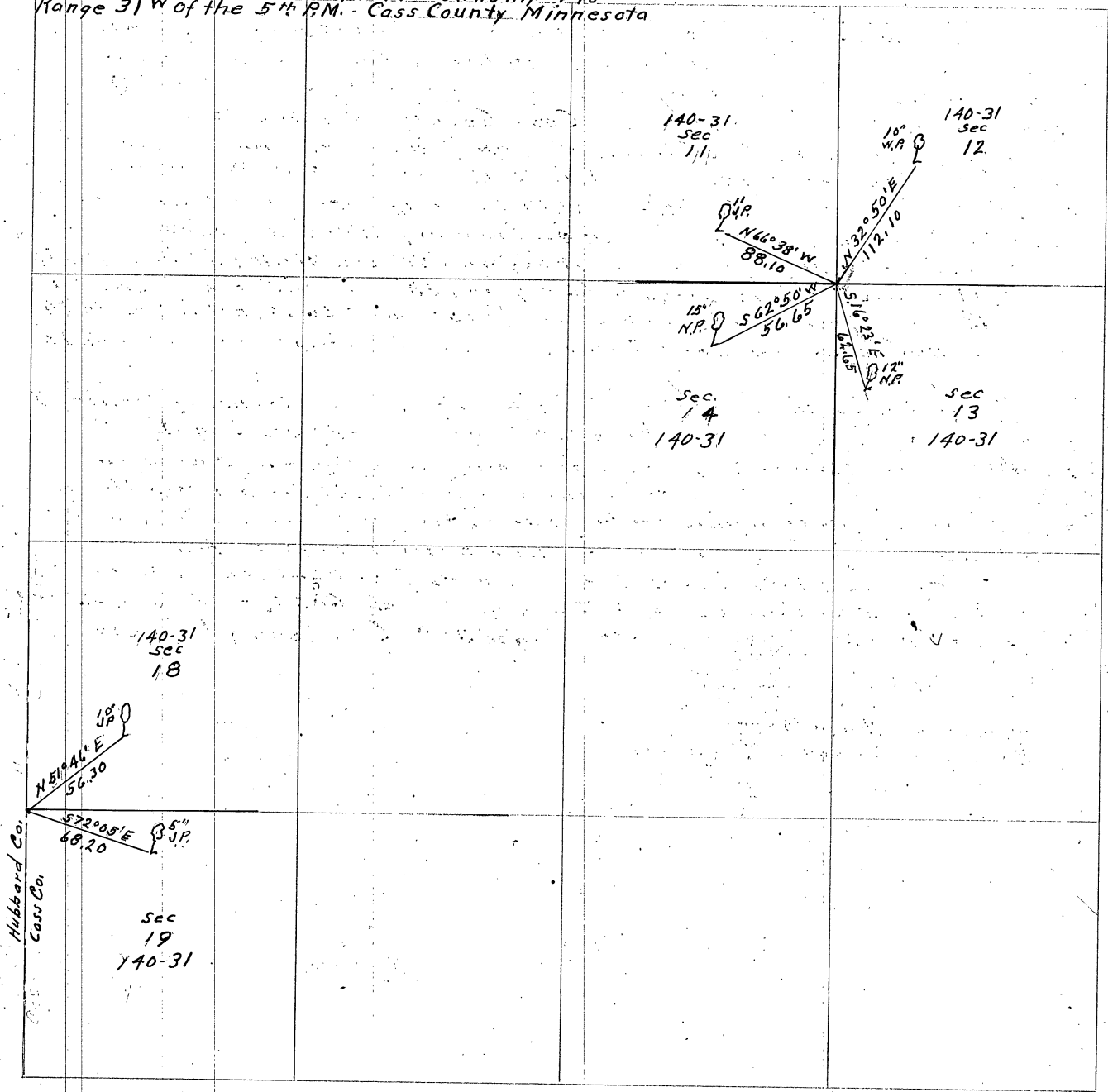
Record No 621
Cass County Minnesota



D

622

Record No 622
Sections 11-12-13-14-18-19 Township 140N
Range 31W of the 5th R.M. - Cass County Minnesota



Sections 11-12-13-14-18-19

Record No 622

Township 140^N Range 31^W of the 5th P.M.

Cass County Minnesota

Cass County Minnesota

Field Notes

Field notes of the survey made by Harold J. Curo County Surveyor of Cass County Minnesota in the above named sections as shown by the annexed plat on page 350 in this Book "D" County Record Book of Surveys Cass County Minnesota

Said plat is considered a part of these field notes and is correct

At the corner to sections 11-12-13-14 Twp 140-R 31 We find the old 2x48 inch iron monument with the cap broken off and to save this corner we mark new bearing trees as follows

10 inch White Pine bears N 32 deg and 50' East 112.10 feet in section 12

11 inch Jack Pine bears N 66 deg and 38' West 88.10 feet in section 11

15 inch Norway Pine bears S 62 deg and 50' West 56.65 feet in section 14

12 inch Norway Pine bears S 16 deg and 23' East 62.65 feet in section 13

At the SW Corner to Section 18 being also the NW Corner of section 19 on the Hubbard County line between Hubbard and Cass Countys Where I set the true corner 29 years ago from the Original Government bearing trees I find the remains of my old ties and from them I set a 2x30 inch iron pipe for the true corner near the south shoulder of the now traveled highway and mark new bearing trees as follows

10 inch Jack Pine bears N 51 deg and 46' East 56.30 feet in section 18

5 inch Jack Pine bears S 72 deg and 05' East 68.20 feet in section 19
needle reads 730' All in Township 140^N Range 31^W Cass County Minnesota

Surveyed Nov. 15 1948

Recorded this 28th day of Feb 1949

Harold J. Curo
HAROLD J. CURO
COUNTY SURVEYOR
Cass County
WALKER, MINN.

Sections 28, 29, 31, 32 and 33 Twp 139 Rge 30
 " 6, Twp. 138 Rge 30
 " 1 Twp 138 Rge 31
 " 36 Twp 139 Rge 31

Survey Record No 623
 Cass County Minnesota

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County Minnesota, in the above named Sections as shown by the annexed Plat on page 353 of this book "D" of the County Record Book of Surveys. This plat is a part of said field notes and is correct

Field notes for the survey of Section 1, Twp. 138 R. 31, Section 36, Twp 139 R. 31, Section 31 T. 139 R. 30 and Section 6 T. 138 R. 30.

Working for Mr. Clark Johnston of Backus, Minnesota who wants this survey recorded. On Oct. 15th 1949 I drive to Johnston's place in Section 1 T 138 R. 31. Where I pick up Herman Milder furnished by Johnston to help with the survey. We go to the N.E. corner of said section 1 being the corner to four Townships. We find the I.M. previously established from old U.S. B.Ts. Trucks hauling pulp has ran over this I.M. and bent it over into the ground. After carefully referenceing in the true point for this corner I take it up and strighten it out and re-set it. I dig a trench and make a five foot mound around this corner and mark New B.Ts. viz; Transit over I.M. I run into Section 31 T 139 R 30 N 63° and 35' E 75.00 ft. to a 16 inch Non pine; thence I run South 33.37 ft. to the Twp. line; thence West 67.17 ft. as a check to the corner. From said I.M. I run into Section 36 T. 139 R. 31 viz; N. 29° and 44' W 55.20 ft. to a 16 inch Red Oak tree; thence I run East 27.38 ft. to the Rge. line; thence South 47.73 ft. as a check to the corner. From said corner I run into Section 1, Twp. 138 Rge. 31 viz; S. 40° and 10' W 43.30 ft. to a 6 inch Hard Maple; thence I run East 27.93 ft. to the Rge. line; thence North 33.19 ft. as a check to the corner. From said corner I run into Section 6 - 138 - 30 viz; S 42° and 50' E 79.55 ft. to a 20 inch Red Oak; thence I run West 54.08 ft. to the Rge. line; thence North 58.34 ft. as a check to the corner. All at 7th Van. From said corner being the N.E. corner of Section 1 - 138 - 31, I run West along the Twp. line between Sections 1 and 36 - Twps 138 and 139 Rge. 31 @ 5312.90 ft W intersect the N.W. corner of Section 1 - 138 - 31. We go back to a point 2656.45 W. of the Twp. corner and set an I.M. for the true 1/4 corner between Sections 1 and 36 - 138 - 139 - 31. From said 1/4 corner I start a line S. through the center of Section 1, run with due parallelism to the side lines:-

Field notes for the survey of Sections 28-29-32 and 33 Twp 139 Rge 30 Working for Elmer Doty of Backus Minnesota

I pick up Ernest Swift and drive to the corner of Sections 28-29-32-33-139-30 Where U.S. Notes call for the following B.Ts. Jack Pine 8 N 67° E 43 lks Jack Pine 4 N 25 1/2° W 29 lks. Jack Pine 10 S 78° E 31 lks We find the N.W. B.T. being a stump 4 ft high and plainly marked we set an iron pipe in the S wheel track of the road for the true corner to said sections and mark New B.Ts as follows viz; Transit over true corner I run in Section 28 - 139 - 30 N 62° E 44.70 ft. to a 12 inch Red Oak; thence I run South 20.99 ft. to the line; thence West 39.47 ft. as a check to the corner. From said corner I run into Section 29 - 139 - 30 N 55° 42' W 93.90 ft. to a 10 inch Elm; thence I run South 52.92 ft. to the line; thence East 77.57 ft. as a check to the corner. From the corner I run into Section 32 - 139 - 30 S. 47° 46' W 30.85 feet to a 11 inch Elm; thence I run North 20.74 ft. to the line; thence East 22.84 ft. as a check to the corner. From the corner I run into Section 33 - 139 - 30 S. 25° 54' E 23.43 ft. to a 10 inch Red Oak; thence I run West 10.23 feet to the line; thence North 21.08 ft. as a check to the corner. From said corner to Sections 28, 29, 32 and 33 - 139 - 30 I run S. 0° 03' W. between Sections 32 and 33 a distance of 1924.85 feet to the North shore of Bowen lake and set an iron pipe for the true M.C. between Sections 32 - 33 - 139 - 30

Surveyed Oct 15th 1949 and May 24th 1950

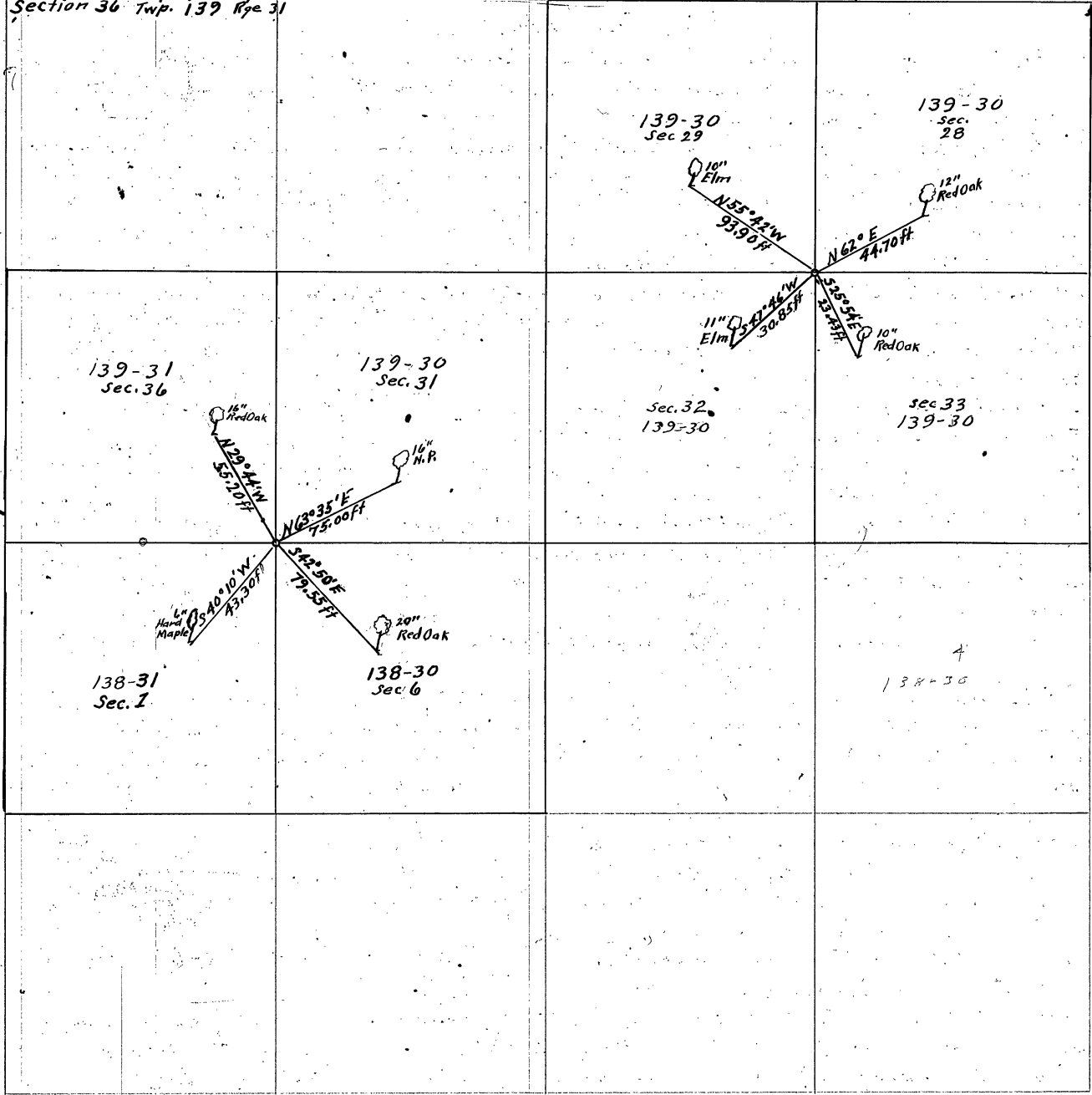
Recorded this 10th day of December 1950

Harold Curo
 County Surveyor
 Cass County Minn

D

623

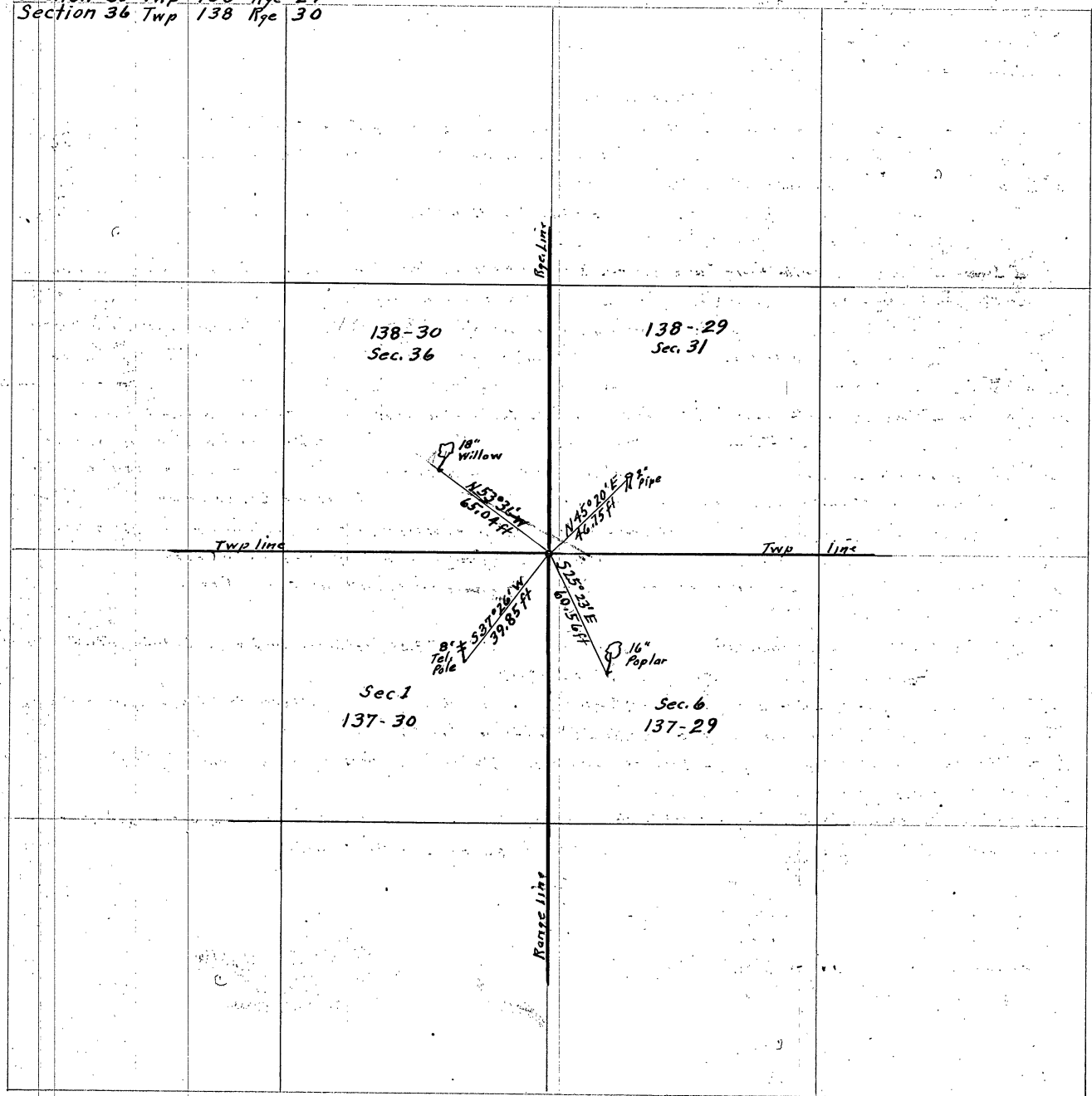
Record No 623
 Sections 28-29-31-32 & 33 Twp 139-30
 Section 6 Twp 138 Rge 30
 Section 1 Twp 138 Rge 31
 Section 36 Twp 139 Rge 31



D

624

Record No 624
 Section 1 Twp 137 Rge. 30
 Section 6 Twp 137 Rge 29
 Section 31 Twp 138 Rge 29
 Section 36 Twp 138 Rge 30



13257

Survey Record No 624
Cass County Minnesota

- Section 1 Twp. 137 Rge. 30
- Section 6 Twp. 137 Rge. 29
- Section 31 Twp. 138 Rge. 29
- Section 36 Twp. 138 Rge. 30

Field Notes

Field notes of the survey made by Harold Curo, County Surveyor of Cass County, Minnesota, in the above named Sections as shown by the annexed plat on page 354 of this Book "D" of the County Record Book of Surveys. This plat is a part of said notes and is correct.

Field notes for survey of Section (1) T. 137 R. 30; Section (6) T. 137 R. 29; Section (31) T. 138 R. 29; and Section (36) T. 138 R. 30. Working for the Village of Pine River, Minnesota

I Leave Walker drive to Pine River where I have been setting Block Corners for the Village of Pine River. As the County has put more tar and fixed up the road over the Township corner and I have to use this corner I go into the County Eng. Office and ask Mr. Cole if they took any ties to this Township corner before they covered it up with tar. He told me NOT to dig up the road and gave me two ties. When I get to Pine River I try to set a point for this corner from the ties given me by Cole, and find that the measurements he gave me will not come together by (9) nine feet. I go South to the N. 1/4 corner between Sections 1 and 6 on the Range line and chain North at 88.9 N. of I.M. at the N. 1/4 corner I find a railroad spike which was set on the true Range line by me a few years ago at 140.20 feet N. I find another of my old railroad spikes and continue this Range line North @ 1325.20 ft. N. of the N. 1/4 corner on the true Range line I drive a 60¢ spike and hit the I.M. Township corner. I will be using this corner a lot so I mark new ties so it can be found again without so much work and record this corner so other surveyors can find it without digging up the tar road.

Transit over point for true Township corner I use the Range line South as a true N and S I run into Section (36) T. 138 R. 30 viz

N 53° 36' W 65.04 feet to a 18 inch willow tree; thence I run South 38.60 feet to the line; thence I run East 52.35 feet as a check to the

From the Twp. corner I run into section (1) T. 137 R. 30 viz:

S. 37° 26' W 39.85 feet to a nail in a telephone pole; thence I run East 24.22 feet to the line; thence North 31.64 feet as a check to the corner.

From the Township corner I run into Section (6) T. 137 R. 29, viz:

S. 25° 32' E 60.56 feet to a 16 inch Poplar tree; thence I run West 25.26 feet to the line; thence I run North 54.71 feet as a check to the corner.

From the Twp. corner I run into Section (31) T. 137 R. 29 viz:

N 45° 20' E 46.75 feet to an 2 inch iron pipe set for the true Block corner and to mark the right of way of the roads; thence I run south 32.86 feet to the line; thence I run West 33.25 feet as a check to the corner

This survey made this 25th day of May 1950
Recorded this 12th day of December 1950

Harold Curo
HAROLD CURO
COUNTY SURVEYOR
Cass County
WALKER, MINN.

Sections 8, 9, 10, 15, 16 and 17 Twp. 140 Rge. 29

Field Notes

Field notes of survey made by Harold Curo County Surveyor of Cass County, Minnesota in the above named Sections as shown by the annexed plot on page 357 of this Book "D" of County Record Book of Surveys Cass County, Minnesota are a part of said notes and is correct.

at the corner to Sections 8, 9, 16 and 17 T. 140 R. 29 we find the Section corner being an iron monument previously established from the old U.S. Bearing Trees. I mark new bearings as follows viz:

From this corner I run into Section 8 T. 140 R. 29 as follows:

N. 23° 22' W. 69.86 feet to a blaze at the base of a 10 inch Tamix Tree; Thence I run East 27.71 feet to the line; thence South 64.13 feet as a check to the corner.

From said Section corner I run into Section 17 T. 140 R. 29 as follows:

S. 7° 12' W. 88.82 feet to a blaze at the base of a 12 inch Birch tree; thence I run East 44.13 ft. to the line; thence North 88.12 ft as a check to the corner. no other trees near. The Section line East from this corner is used as East and West for these courses.

From this corner to Sections 8, 9, 16 and 17 - 140 - 29 I run East along the North boundary of Section 16 at 2601.00 intersect the I.M. $\frac{1}{4}$ Corner between Sections 9 and 16 T. 140 R. 29 at 2786.40 E set hub 60" spike in the west edge of the road. an iron pipe bears 7° 10' to the right 21.80 ft. on the Lake shore. we continue our line East over the Lake and at 5223.35 ft East intersect the East line of Section 16 a distance of 37.24 feet South of the I.M. Section corner to Sections 9, 10, 15 and 16 - 140 - 29

Transit over corner to Sections 9, 10, 15 and 16 T. 140 R. 29 I take new bearings as follows. using the North boundary line of Section 16 as East and West for the courses. From said Section corner I run into Section 10 T. 140 R. 29 as follows:

N. 42° 38' E 28.00 ft. to a spot at the base of a Birch Ash tree; thence I run West 18.96 ft. to the line; thence South 20.60 ft. as a check to the corner

From said Section corner I run into Section 9 T. 140 R. 29 as follows:

N. 64° 14' W 18.40 ft to a spot at the base of a 10 inch Birch Tree; thence I run South 8.00 ft to the line; thence East 16.57 ft. as a check to the corner.

From said Section corner I run into Section 16 T. 140 R. 29 as follows:

S. 36° 28' W 33.15 ft. to a spot at the base of a 14 inch Elm tree; thence I run East 19.70 ft to the line; thence North 26.64 ft as a check to the corner

From said Section corner I run into Section 15 T. 140 R. 29 as follows:

S. 56° E 19.20 ft to a spot at the base of a 12 inch Elm tree; thence I run N. 10.74 ft. to the line; thence West 16.02 ft. as a check to the corner

All in Township 140 Range 29 as shown by the plot on page 357 of this Book "D" County Record Book of Surveys.

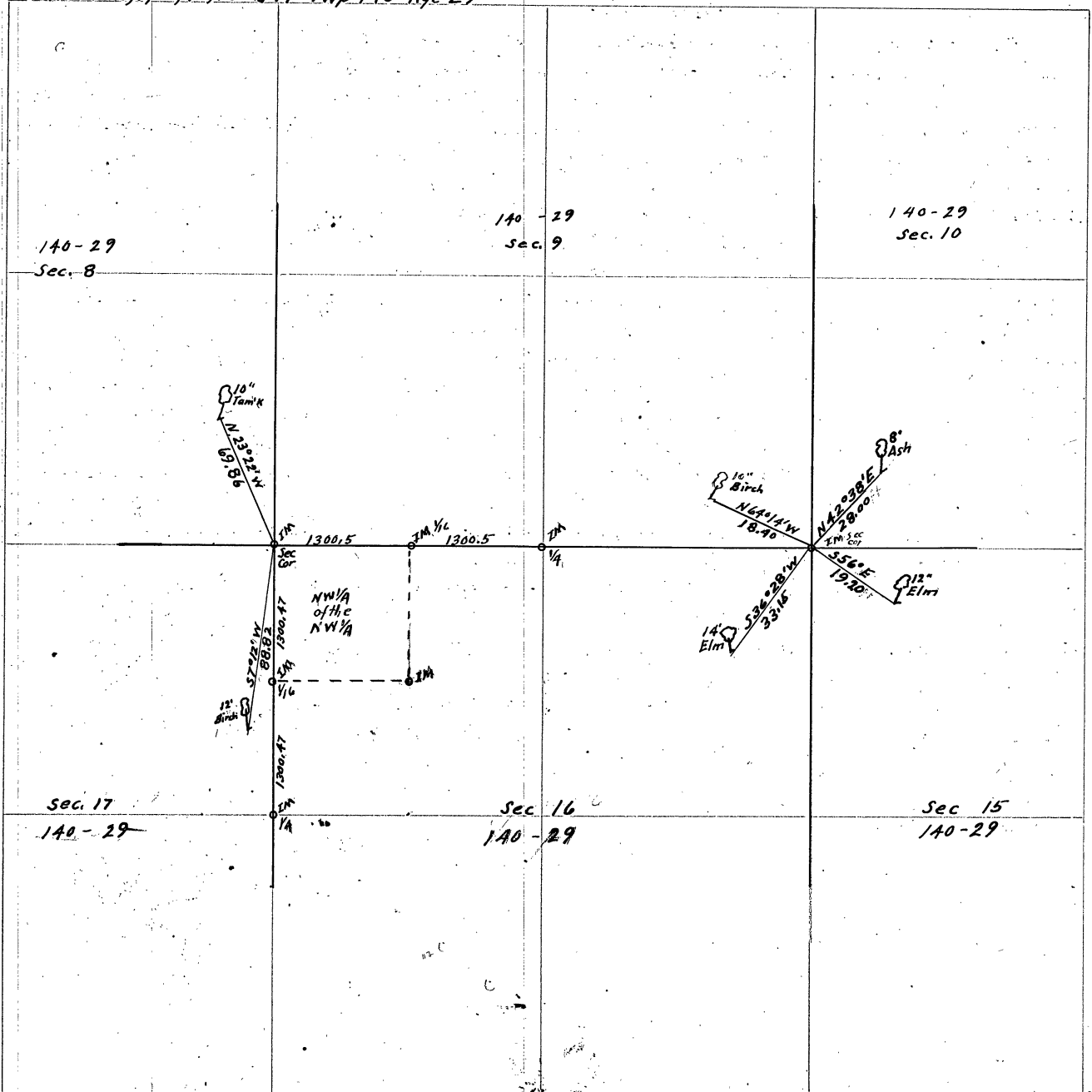
Surveyed Oct 1st to Oct 4th 1950

Recorded this 14th day of December 1950

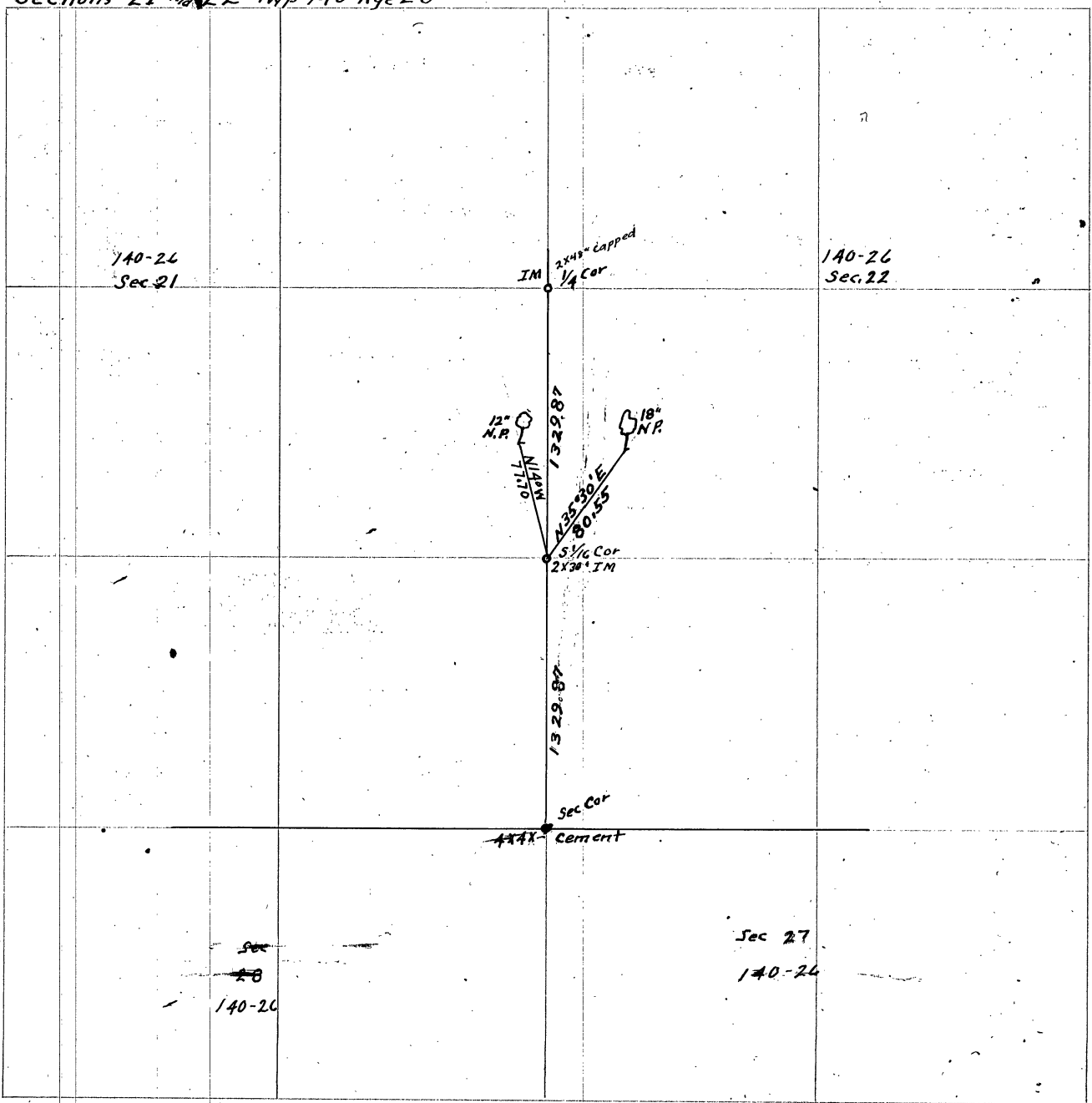
Harold Curo
 HAROLD CURO
 COUNTY SURVEYOR
 Cass County
 WALKER, MINN.

625

Record No 625
Sections 8, 9, 10, 15, 16 and 17 Twp 140 Rge 29



Record No 626
Sections 21 & 22 Twp 140 Rge 26



D

Survey Record No 626
Cass County, Minnesota

Sections 21 and 22 Twp. 140 Rpe. 26

Field Notes

Field notes of survey made by Harold Curo County Surveyor of Cass County, Minnesota in the above named sections as shown by the annexed plat on page 358 of this Book "D" of County Record Book of Surveys Cass County Minnesota

Sept. 6th 1950 I look up notes of surveys made in Section 21-140-26 by me and on Sept. 8th 1950 I leave Walker in my car and drive to Christ Willem's place in Section 21 T. 140 R. 26. Stop and pick up Cliff Thomas at Thunder Lake Store. Cliff, Christ and I go to the $\frac{1}{4}$ corner between Sections 21 and 22 T. 140 R. 26 being a 2x48 inch Gal. Monument with a cap on top. From this $\frac{1}{4}$ corner we run south between Sections 21 and 22 - 140 - 26 at 2659.74 feet south we intersect the Section corner. Corner to Sections 21-22-27 and 28-140-26 being a 4x4 cement post. We go back North to hub 1329.875 and set a 2x30 inch iron pipe for the true S. $\frac{1}{4}$ corner between Sections 21 and 22 T. 140 R. 26 and we mark bearing trees so as to help hold this point. Transit over S. $\frac{1}{4}$ corner I run into Section 22 T. 140 R. 26 as follows:

Transit over S. $\frac{1}{4}$ corner I run into Section 22 T. 140 R. 26 as follows:
thence N. $35^{\circ}30'$ E 80.55 feet to a spot at the base of a 18 inch Non. Pine tree; thence I run West 46.78 feet to the line; thence south 65.58 feet as a check to the corner.

From said S. $\frac{1}{4}$ corner I run into Section 21-140-26 as follows

N. $14^{\circ}00'$ W 77.70 feet to a spot at the base of a 12 inch Non. Pine tree; thence I run East 18.80 feet to the line; thence south 75.39 feet as a check to the corner. The Section line between Sections 21 and 22 T. 140 R. 26 was used as a true North and south for these courses and the measurements are correct

Surveyed Sept. 8th 1950
Recorded this 15th day of Dec. 1950

Harold Curo
HAROLD CURO
COUNTY SURVEYOR
Cass County
WALKER, MINN.

Sections 8 and 9 Twp 141. N. Rge. 29th of the 5th P.M.

Survey Record No 627
Cass County, Minnesota

Field Notes.

Field notes of the survey made by Harold Curo County Surveyor of Cass County Minnesota in the above named sections as shown by the annexed plat on page 361 of this Book "D" of the County Record Book of Surveys Cass County Minnesota. The plat contains a part of said field notes and is correct.

Beginning at the brass capped monument at the N.E. corner of Gov't lot 1 section 8 Twp 141. N. Rge. 29. I run South between Sections 8 and 9. T. 141. N. R. 29 @ 617 Ht. S. center line of highway No 34. @ 1078.40 ft S. we find the I.M. S.E. corner of said Gov't Lot 1 after two days of digging up the road. This is the N¹/₄ corner between said sections 8 and 9. as this corner is below the road I mark max. B.T. so it can be found without having to dig up the road again and record the same as follows.

Transit over said N¹/₄ corner between said sections 8 and 9 I site North along the true section line and run into section 9 as follows viz:

S. $54^{\circ}22'$ E 52.73 feet to a 5 inch white Birch tree; thence I run West 22.86 feet to the section line; thence North 30.72 feet as a check to the corner.

Transit still at said ¹/₄ corner I run into Section 8 as follows

S. $34^{\circ}36'$ W 25.80 feet to a 6 inch white Birch tree; thence I run East 37.36 feet to the section line; thence North 54.16 feet as a check to the corner.

Surveyed June 22nd 1949

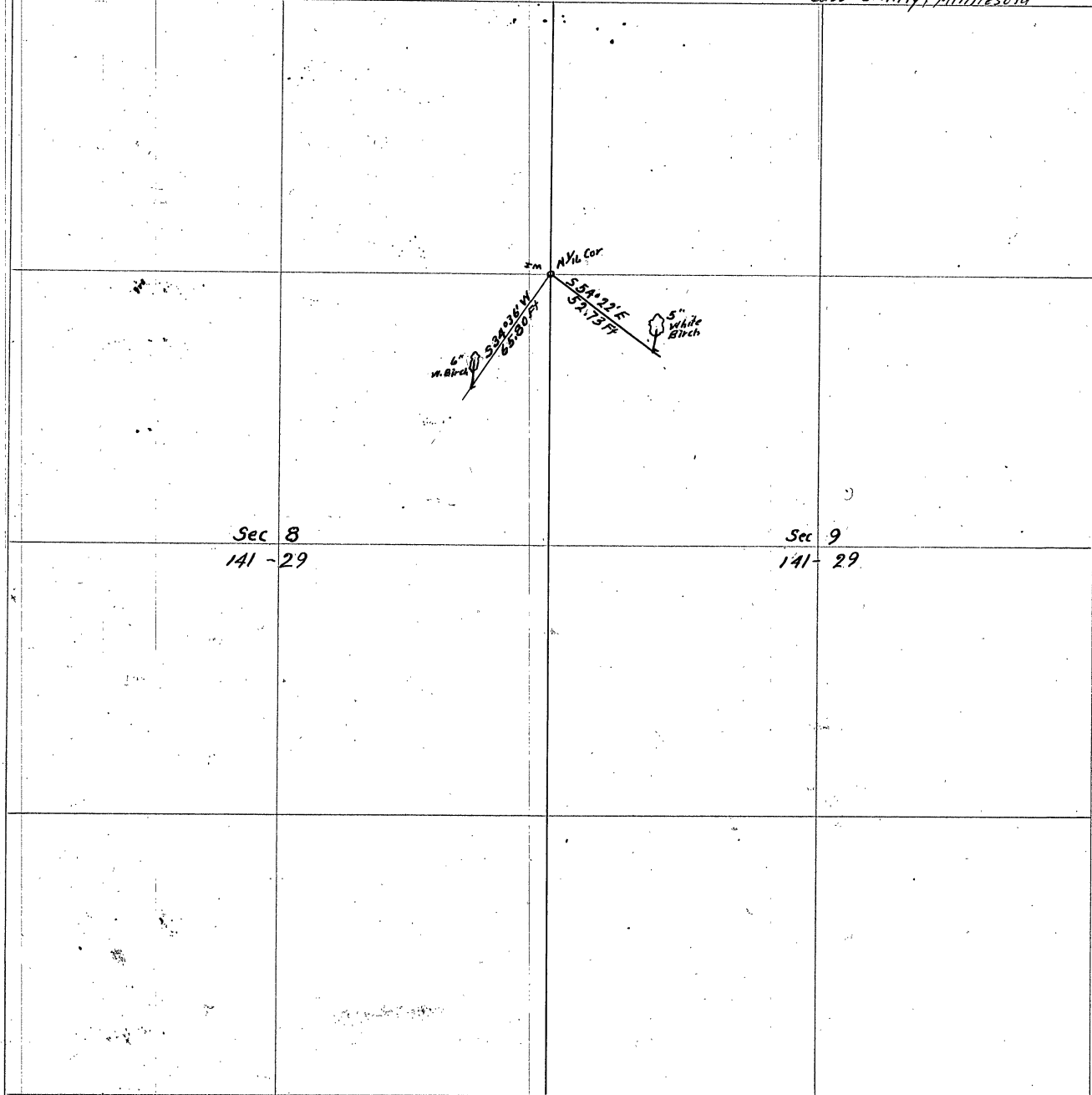
Recorded this 1st day of March 1951

Harold Curo
County Surveyor Cass County

D

Sections 8 and 9 Twp 141ⁿ R9e 29^w of the 5th P.M.

Survey Record No 627
Cass County, Minnesota



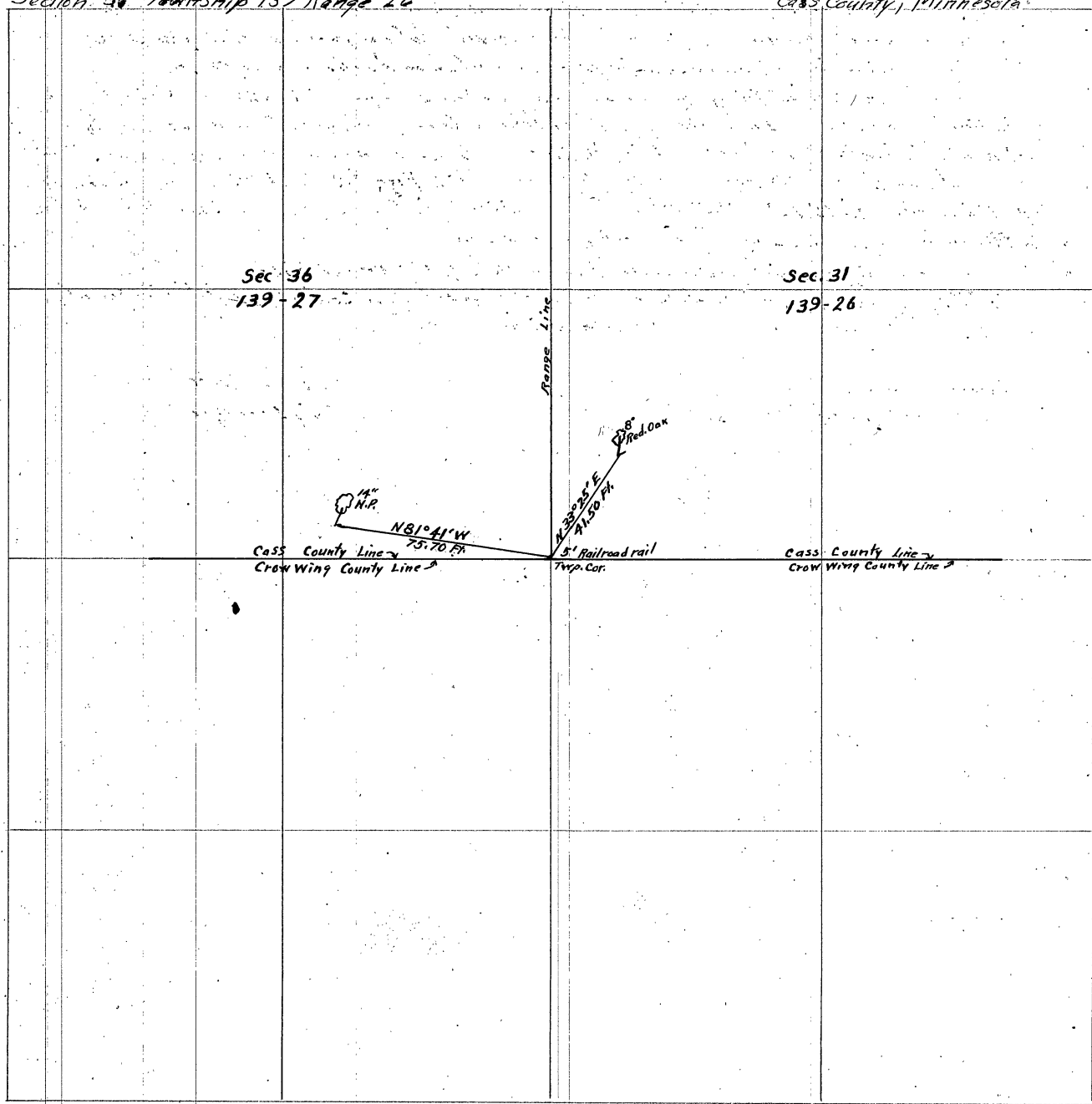
Sec 8
141-29

Sec 9
141-29

D

Section 36 Township 139 Range 27
Section 31 Township 139 Range 26

Survey Record No 628
Cass County, Minnesota



Section 36 Township 139 Range 27

Surrey Record N^o 628

Section 31 Township 139 Range 26

Cass County, Minnesota

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County, Minnesota in the above named sections as shown by the annexed plat on page 362 of this Book "D" of the County record book of surveys. said plat is a part of said notes and is correct

At the township corner being the S.W. corner of Section 31 Twp. 139 Rge. 26 and the SE corner of Section 36 Twp 139 Rge. 27. on the County line between Cass County and Cross Wing County I set a 5 foot length of Railroad rail for the true Township corner and mark trees B.T. as follows

Transit over the true Twp corner I set North along true ~~top~~ Rge line and run into Section 31 Twp. 139-26 Viz N. 33° 25' E 41.50 feet to a Birch Red Oak tree; thence I run West 22.86 feet to the Rge. line; thence I run south 35.01 feet as a check to the corner

From said Twp. corner I run into Section 36. Twp 139 Rge. 27 Viz:

N 81° 41' W. 75.70 feet to a 16 inch Norway Pine tree; thence I run South 10.95 feet to the county line; thence East 74.90 feet. as a check to the corner

Surveyed August 5th 1950
Recorded this 8th day of March, 1951

Harold Curo
County Surveyor Cass County

Survey Record No 629

Cass County, Minnesota

Section 19 and 30 Township 144 Range 29

Field Notes

Field notes of the survey made by Harold Curo, County Surveyor of Cass County, Minnesota, in the above named sections as shown by the annexed plat on page 365 of this book "D" of the County Record Book of Surveys is correct. Said plat contains a part of said field notes.

At the $\frac{1}{4}$ corner between sections 19-30 Twp. 144 Rge. 29 I find a Brass capped monument set by the Gov't. in their re-survey of the Indian lands. As the B.S. marked in said Gov't re-survey have blown over I mark New ones Viz:

Transit over said $\frac{1}{4}$ corner I site East on E $\frac{1}{16}$ corner and run into section 30 T. 144 Rge. 29, as follows. S. $88^{\circ}30'$ E. 6.90 feet to a 20 inch Bass wood tree; thence I run North .18 of a foot to the North line of said section 30; thence West 6.90 ft. as a check to the corner.

From said $\frac{1}{4}$ corner I run into section 19 T. 144 Rge. 29 Viz:

N. $49^{\circ}36'$ W 32.90 feet to a Birch Balsam tree; thence I run South 21.32 feet to the section line; thence I run East 25.05 feet as a check to the corner.

Surveyed Nov. 23, 1950

Recorded this 13th day of March 1951

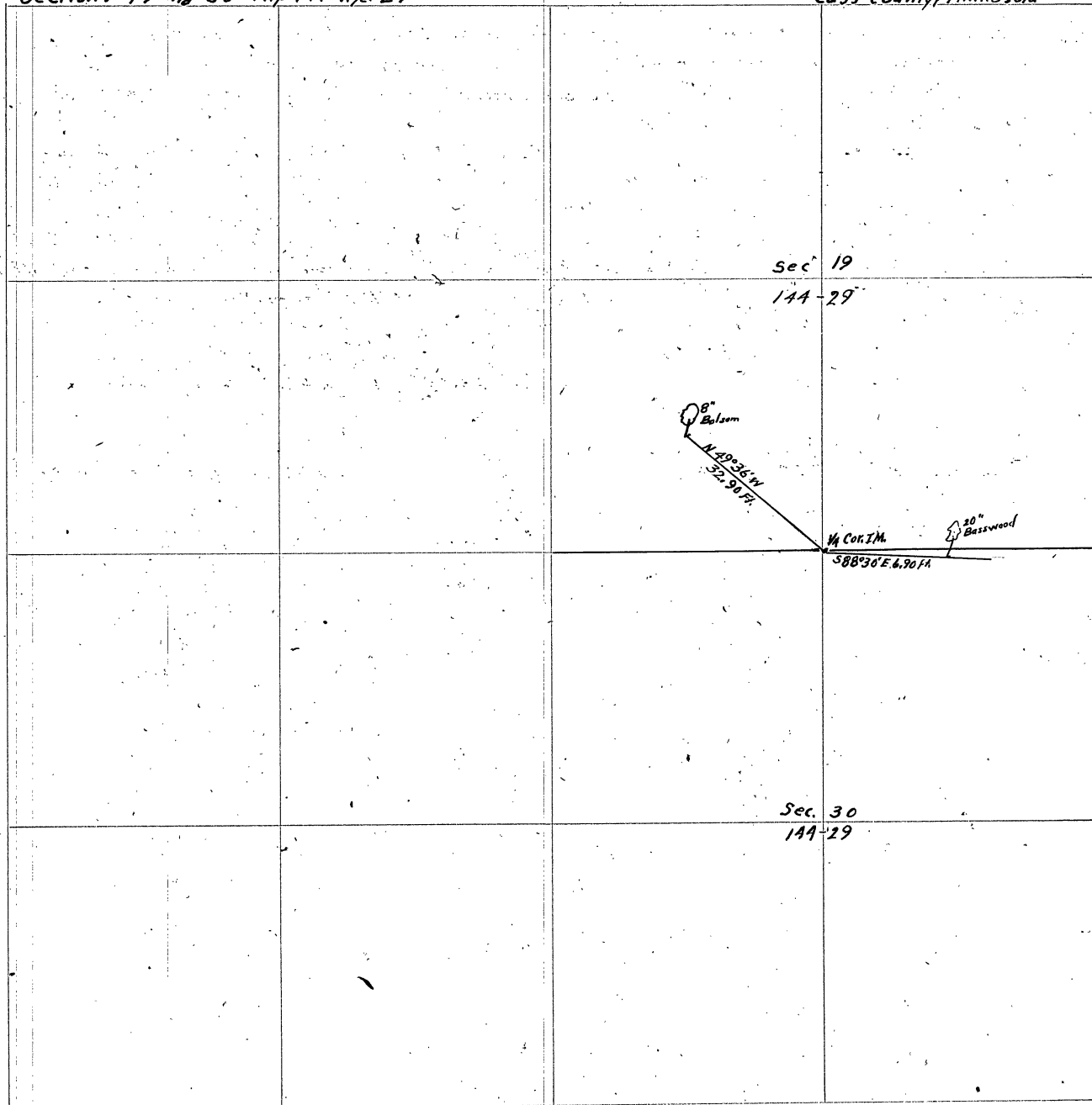
Harold Curo

County Surveyor Cass County

D

Sections 19 and 30 Twp 144 Rge 29

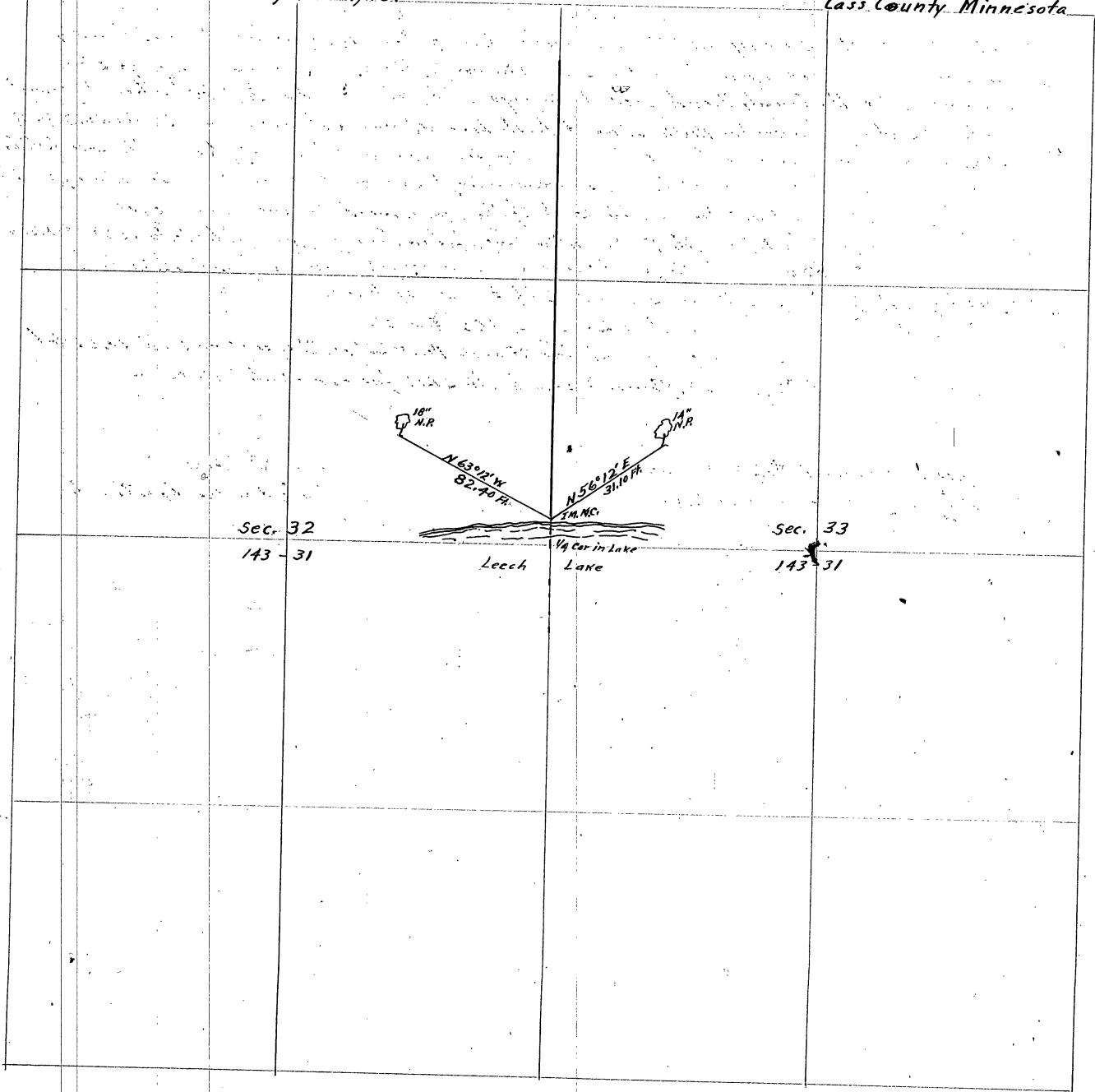
Survey Record No 629
Cass County, Minnesota



D

Sections 32 and 33 Twp. 143 Rge. 31

Survey Record No 630
Cass County Minnesota



D

Sections 32 and 33 Twp 143 Rge 31

Survey Record No. 630
Cass County, Minnesota

Field Notes

Field notes for the survey made by Harold Curo County Surveyor of Cass County Minnesota in the above named sections as shown by the annexed plat on page 366 of this book "D" of the County Record Book of Surveys. Said plat is a part of said field notes and is correct

At the Meander Corner on the North Shore of Leach Lake between Sections 32 and 33 Twp. 143 Rge 31 I find a brass capped monument which the ice of the lake has pushed out of place. After re-establishing the true point for corner I re-set the brass capped monument and mark bearing trees to the true point can be located again without too much work if the monument is ever moved again

From the true point for M.C. I set North on the true section line and run into Section 33 T. 143 R. 31 viz:
N. 56°12'E 31.10 feet to a 14 inch Nor. Pine tree; thence I run West 25.84 feet to the West line of said Sec. 33; thence South 17.30 feet as a check to the corner.

From said Corner I run into Section 32 T. 143. Rge 31. viz:
N 63°12'W 82.40 feet to a 18 inch Nor. Pine tree; thence I run East 73.55 feet to the East line of said Section 32; thence I run South 37.15 feet as a check to the corner

Surveyed and checked Dec. 29th 1949
Recorded this 17th day of March, 1951

Harold Curo
County Surveyor, Cass County

Section 36 Twp. 143 Rge. 31
 " 31 " 143 " 30
 " 6 " 142 " 30
 " 1 " 142 " 31

Survey Record No 631
 Cass County Minnesota

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County Minnesota in the above named sections as shown on the annexed plat on page 369 of this Book "D" of the County Record Book of Surveys. Said plat being a part of said field notes and is correct.

At the twp. corner I find a brass capped Monument and as the old B.T.s seem to be gone I mark new ones ~~X~~ viz:

Transit over said corner I site South on the true ~~X~~ Range line and run in to Section 36 T. 143 R. 31

N. $23^{\circ}00'$ W 29.05 feet to a 14 inch Red Oak tree; thence I run East 11.35 feet; thence South 26.74 feet as a check to the corner

Transit still at said corner I run into Section 31 T. 143 Rge. 30

N. $11^{\circ}49'$ E 25.90 feet to a 12 inch Red Oak Tree; thence I run South 25.35 feet to the South line of Section 31; thence I run West 5.30 feet as a check to the corner

From said corner I run into section 6 T. 142 Rge 30 viz:

S. $33^{\circ}16'$ E 32.20 feet to a 8 inch White Oak Tree; thence I run West 17.66 feet to the West line of Section 6; thence I run North 26.92 feet as a check to the corner

Transit still over said corner I run into Section 1 Twp 142 Rge 31 viz:

S. $5^{\circ}21'$ W. 10.42 feet to a 5 inch white Oak Tree; thence I run East .97 of a foot to the East line of said section 1; thence I run North 10.37 feet as a check to the corner

Surveyed June 2nd 1950

Recorded this 20th day of March 1951

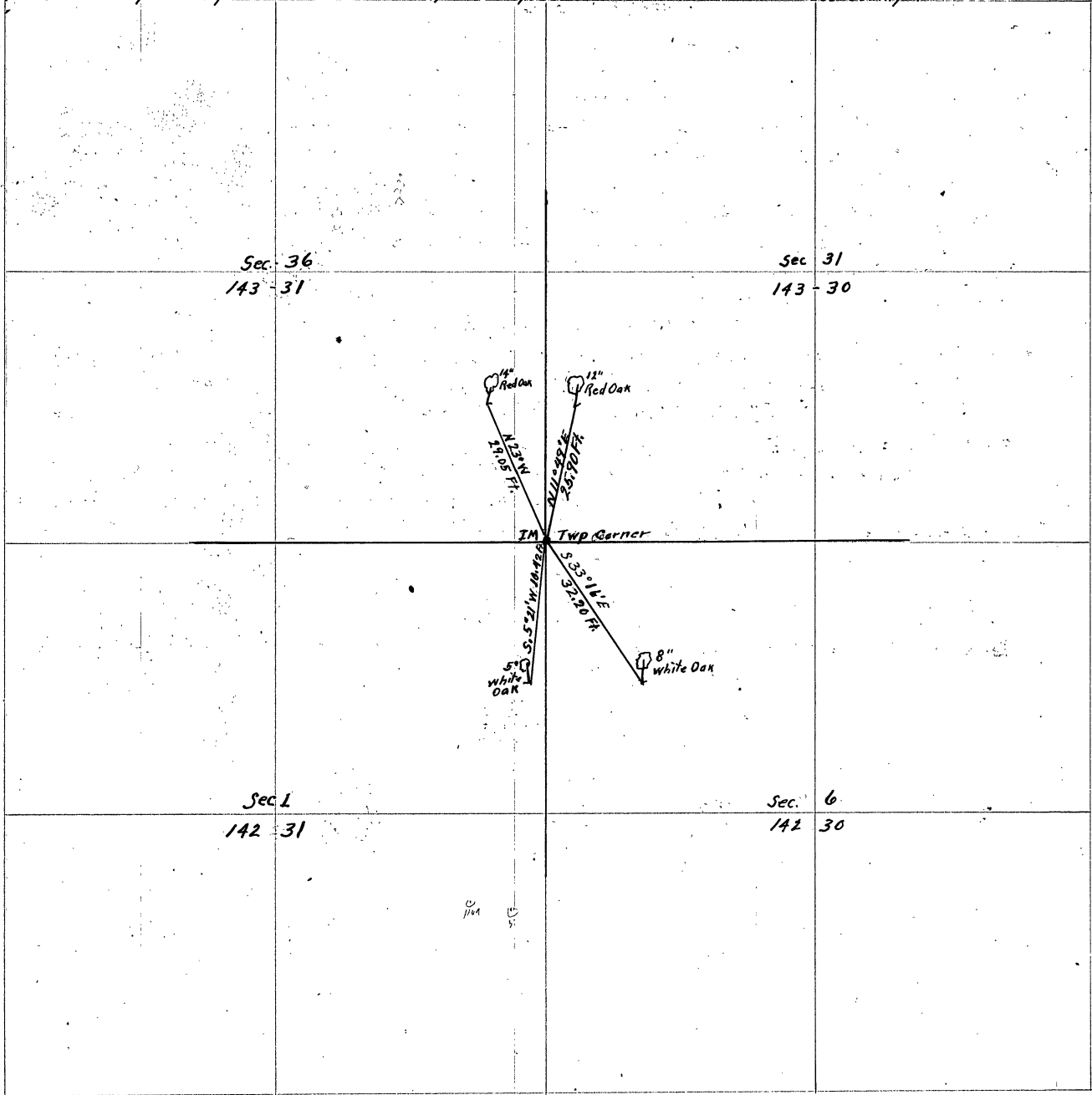
Harold Curo

County Surveyor of Cass County

D

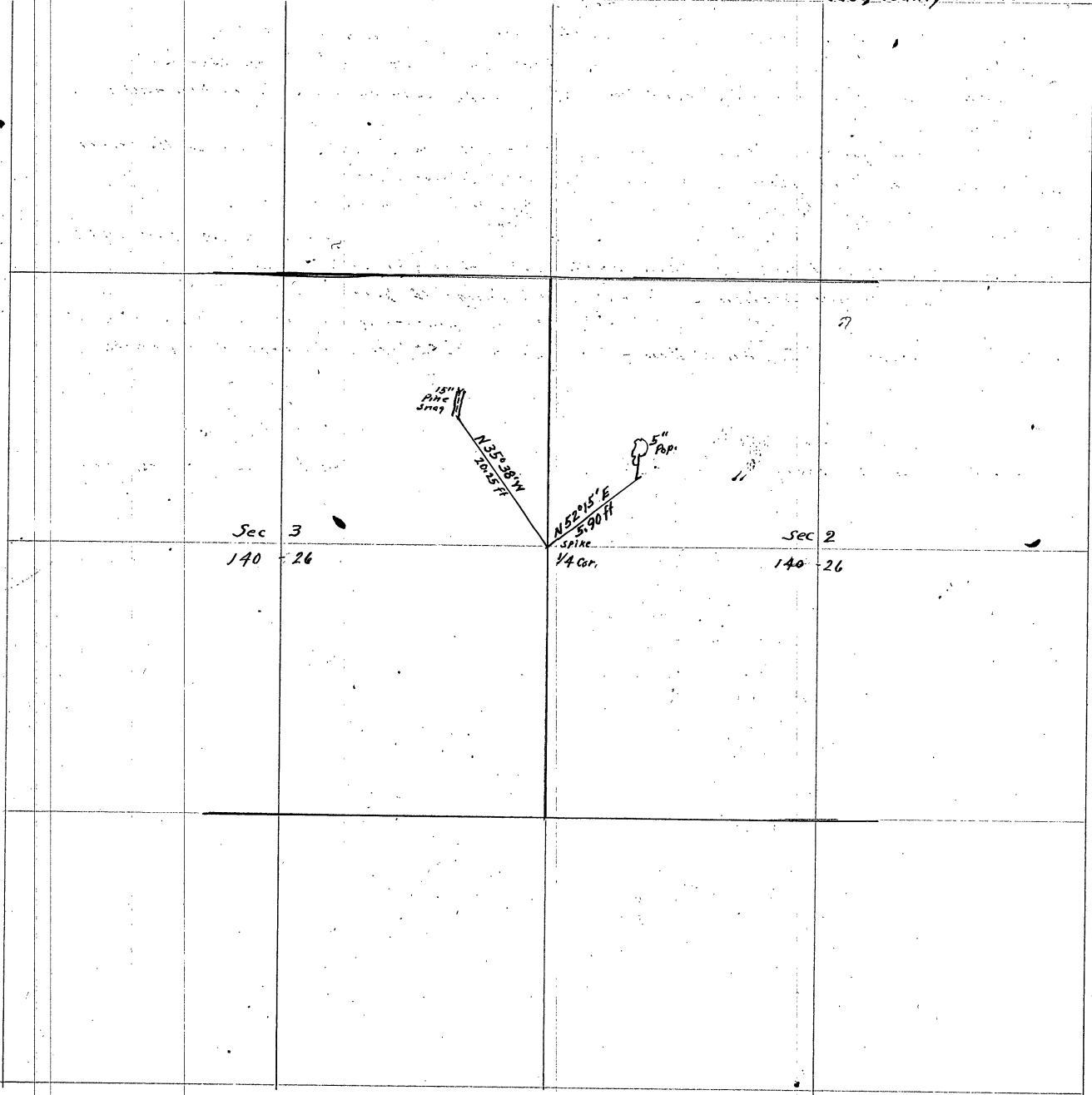
Section 36 Twp 143 Rge. 31 Section 31 Twp 143 Rge 30
Section 6 Twp 142 Rge 30 Section 1 Twp 142 Rge. 31

SURVEY Record No 631
Cass County Minnesota



Sections 2 and 3 Township 140 Range 26

Survey Record No 632
Cass County Minnesota



D

Sections 2 and 3 Twp 140 Rge. 26

Survey Record N^o 632
Cass County Minnesota

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County, Minnesota in the above named Sections as shown by the annexed plat on page 370 of this book "D" of the County Record Book of Surveys. said plat is a part of said field notes and is correct.

At the point for the 1/4 corner between said Sections 2 and 3 I drive a spike for the corner with a stake to mark the place and mark bearings as follows viz:

Transit over said 1/4 corner I run into Section 2 T. 140 R. 26 as follows:

N. 52° 15' E. 5.95 feet to a 5 inch Poplar tree: thence I run West 4.70 feet to the west line of said section 2; thence South 3.64 feet as a check to the corner.

I also run into Section 3 Township 140 Range 26 viz:

N. 35° 38' W. 20.25 feet to a 15 inch pine snag: thence I run East 16.80 feet to the East line of said Section 3; thence I run South 16.80 feet to the corner as a check

Surveyed April 16th 1949
Recorded this 30th day of March 1951

Harold Curo
County Surveyor of Cass County

Sections 17, 18, 19 and 20 Twp 138 R. 32

Survey Record No 633
Cass County, Minnesota

Field Notes

Field notes of the survey made by Harold Cass County Surveyor of Cass County, Minnesota in the above named sections as shown by the annexed plat on page 373 of this book "D" of the County Record Book of Surveys is a part of said notes and is correct.

At the corner to Sections 17-18-19-20 Twp 138 Rge. 32 by digging up the road I find the old cement corner one foot below ground. I take ties to this corner and so other surveyors will not have to dig up the whole road I record these bearings in this book "D" County Record Book of Surveys

From the corner to sections 17-18-19 and 20 T. 138 R. 32 I run into section 17. Viz:

N. $56^{\circ}10'$ E 77.60 feet to a 10 inch Jack Pine Tree; thence I run South 43.21 feet to the South line of Section 17; thence West 65.46 feet as a check to the corner

From said corner I run into section 18 T. 138 R. 32 Viz:

N $49^{\circ}50'$ W 53.75 feet to a spot on a SE. rod of a 12 inch Jack Pine Tree; thence I run South 34.67 feet to the South line of said section 18; thence I run East 41.07 feet as a check to the corner

From said corner I run into section 19. Viz:

S. $26^{\circ}53'$ West 40.85 feet to a 7 inch Jack Pine Tree; thence I run East 18.47 feet to the East line of said section 19; thence North 36.44 feet as a check to the corner

From said corner I run into section 20. Viz:

S. $46^{\circ}46'$ E 85.28 feet to a 13 inch Jack Pine Tree; thence I run North 58.41 feet to the Northline of said section 20; thence I run West 62.13 feet as a check to the corner

Surveyed and checked Oct. 26th 1948

Recorded this 2nd day of April 1951

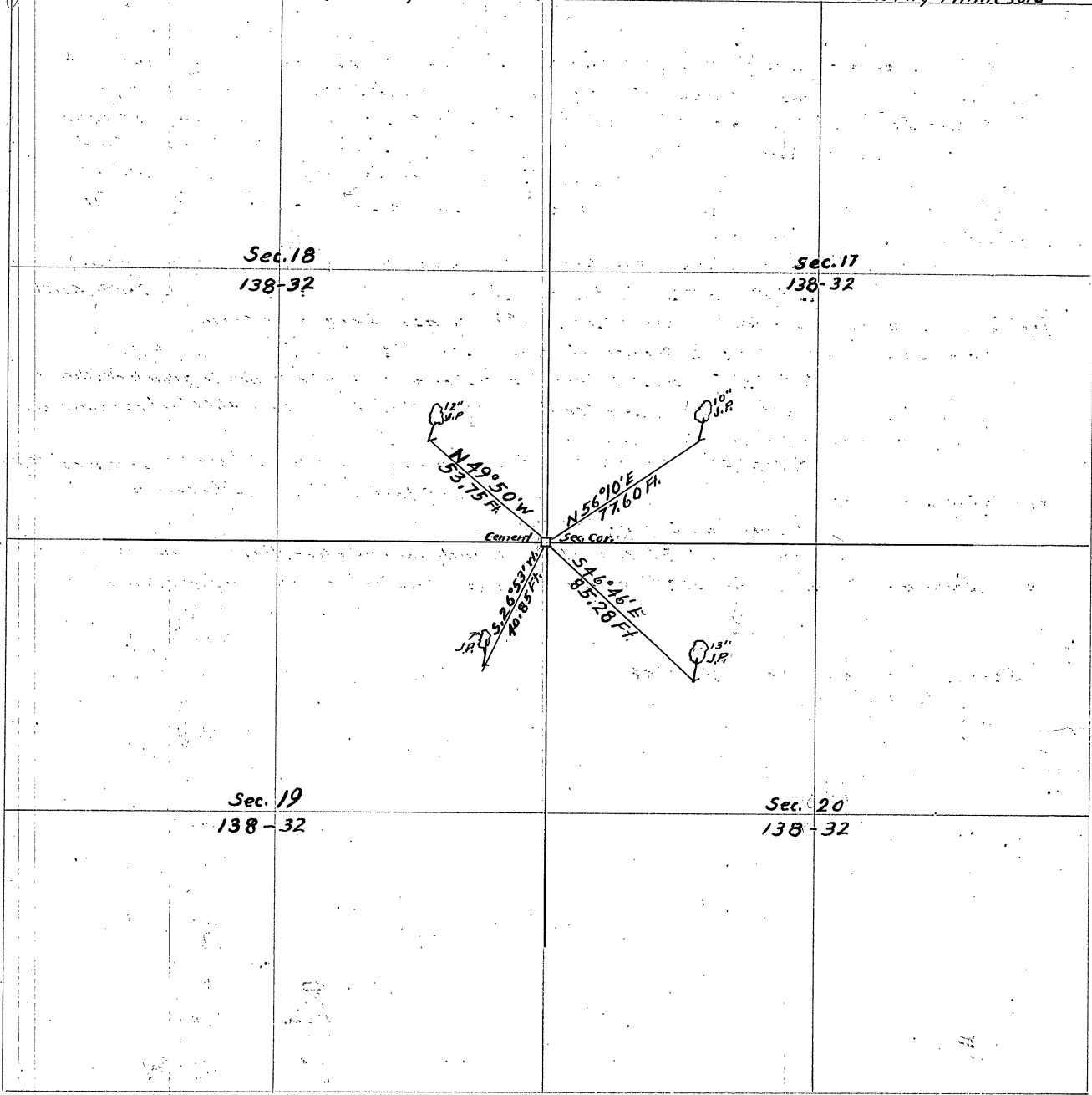
Harold Cass

County Surveyor Cass County

D

Sections 17-18-19 and 20 Twp 138 Rge 32

Survey Record No 633
Cass County Minnesota



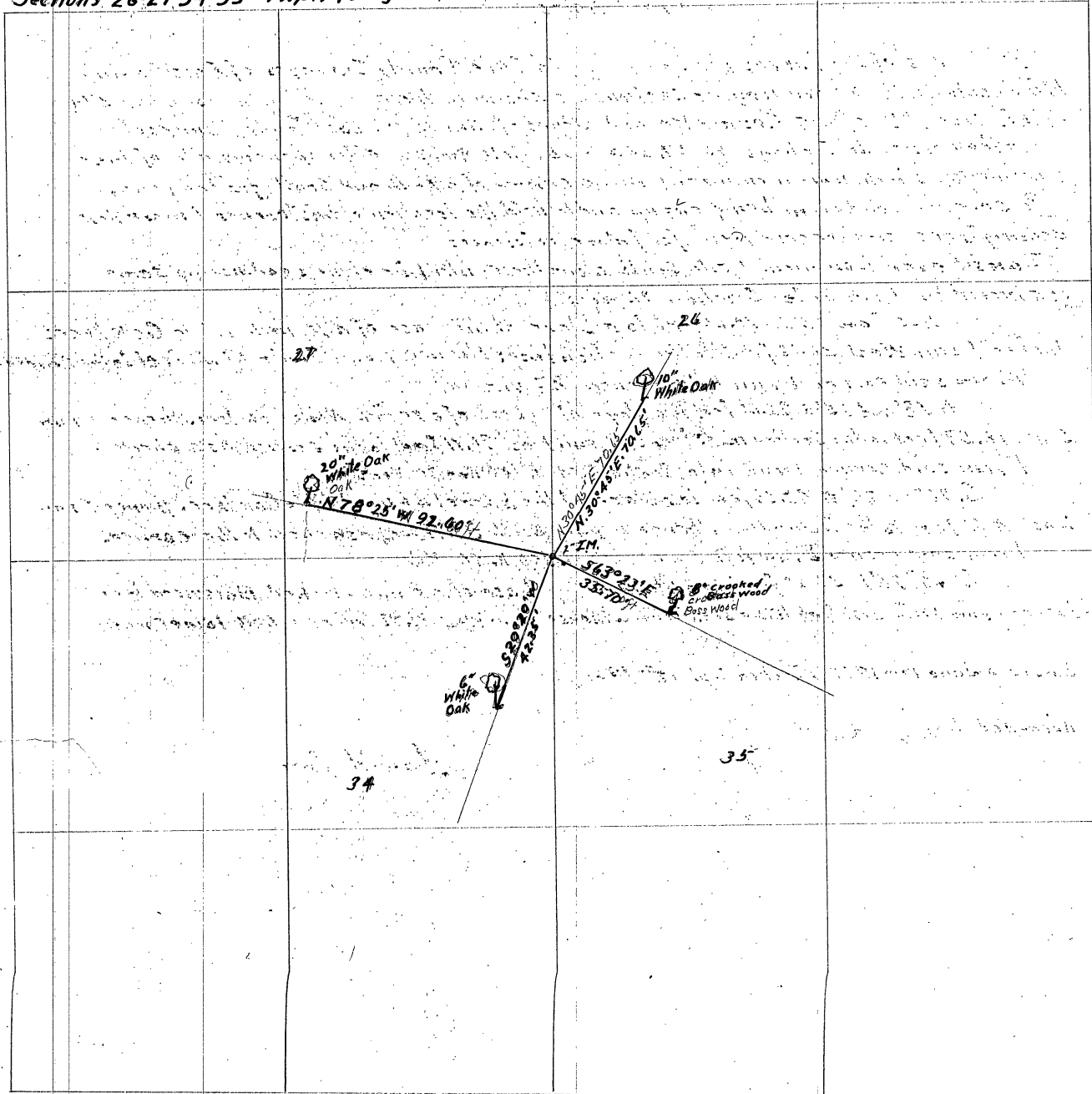
Sec. 18
138-32

Sec. 17
138-32

Sec. 19
138-32

Sec. 20
138-32

Sections 26-27-34-35 - Twp. 140. Rge. 30 - S0.



D

Sections 26-27-34 and 35, Twp. 140^N Rge 30^W of the 5th PM.

Survey Record No 634

Cass County, Minnesota

Field Notes

Field Notes

Field notes of the survey made by Harold Curo, County Surveyor of Cass County, Minnesota in the above named sections as shown by the annexed plat on page 374 of this Book "D" of the County Record Books of Surveys, Cass County, Minnesota

At the corner to Sections 26, 27, 34 and 35 T. 140 Rge. 30 after spending a lot of time I locate the 2 inch iron monument in the center of a North and South graded road.

To save the road from being dug up and to hold the location of this corner I mark New Bearing trees and record them for future references.

Transit over iron mon. I site South along the center line of the road using same as a meridian. I run into Section 26 viz:

N. 30° and 45' E 70.65 feet to a blaze at the base of a 10 inch White Oak tree; thence I run West 36.12 feet to the Section line; thence I run South 60.72 feet to the Cor. as a check.

From said corner I run into Section 27 viz

N 78° and 25' W 92.60 feet to a blaze at the base of a 20 inch White Oak tree. thence I run South 18.59 feet to the Section line; thence I run East 90.71 feet to the corner as a check.

From said corner I run into Section 34 T. 140 Rge 30 viz:

S. 20° and 20' W 42.35 feet to a blaze at the base of a 6 inch White Oak tree. thence I run East 14.72 feet to the Section line. thence I run North 39.71 feet as a check to the corner.

From said corner I run into Section 35 T. 140 R. 30 viz:

S 63° 23' E 35.70 feet to a blaze at the base of a 8 inch crooked Basswood tree thence I run North 15.99 feet to the Section line. thence I run West 31.92 feet as a check to the corner.

Surveyed June 17th 1947 checked Sept 12th 1951

Recorded this 16th day of September 1951

Harold Curo

HAROLD CURO
COUNTY SURVEYOR
CASS COUNTY, MINN.

Survey Record No. 635
Cass County Minnesota

Sections 2 and 3 Twp. 141. Rge 26
" 34 and 35 " 142 " 26

Field Notes.

Field notes of the survey made by Harold Curo County Surveyor of Cass County, Minnesota in the above named Sections as shown by the annexed plat on page 377 of this Book "D" of the County Record Books of Surveys.

This survey was to locate the true Township line between Twp. 141 and 142 Range 26 along the East half mile between Section 3-141-26 and Section 34 T. 142. R. 26. So as to put the road known as the Sand Lake Road on the true line. I leave Walker and drive to Remer where I meet Art. Peterson we drive to the corner to Sections 2-3 T. 141-26 and 34-35-T. 142 R. 26. at this point after digging up a lot of the graded road which runs North and South. We find the iron section corner in the centerline of said N+S road. We find it has been broken off and twisted out of shape by the road grader. I try to take it out so as to replace it with a new iron, but can not do so. I set a 120¢ spike at true point for this corner. 4 inches below the road surface and mark the following new Bearing Trees, using the True Town line West as a meridian

I run into Section 35 T. 142 R. 26 viz: N. 77° 12' E 140.50 feet to a blaze at the base of a 10" Spruce tree thence I run South 31.13 feet to the Section line: thence I run West 137.01 feet as a check to the corner.

From said corner I run into Section 34 T. 142 R. 26 viz: N. 14° 30' W. 79.25 feet to a blaze at the base of a 5 inch White Oak tree: thence I run East 19.84 feet to the Section line, thence I run South 76.73 ft. as a check to the cor.

From said corner I run into Section 3. Twp 141 Rge 26 viz: S. 16° 53' W 82.35 feet to a spot at the base of a 12" Tel. pole, thence I run East 23.92 feet to the Section line, thence I run North 78.80 feet as a check to the corner.

From said corner I run into Section 2 Twp 141 Rge 26 viz: S. 36° 40' E 126.80 feet to a blaze at the base of a 4 inch Basswood Tree, thence I run West 75.22 feet to the Section line, thence I run North 101.71 feet as a check to the corner

Surveyed Aug. 22, 1951

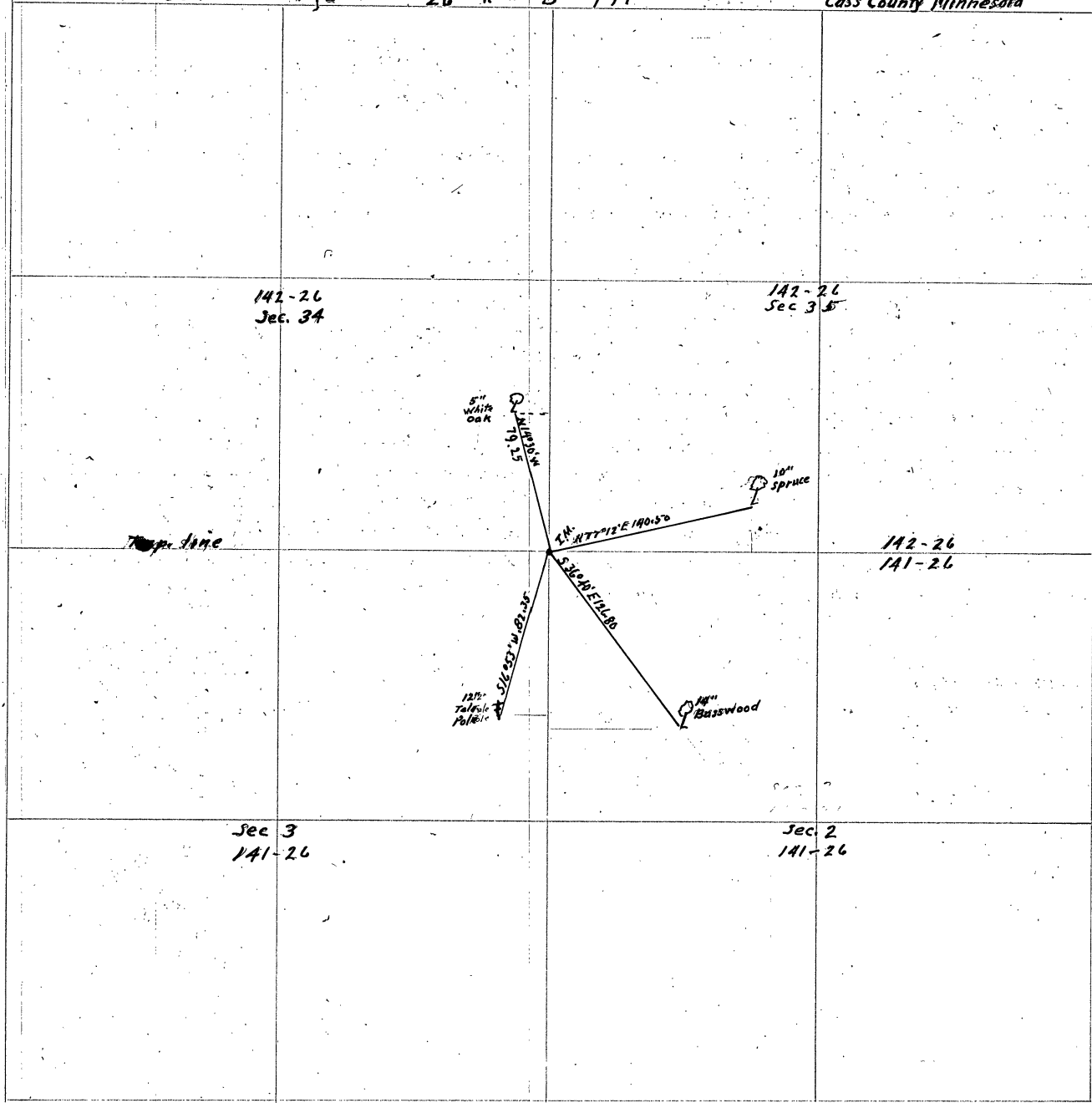
Recorded this 16 day of Sept

Harold Curo
Harold Curo County Surveyor
of Cass County, Minnesota

D

Sections 2 and 3 Township 141^N Range 26^W of the 5th PM
" 34 " 35 " 142^N " 26^W " " 5th PM

Survey Record No 638
Cass County Minnesota



142-26
Sec. 34

142-26
Sec. 35

Top line

142-26
141-26

Sec. 3
141-26

Sec. 2
141-26

5" White oak
19.15

10" Spruce

12" Tallish Pole

10" Basswood

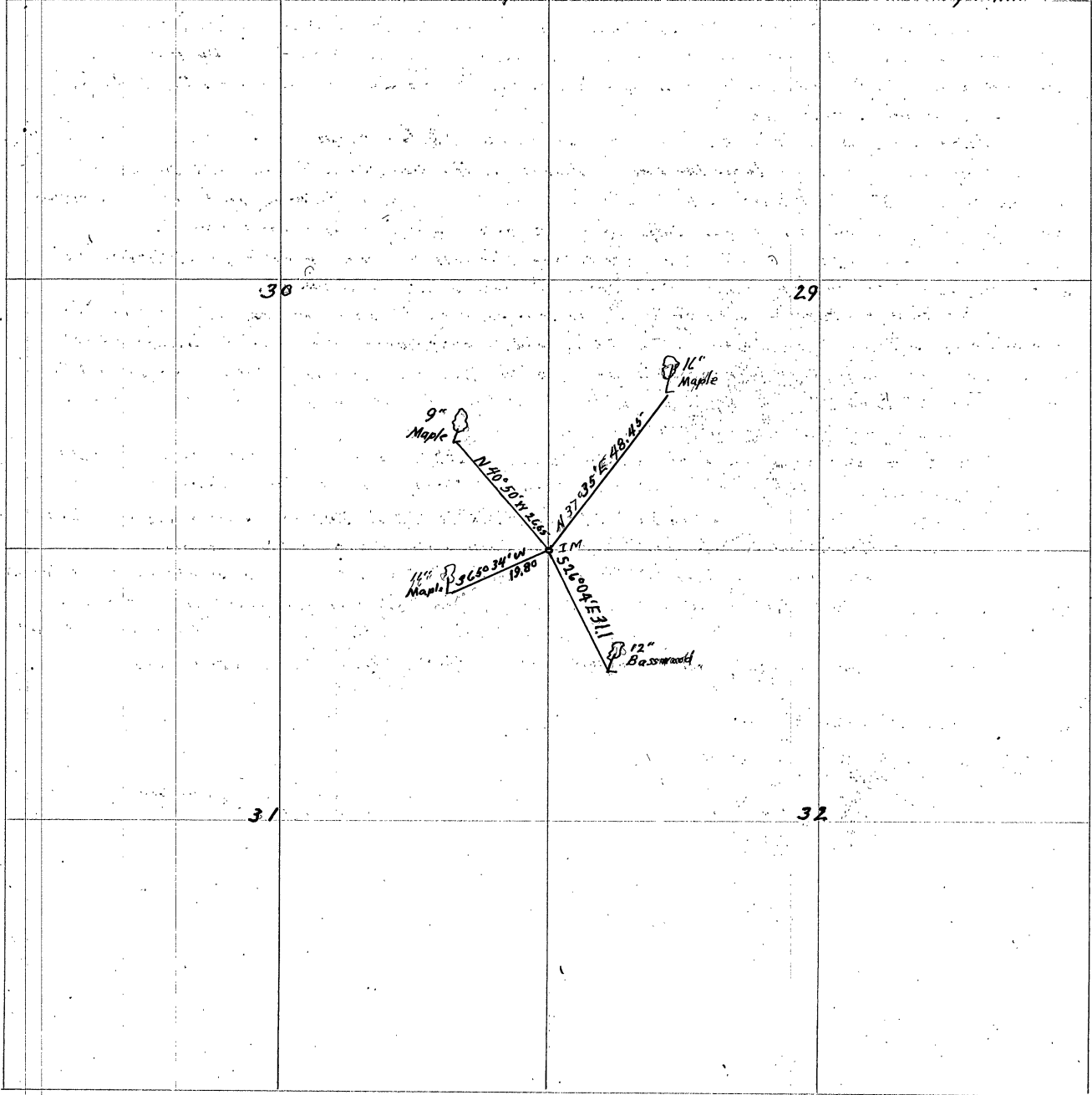
1/4 Sec 34

1/4 Sec 35

5640
E124.86

Sections 29-30-31-32 Twp 142N Range 27W of the 5th PM.

Survey Record No. 636
Cass County Minnesota



D

Sections 29-30-31 and 32 Twp 142^N Rge. 27^W of the 5th P. M.Survey Record No 636
Cass County, Minnesota

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County, Minnesota, in the abovenamed Sections as shown by the annexed plat on page 378 of this Book "D" of the County Record Books of Surveys. Said plat is a part of said field notes and is correct

June 6th 1951 I take my two sons Donald and Edward Curo and drive to Section 29 Twp 142 Rge 27 where we leave the car and look for the corner to Sections 29-30-31 and 32 Twp 142 Rge 27. We find said corner after spending half a day looking for it. at this corner we find a 2" pipe with a 2" brass cap on top as it is late we drive back to Walker

Sunday June 10th 1951 I pick up Fred Nichols and we drive to Sec. 29-142-27 where we leave the car and walk to the corner to Sections 29-30-31 and 32.

Transit over corner We run East 1004.40 feet and tie into the Gov't M.C. on the South line of Section 29 between Sections 29-32 of said Twp and Range at a point 668.28 feet East I set a 2x30 inch Iron Pipe for the S.E. corner of the West half of Gov't lot 7 Section 29 T 142 R 27

Transit over I.M. Corner to Sections 29-30-31-32 using the true South line of Section 29 as East and West. I mark new Bearing trees as follows

From said corner I run into Section 29 viz: N. 37° 35' E 48.45 feet to a blaze at the base of a 16 inch Maple tree, from which I run West 29.55 feet to the Section line, thence I run South 38.40 feet as a check to the corner

From said corner I run into Section 30-142-27 viz: N. 40° 50' W 26.65 feet to a blaze at the base of a 9 inch Maple tree thence I run East 17.43 feet to the Section line, thence I run South 20.16 feet as a check to the corner.

From said corner I run into Section 31 T 142 R 27 viz: S. 65° 34' W 19.80 feet to a blaze at the base of a 16 inch Maple tree, thence I run North 8.19 feet to the Section line, thence I run East 18.03 feet as a check to the corner

From said corner I run into Section 32-T 142 R 27 viz S 26° 04' E 31.10 feet to a blaze at the base of a 12 inch Basswood tree, thence I run West 13.67 feet to the Section line, thence I run North 27.94 feet as a check to the corner

Surveyed June 6th to June 10th 1951

Recorded this 1 day of Oct. 1951

Harold Curo
Harold Curo County Surveyor
of Cass County, Minnesota

Sections 8-9-16-17 Twp 140ⁿ Rge 26^w of the 5th P.M.

Survey Record No 637
Cass County Minnesota

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County Minnesota in the above named sections as shown by the annexed plat on page 381 of this Book "D" of the County Record Books of Surveys. This plat is a part of said field notes and is correct.

At the corner to Sections 8, 9, 16 and 17 Twp 140 Rge 26 we find a pump point set for the corner to said sections. after checking this point we mark New Bearing Trees to help hold it and to make it easier to find next time. Crew. Einor Rosendahl and Ray Woolery ax, flag and chain Harold Curo Transit and chain

Transit over pump point corner to Sections 8, 9, 16 and 17 T. 140. R. 26 I run into Section 9 said T. & Rge as follows. N. 53° 13' E. 29.60 feet to a blaze spot at the base of a 5 inch poplar tree. thence I run South 17.72 feet to the Section line. thence I run West 23.71 feet as a check to the corner

From said corner I run into Section 8 - T. 140 R. 26 as follows N. 10° 13' W. 16.60 feet to a blaze spot at the base of a 14 inch Nor. Pine tree thence I run East 3.04 ft. to the Sec. line. thence I run South 16.34 ft. as a check to the corner

From said corner I run into Section 17 - T. 140 R. 26 as follows S. 55° 03' W. 37.80 feet to a blazed spot at the base of a 18 inch Jack Pine tree. thence I run North 21.66 feet to the Section line. thence I run East 30.98 feet to the corner as a check

From said corner I run into Section 16 T. 140 R. 26 as follows S. 41° 05' E. 29.95 feet to a blazed spot at the base of a 9 inch Poplar Tree. thence I run West 19.68 feet to the Section line. thence I run North 22.57 feet to the corner as a check

Survey made July 25th 1957

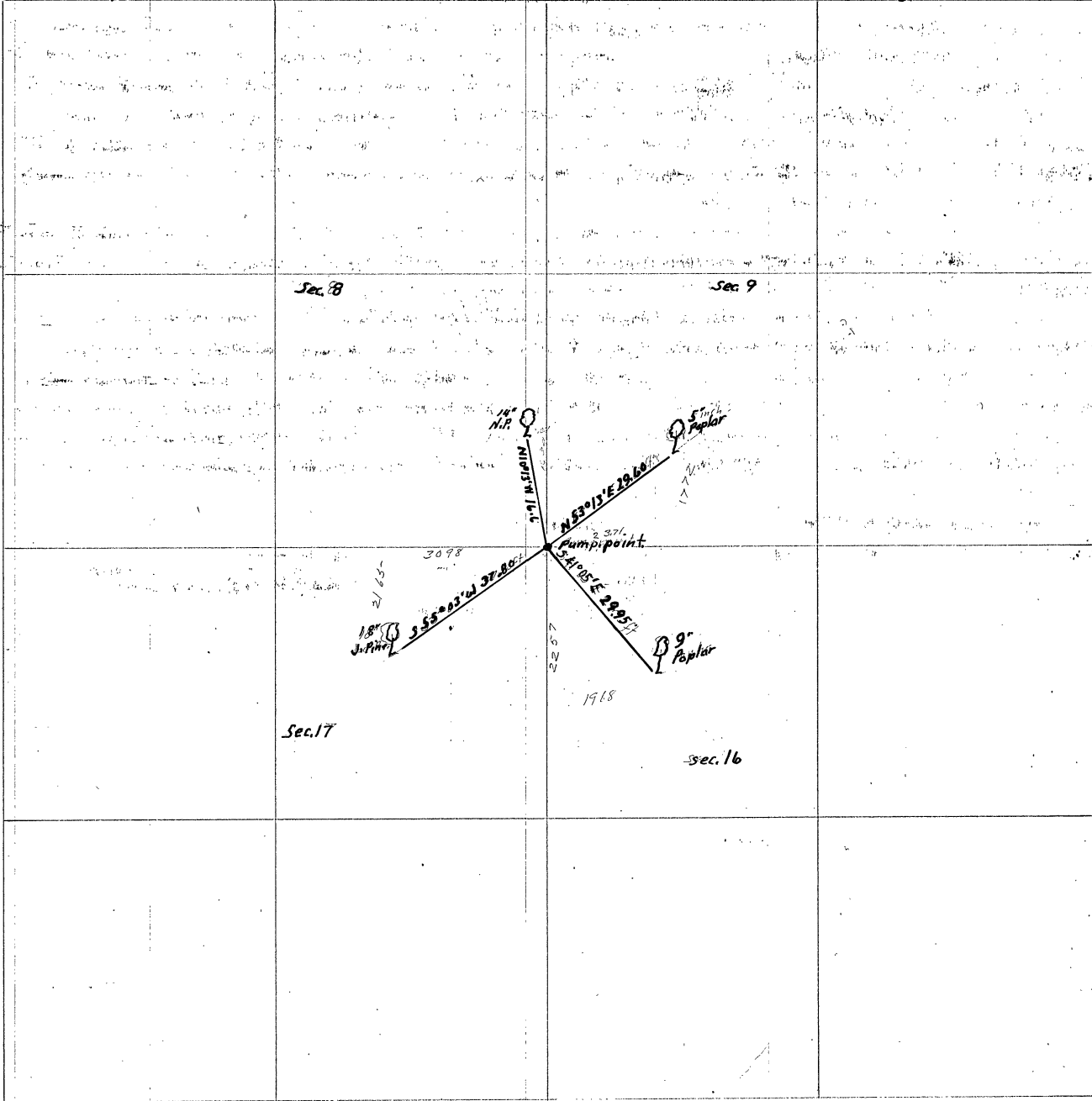
Recorded this 5 day of Oct 1957

Harold Curo
Harold Curo County Surveyor
of Cass County Minnesota

D

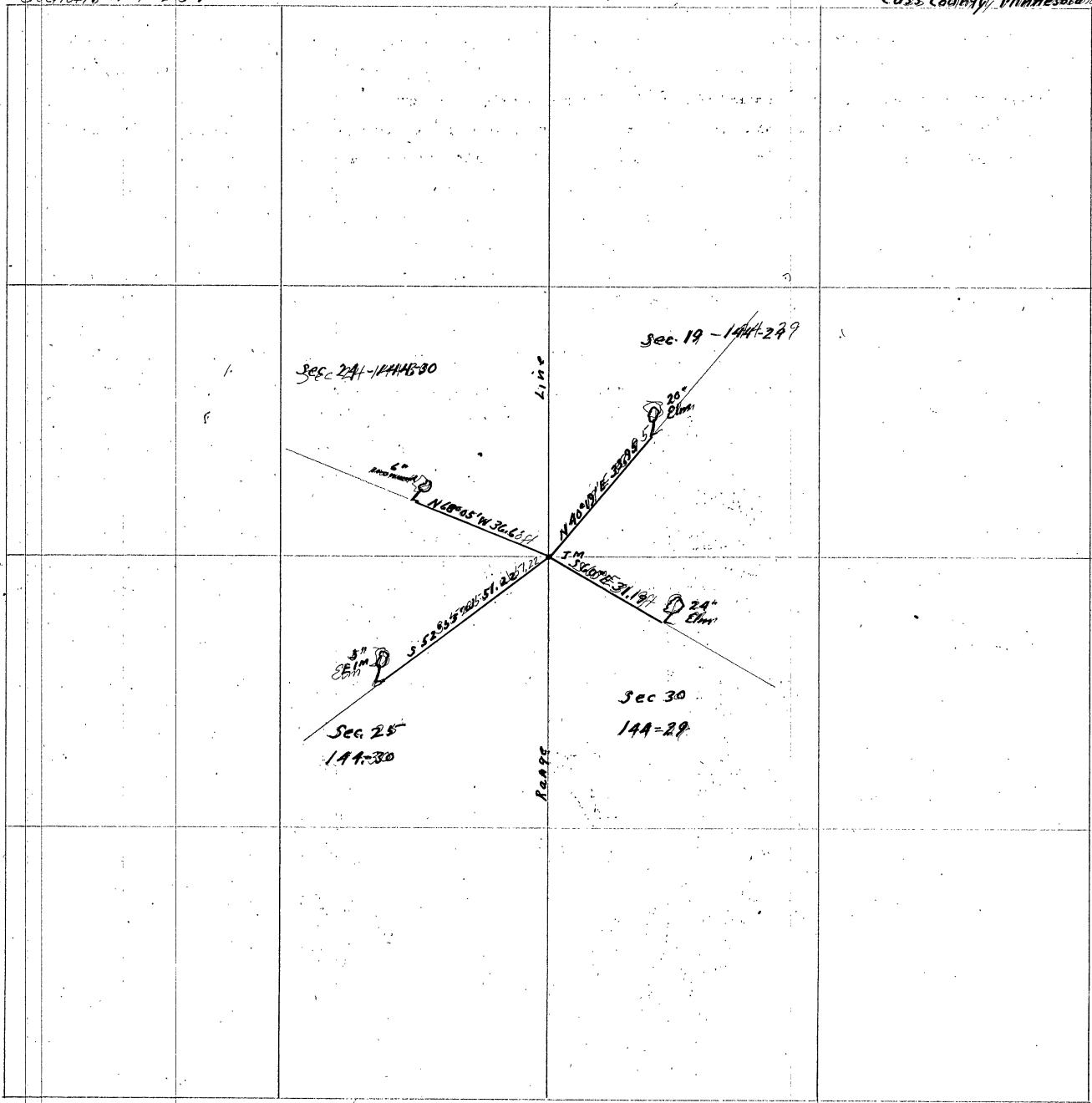
Sections 8, 9, 16 and 17 Twp 140^N Rge 26^W of the 5th P.M.

Survey Record No 637
Cass County, Minnesota



Sec. 19-30-144-29
Section 24-254-144-30-30

Survey Record No. 438
Cass County, Minnesota



D

Survey Record No 638

Cass County Minnesota

Sections 19th & 30th Twp 144^N Rge 29^W of the 5th PM
 " 24 and 25 " 144^N Rge 30^W " 5th PM.

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County Minnesota in the above named Sections as shown by the annexed Platon page 382 of this Book "D" of the County Record Books of Surveys is a part of said feild notes and is correct

At the corner to the above named Sections I spent sometime looking for the corner and as I could not find it I sent to Washington D.C. for the Notes of the Gov't re-survey. With these notes I find the stump of the S.E. tree plainly marked, the other three trees having been grubed out in making a road. I dig up the road and find the brass capped iron set by the Gov't. It has been pushed over. I dig it up and find that the bottom has not moved from its original location I straighten it up and drive it down 3 inches below the top of the road and mark the following New Bearing trees so future surveyors will have a chance to find this corner if it is ever needed again and record same

From this I.M. I run into Section 24 T. 144 R 30 as follows N 68° 05' W 36.60 feet to a blaze at the base of a 6 inch iron wood Tree. thence I run South 13.66 feet to the Section line. thence I run East 33.95 feet as a check to the corner

From said corner I run into Section 25 T. 144 R 30 as follows S. 52° 55' W 51.22 feet to a blaze at the base of a 5 inch Elm Tree. thence I run North 30.88 feet to the Section line. thence I run East 40.86 feet as a check to the corner

From said corner I run into Section 19 T. 144 R. 29 as follows N. 40° 19' E 33.95 feet to a blaze at the base of a 20 inch Elm Tree. thence I run West 21.97 feet to the Rge line. thence I run South 25.89 feet as a check to the Cor.

From the corner I run into Section 30 Twp 144 Rge 29 as follows S 60° 00' E 31.19 feet to a blaze at the base of a 24 inch Elm tree. thence I run North 15.60 feet to the Section line. thence I run West 27.01 feet as a check to the corner
 Courses taken from true Range line South as S. 3° E.

From said corner I run South 3° East on true Range line to the I.M. M.C. on top of the bank about 100 feet North of the shore of Leach Lake

Surveyed Nov. 22nd 1950 finished July 7th 1951

Recorded this 9 day of Oct 1951

Harold Curo

Harold Curo County Surveyor of
 Cass County Minnesota

SURVEY RECORD No 639

Cass County Minnesota

Sections 9 and 16 Twp. 136^N Rge 29^W of the 5th P.M.

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County Minnesota in the above named Sections as shown by the annexed Plat on page 385 of this Book "D" of the County Record Books of Surveys said plat is a part of said field notes and is correct

As the true point for Meander Corner No 25 on the West side of Lake Sibley between Sections 9 and 16 Twp 136 Rge 29 comes at the waters edge and as the ice will take it out I run West along the true Section line between Sections 9 and 16 a distance of 12.00 feet and set a 2X40" iron pipe for a Wit. Cor. to M.C. No 25 and mark the following New bearing trees to help hold the line where it belongs

From this Wit M.C. I run into Section 9 Twp. 136 Rge 29 as follows N 21° 03' E 28.50 feet to a blazed spot at the base of a 10 inch Red Oak Tree. thence I run South 26.60 feet to the section line. thence I run West 10.24 feet as a check to the corner

From said Wit M.C. I run into Section 16 Twp 136 Rge 29 as follows S 82° 03' W 41.90 feet to a blaze spot at the base of a 10 inch Nor. Pine Tree. thence I run North 5.80 feet to the section line. thence I run West 41.50 feet as a check to the corner Wit. M.C.

From the said Wit. M.C. I run West along the true Section line between said Sections 9 and 16 of said Twp and Rge a distance of 460 feet. then I run North parallel to the County line. said County line being the East line of said Section 9 at 33 ft. at 33 feet I set an I.M. at 661.00 feet I set an I.M. and run S 87° 46' W. 616 feet to the said East line of said Section 9 then I run South along the East Section line of said Section 9 to M.C. No 24 on the North shore of said Lake Sibley being a distance of 520 feet. thence I run South westerly following the shore of said Lake Sibley a distance of 228 feet more or less to the place of beginning @ M.C. No 25

Surveyed July 8th 1949

Survey checked for Recording

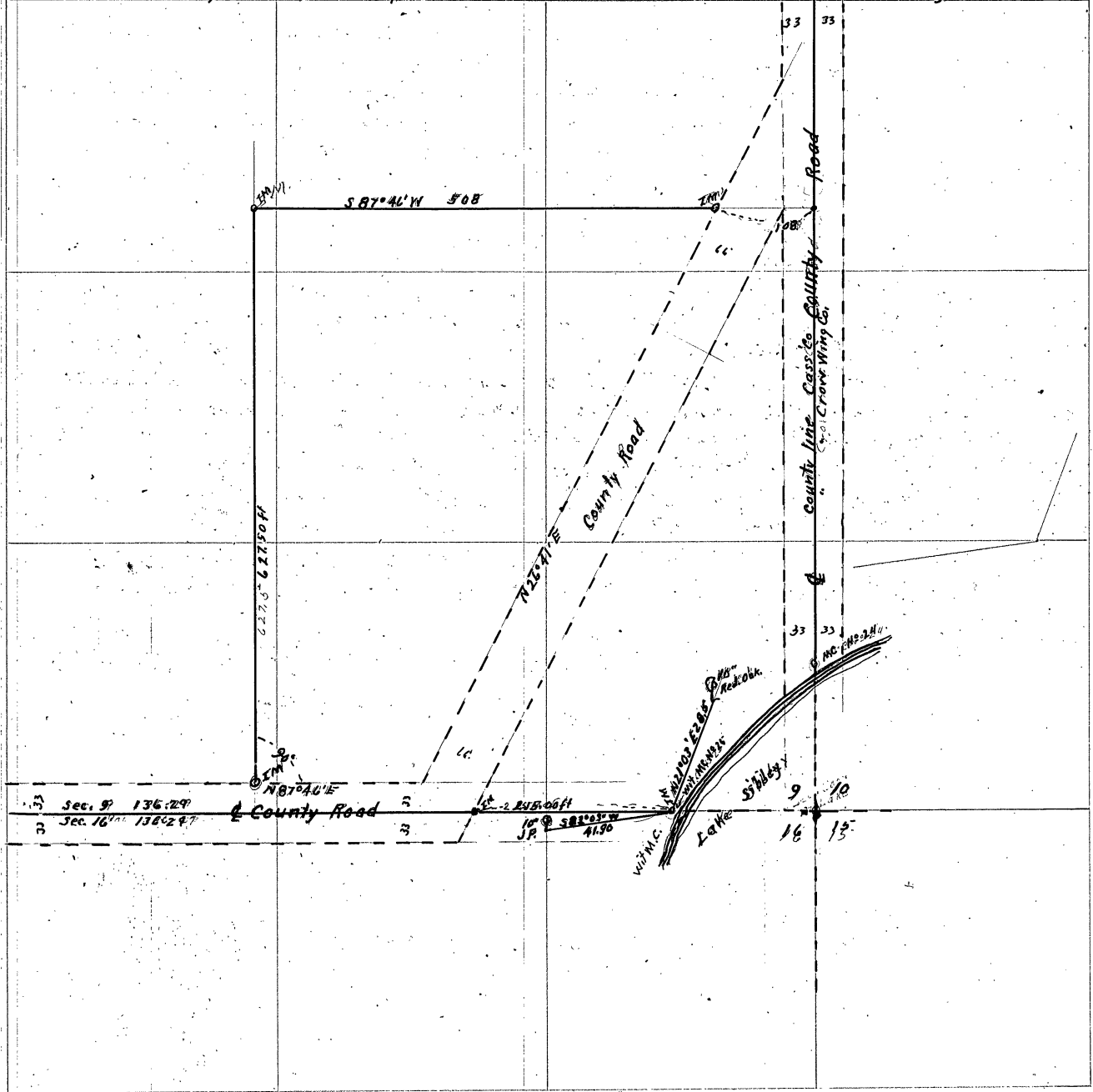
Recorded this 5 day of Nov. 1951

Harold Curo
Harold Curo County Surveyor
of Cass County Minnesota

D

Sections 9 and 16 Twp 136^N R9e 29^W of the 5th P.M.

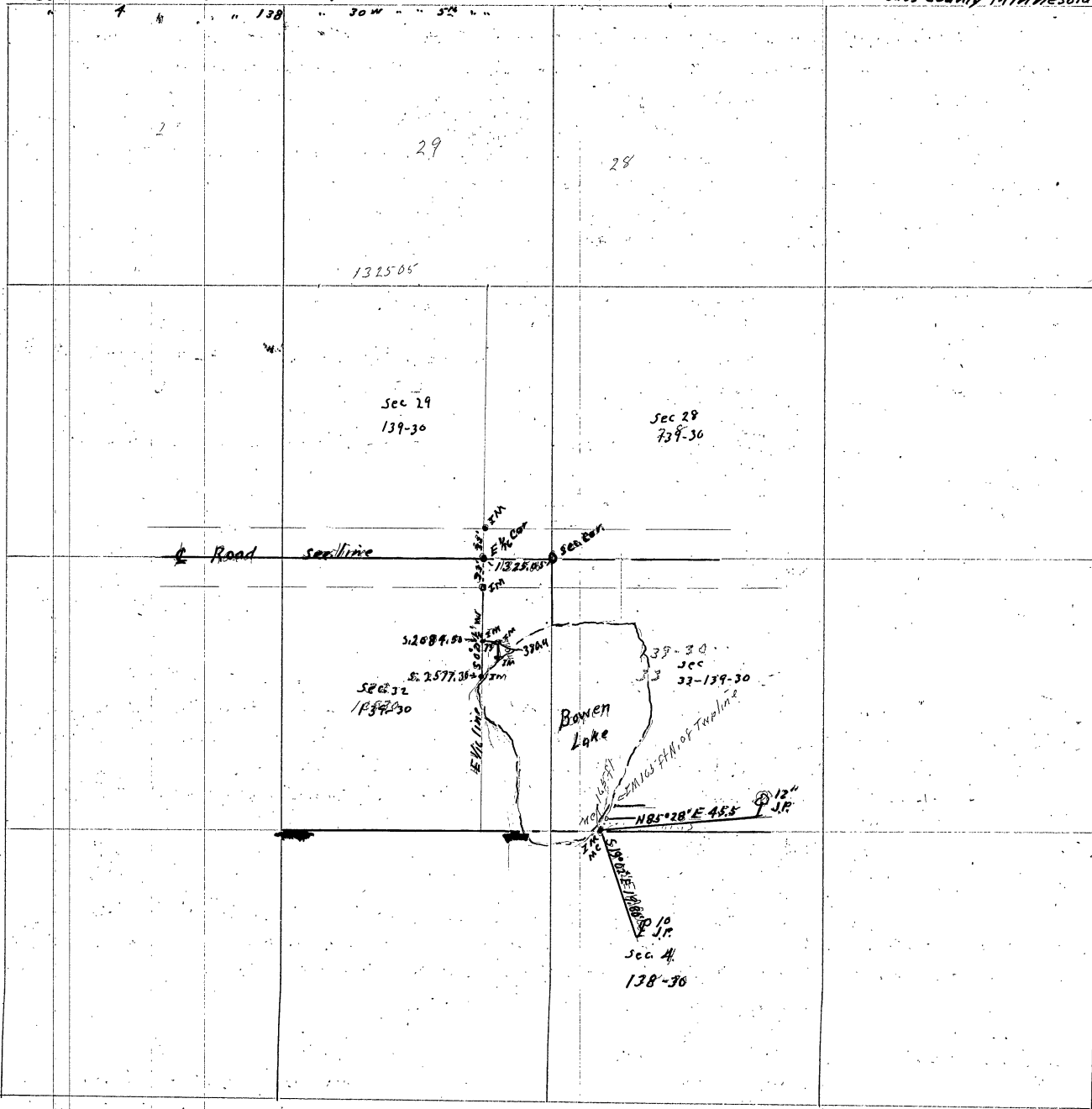
Survey Record No. 63939
Cass County, Minnesota



D

Sections 28-29-32-33 Twp 139N Range 30W of the 5th P.M.

Survey Record No. 640
Cass County, Minnesota



Sections 28, 32 and 33 Twp 139ⁿ Rge 30^w of the 5th P.M.
Section 4 Twp 138 Rge 30

Survey Record No 640
Cass County, Minnesota

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County, Minnesota in the above named sections as shown by the annexed Plat on page 386 of this Book "D" of the County Record Books of Surveys. said plat is considered a part of said field notes and is correct

At the true point for the Meander Corner on the East side of Bowen Lake on the Twp. line between Sections 4 Twp 138 Rge 30 and Section 33 Twp 139 Rge 30 I set a 2"x30" iron pipe for the True M.C. No 56 and mark new bearing trees and run as follows.

From said M.C. No 56 I run into Section 4 T 138 Rge 30 as follows: S. 19°02' E 19.80 feet to a blazed spot at the base of a 10 inch Jack Pine tree thence I run North 18.72 feet to the Twp line: thence I run West 9.46 feet to the corner as a check.

From said M.C. No 56 I run into Section 33 T. 139 R. 30 as follows: N 85° 28' E 45.50 feet to a blazed spot at the base of a 12 inch Jack Pine tree. thence I run South 3.60 feet to the Twp line: thence I run West 45.36 feet to the corner as a check.

From said M.C. No 56 I run East along the true Twp line between section 4 - 138-30 and Section 33 T. 139 R. 30 a distance of 225.00 feet and set a 60° spike hub. Transit over 60° spike I run N. 42° 15' E. 222.91 feet and set a second 60° spike hub on the North line of E.R. Flora's Tract of land. said tract being the South 165 feet of Gov't Lot 8 Section 33 T. 139 Rge. 30. Transit over second 60° spike. Backsite S 42° 15' W on first 60° spike and run West parallel to the twp line to the shore of Bowen Lake and set a 2" x 30" iron pipe for the N.W. corner of the said Flora tract. Survey made July 5th 1961

On Oct 26th 1951 Harold Doty calls and I go to Backus and out to the corner to Sections 28-29-32-33 T. 139 R. 30 from this Section Corner I run West on the Section line between Sec. 29 and 32-139-30 a distance of 1325.05 feet and set a 60° spike in the center of the graded road for the true East 1/6 Corner between Sec. 29-32 from said E 1/6 corner I run into Section 29 W 12. N. 0° 21 1/2' E 33 feet and set a 2"x30" I.M. tie to said E 1/6 corner

From said 1/6 corner I run S. 0° 21 1/2' W. into Section 32 Twp 139 R. 30 at 33 feet I set a 2"x30" I.M. tie to said E 1/6 corner and continue S. 0° 21 1/2' W. at 2084.50 I set a 2"x30" I.M. @ 2577.30 I intersect the shore of Bowen Lake and set a 2"x30" I.M. on the bank of said Bowen lake 3 feet N. from the waters edge. From I.M. 2084.50 S. of 1/6 corner on the true E 1/6 line I turn 90° and run East 75 feet and set a 2"x30" I.M. From this last named I.M. I turn 90° and run South parallel to the E 1/6 line a distance of 386.40 feet and set a 2"x30" I.M. on the bank of said Bowen lake 3 feet N. of the waters edge. Marking the 4 corners of the land sold to Harold Doty in Gov't Lot 1 Section 32 Twp 139 Rge 30

Recorded this 10 day of Nov 1951

Harold Curo
Harold Curo county Surveyor
of
Cass County Minnesota

Sections 34 and 35 Twp 141ⁿ Rge 31^w of the 5th P.M.

Survey Record No 641

Cass County Minnesota

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County Minnesota in the above named Sections as shown by the annexed plat on page 389 of this Book "D" of the County Record Books of Surveys. said plat is considered a part of said field notes and is correct.

At the point for the M.C. between Sections 34 and 35 T. 141 R. 31 at the N.W. Corner of Ten Mile Lake being M.C. No 13 We set a 2" x 30' iron pipe from old mark and reference points and to help hold this point We mark New B.Ts as follows

From said M.C. No 13 I run into section 34 T 141 R. 31 as follows to-wit: N 79° 32' W 45.50 feet to a blazed spot at the base of a 20" Nor. Pine tree, thence I run East 44.74 feet to the Section line, thence I run South 8.27 feet as a check to the corner

From said M.C. I run into Section 35 T 141 Rge 31 as follows N 66° 08' E 41.27 feet to a blazed spot at the base of a 20" Nor Pine Tree, thence I run West 37.74 feet to the Section line, thence I run South 16.70 feet as a check to said M.C.

Survey checked Aug. 12th 1951

Recorded this 4 day of Dec. 1951

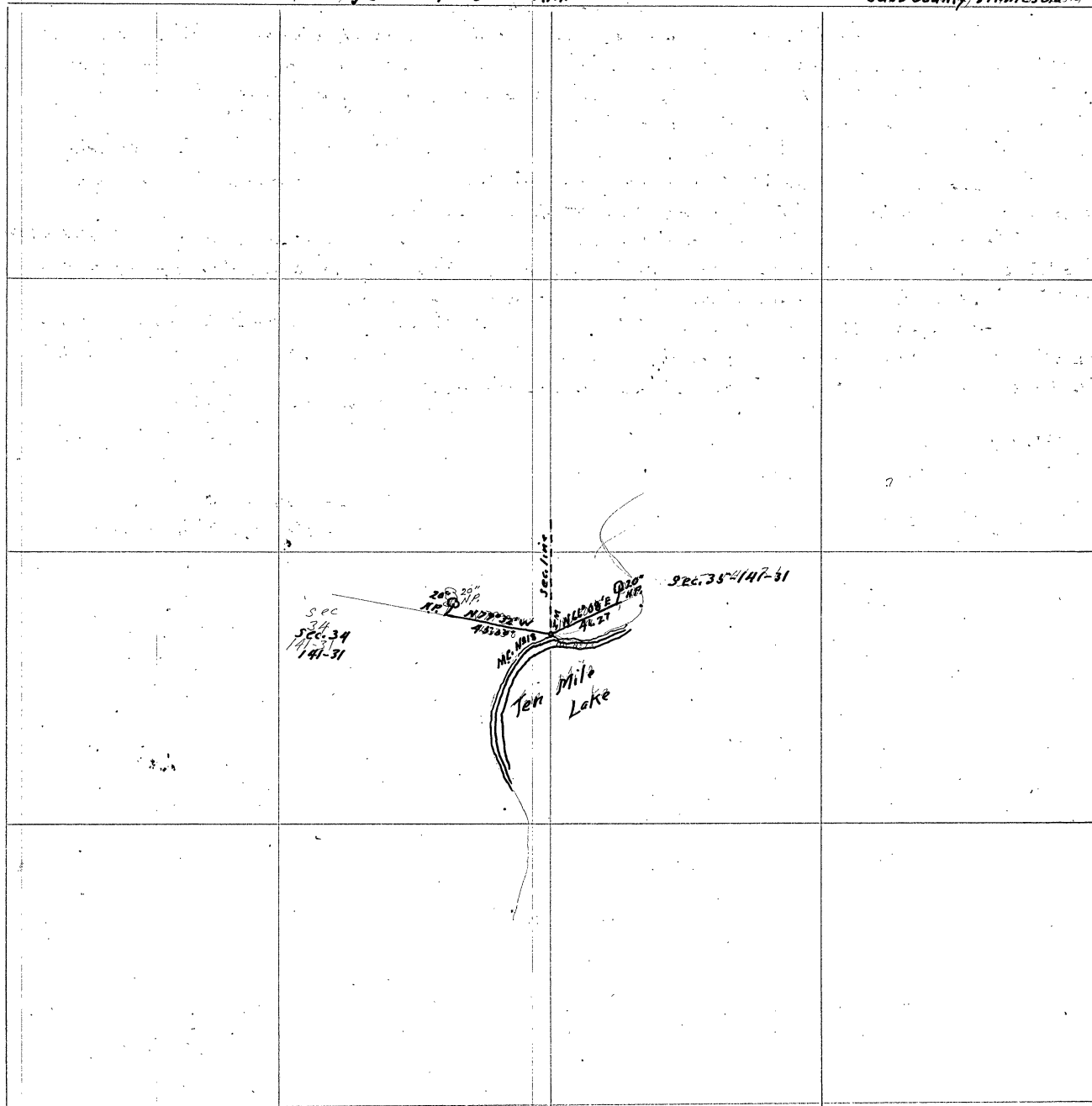
Harold Curo

Harold Curo County Surveyor
of
Cass County Minnesota

D

Section 34 and 35 Twp 141^N R. 31^W of the 5th P.M.

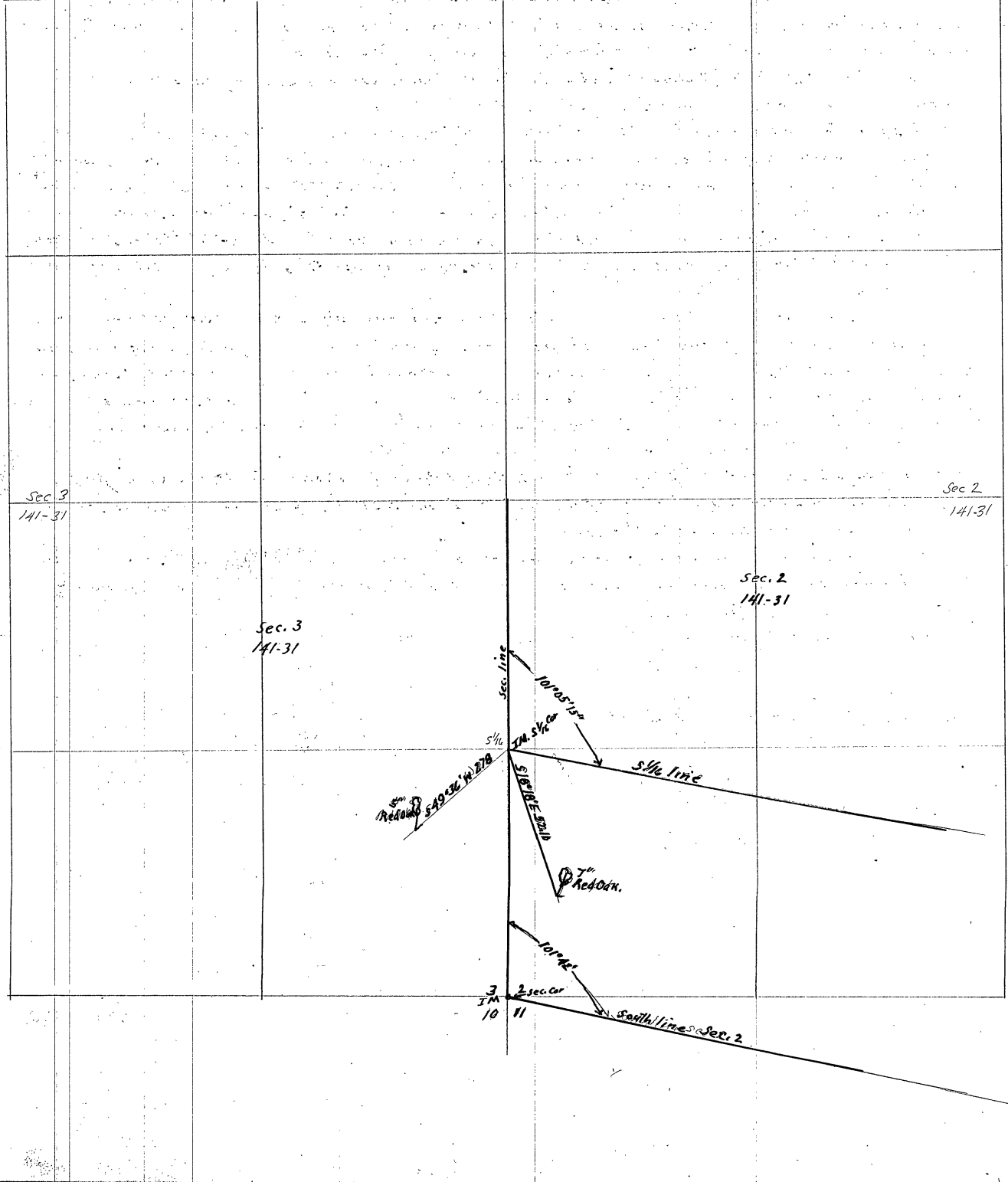
Survey Record No 641
Cass County, Minnesota



D

Section 2 and 3 Twp. 14 N. R. 31 W. 5th P.M.

Survey Record No. 64242
Cass County, Minnesota etc



D

Sections 2 and 3 Twp 141^N Rge 31^W of the 5th P. M.Survey Record No 642
Cass County, Minnesota

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County Minnesota in the above named Sections as shown by the annexed Plat on page 390 of this book "D" of the County Record Book of surveys said Plat is a part of said field notes

On May 10th 1951 - I drive to Paradise Point Resort where I pick up John O. Brinery and we go to the corner to Sections 2-3-10-11 Twp 141 Rge 31

Beginning at a point 4.58 feet East and 5.94 feet North from the I.M. Section corner in order to follow an old cut out line. We run a random line North following said old cut out line at 578.85 feet N we set a 60^d spike hub. at 1189.60 N. we set a 60^d spike hub. from this last named hub the I.M. S $\frac{1}{16}$ corner bears R. 1°40' a distance of 154.20 feet.

We correct this line and from said S $\frac{1}{16}$ corner. We run S 78°54'45" E on the North line of Gov't Lot 9 of said Section 2 to the shore of Shingobee Bay being the east boundary of said lot 9.

NOTE: In running this North line of Gov't lot 9 I run East with due parallelism to the side lines. In the Gov't. re-survey of the Indian Lands they did not acknowledge the $\frac{1}{4}$ corner on the West side of Section 2 as it was outside the Reservation and across the bay of Leech Lake. In figuring the course of the S $\frac{1}{16}$ line I did not acknowledge the $\frac{1}{4}$ corner on the East side of section 2 for the reason the Gov't Surveyors did not - and the Gov't is always right.

At the I.M. S $\frac{1}{16}$ corner I mark new ties and run as follows to-wit:

From said S $\frac{1}{16}$ corner I run into section 2 Twp 141 Rge 31 as follows - S. 18°18' E 52.10 feet to a blazed spot at the base of a 5 inch Red Oak tree. then I run West 16.36 feet to the Section line, then I run North 49.47 feet as a check to the corner

From said corner I run into Section 3 Twp 141 Rge 31 as follows: S 49°36' W 27.80 feet to a blazed spot at the base of a 7 inch Red Oak tree. then I run East 21.17 feet to the Section line, then I run North 18.02 feet as a check to the corner

The Section line between said Sections 2 & 3 is considered North and South

Surveyed May 10 and 11 - 1951

Recorded this 21st day of Dec. 1951

Harold Curo
Harold Curo County Surveyor
Cass County, Minnesota

Sections 13 and 24 - Twp 141^N Range 28^W of the 5th PM.
 " 18 and 19 - Twp 141^N Rge 27^W of the 5th PM

Survey Record No 643

Cass County Minnesota

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County Minnesota in the above named sections as shown by the annexed plat on page 323 of this Book "D" of the County Record Books of Surveys made in Cass County Minnesota. This plat is a part of said field notes and is correct 114

At the corner to sections 13 and 24 - Twp 141 Rge 28 and Sections 18 and 19 Twp 141 Rge 27 on the Range line I find an old bearing tree dead but plainly marked. From this old B.T. I find the section corner said section corner being a 2 inch brass capped monument setting 2 inches above the ground at the edge of a small wet swp. as it is hard to find and as the old B.T. is dead and will not last much longer I mark New bearings 106
 Trees to help locate and to help hold this section corner as follows viz:

Transit over this true section corner I run into Section 18 Twp 141 Rge 27 viz:

N 59° 41' E 29.85 feet to a spot at the base of a 14 inch White Pine tree. Then I run south 15.70 feet to the section line. Then I run west along said section line 25.77 feet as a check to the corner. 120

from said section corner I run into Section 19 Twp 141 Rge 27 viz:

S 32° 45' E 32.45 feet to a blazed spot at the base of a 4 inch White Birch tree. then I run west 17.55 feet to the section line. Then I run North 27.29 feet to said section corner as a check

from said section corner I run into Section 13 Twp 141 Rge 28 as follows viz:

N 89° 00' W 25.95 feet to a blazed spot at the base of a 6 inch White oak tree. Then I run South 0.45 feet to the section line. Then I run East 25.95 feet to said section corner for a check 120

from said section corner I run into section 24 Twp 141 Rge 28 as follows viz:

S 41° 25' W 13.40 feet to a blazed spot at the base of a 7 inch Red Oak tree. Then I run East 8.84 feet to the section line. Then I run North 10.05 feet to the section corner for a check. 100

Surveyed Aug 20th 1952

Recorded Aug 23rd 1952

Harold Curo

County Surveyor of

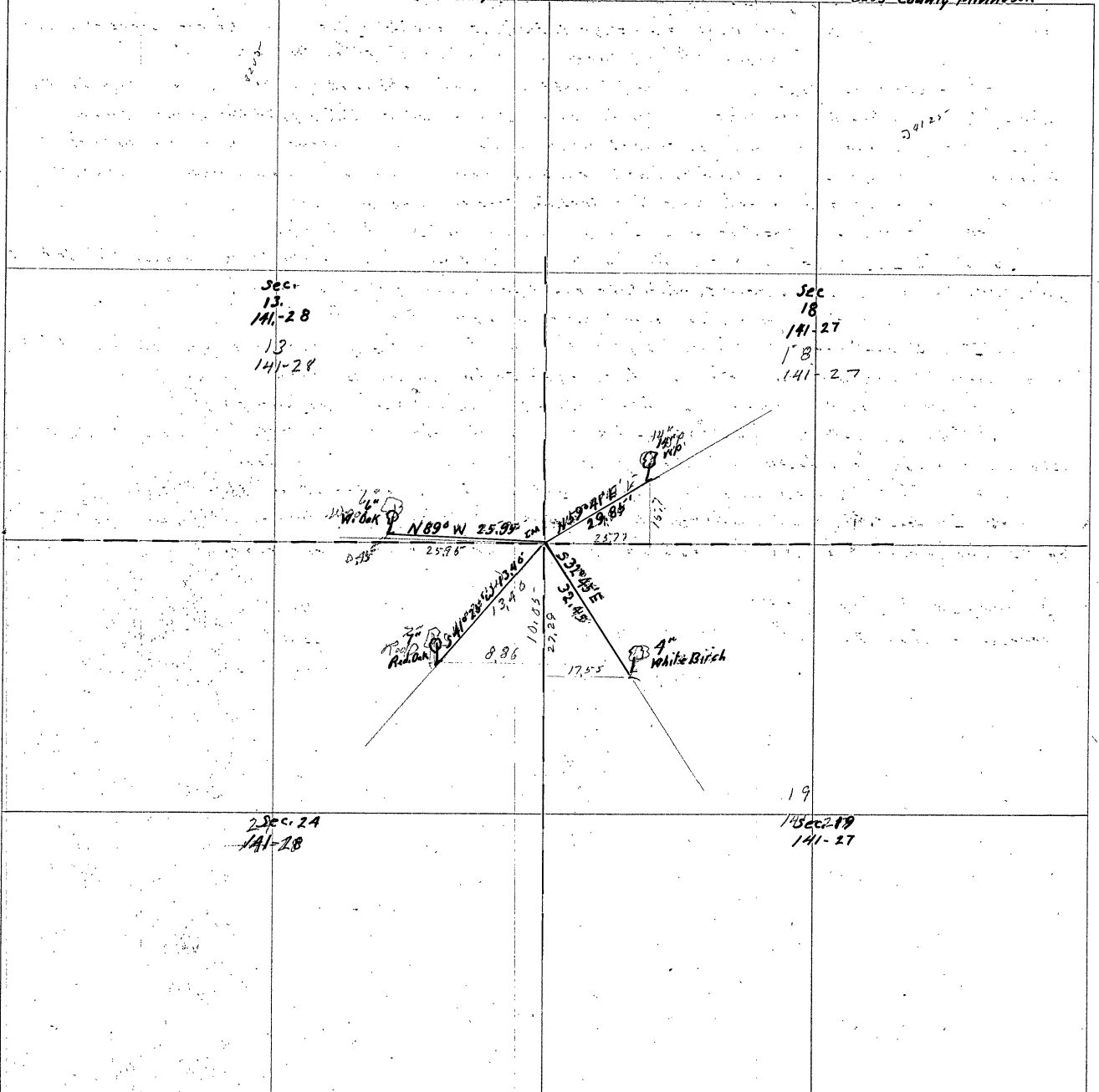
Cass County Minnesota

D

643

Section 13-24- Twp 141-28 and Sec. 18-19 Twp 141 Rps 27-

Survey Record No 643
Cass County Minnesota

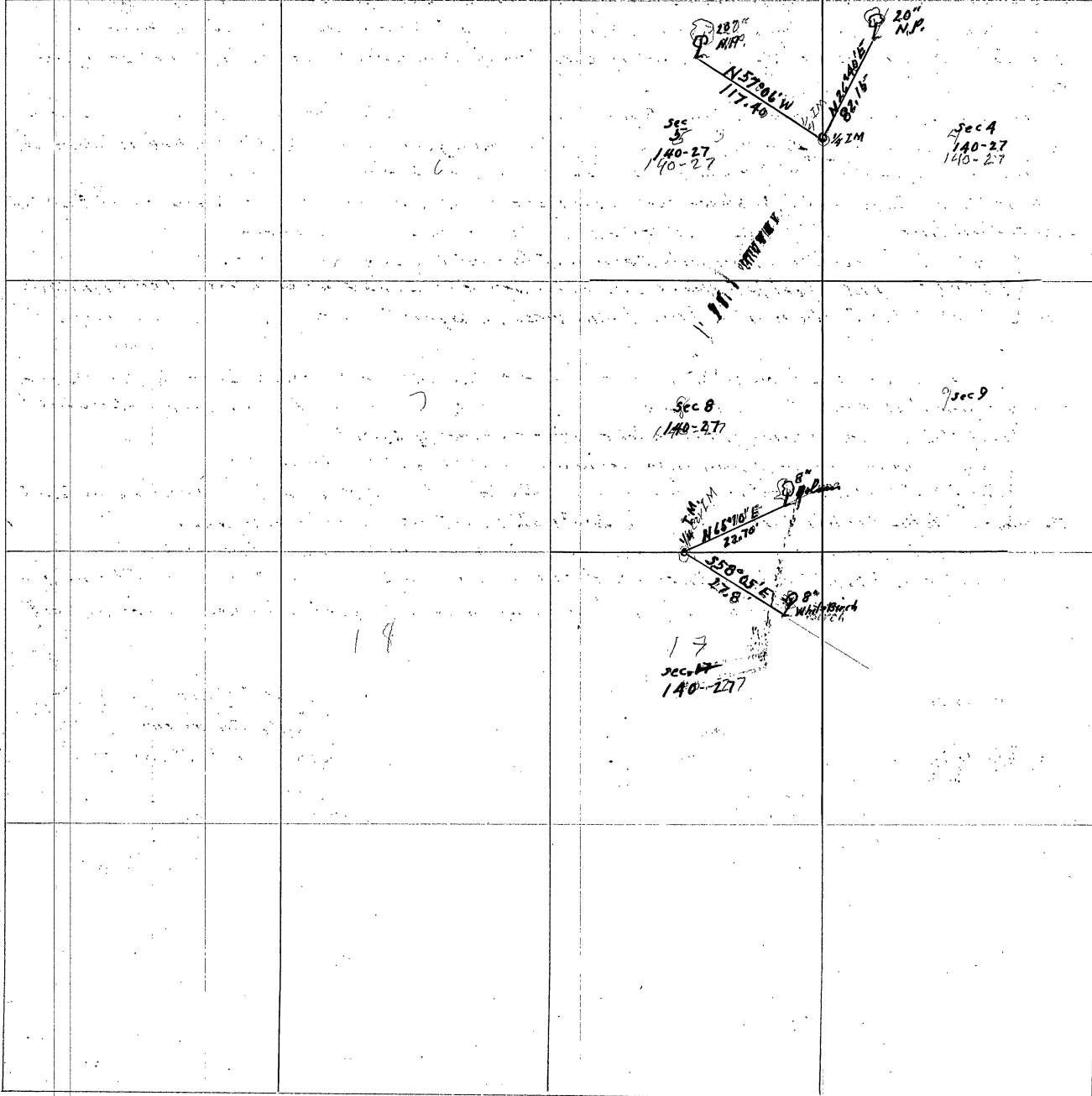


644

D

Sections 4-5-8-17 - Twp 140^N R9c 27^W of the 5th P.M.

Survey Record No. 644
Cass County, Minnesota



D

Sections 4-5-8 and 17 Twp 140^N Range 27 W of the 5th P.M.Survey Record No 644
Cass County Minnesota

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County Minnesota in the above named section as shown by the annexed Plat on page 394 of this Book "D" of the County Record Books of Surveys made in Cass County Minnesota. This plat is a part of said field notes and is correct.

At the $\frac{1}{4}$ corner between sections 8 and 17 Twp 140 Rge 27 established by me I set a 2x30 inch iron pipe for the true $\frac{1}{4}$ corner and mark New bearing trees to help hold it in place as follows viz:

Transit over said iron pipe true $\frac{1}{4}$ corner I run into Section 8 - Twp 140 Rge 27 viz:

N $65^{\circ}10'E$ 22.70 feet to a blazed spot at the base of a 8 inch Balsam tree; Then I run south 9.53 feet to the section line. Then I run West 20.60 feet to the corner for a check

From said $\frac{1}{4}$ corner I run into section 17 Twp 140 Rge 27 as follows viz:

S $58^{\circ}05'E$ 27.80 feet to a blazed spot at the base of a 8 inch White Birch tree. Then I run North 14.20 feet to the section line. Then I run west 23.60 feet to the said $\frac{1}{4}$ corner for a check

At the $\frac{1}{4}$ corner between sections 4 and 5 Twp 140 Rge 27 established by me I set a iron monument 2x30 inch for the true $\frac{1}{4}$ corner and mark the following bearing trees to help hold and find this corner again without a lot of time and money spent

From said $\frac{1}{4}$ corner I run into section 5 Twp 140 Rge 27 as follows viz:

N $57^{\circ}06'W$ 117.40 feet to a blazed spot at the base of a 20" Nor. Pine tree. then I run East 98.57 feet to the section line. Then I run South 63.77 feet to the corner for a check

From said true $\frac{1}{4}$ corner I run into section 4 Twp 140 Rge 27 as follows viz:

N $26^{\circ}40'E$ 82.15 feet to a blazed spot at the base of a 20 inch Nor. Pine tree Then I run West 36.87 feet to the section line. Then I run south 73.41 feet to the corner for a check

Surveyed

Harold Curo
Harold Curo
County Surveyor of
Cass County Minnesota

Recorded Sept. 19

Sections 29-30-31-32 - Twp 142 Rge 27 and
Sections 24 and 25 Twp 142^N Rge 28^W of the 5th P.M.

Survey Record N^o 645
Cass County, Minnesota

Field Notes

Field notes of the surveys made by Harold Curo County Surveyor of Cass County Minnesota in the above named sections as shown by the annexed plat on page 397 in this Book "D" of the County Record Books of surveys made in Cass County Minnesota. This plat is a part of said field notes and is correct: 119

At the corner to sections 29-30-31 and 32 Twp 142^N Rge 27^W after spending some time looking for this corner. I find an iron mon. with a brass cap. this iron mon. was set by the Gov't surveyors when they made the re-survey of the Indian lands in Cass County Minnesota. As there is no record of this survey any place except in Washington D.C. and as it takes over a month to get any of their notes to save time and money I mark new 105 bearing trees and record them so as to have some kind of a record of this section corner in Cass County, and in the state of Minn. where the records ought to be.

From said section corner corner to sections 29-30-31-32 Twp 142 Rge 27 I run into section 29-142-27 viz: 117
N. 37° 35' E. 48.45 feet to a blazed spot at the base of a 16 inch Maple tree. Then I run West feet
to the section line. then I run South feet to said corner for a check

From said corner to said sections 29-30-31-32 -142-27 I run into Section 30-142-27 as follows viz: 101
N. 40° 50' W. 26.65 feet to a blazed spot at the base of a 9 inch Maple tree. Then I run East
feet to the section line. Then I run South feet to said section corner for a check

From said section corner corner to sections 29-30-31 and 32 -142-27 - I run into Section 31-142-27 as follows
S. 65° 34' W. 19.80 feet to a blazed spot at the base of a 16 inch Maple tree. Then I run North ft.
to the section line. then I run East feet to said section corner for a check. 136

From said section corner to sections 29, 30, 31-32 -142-27 I run into Section 32-142-27 as follows viz:
S. 26° 04' E. 31.10 feet to a blazed spot at the base of a 12 inch Basswood tree. Then I run West
feet to the section line. Then I run North feet to the said section corner for a check 121

At the 1/4 corner between Sections 24-25 Twp 142^N Rge 28^W of the 5th P.M. Cass County Minnesota
I find a 2" brass capped monument which was set by the Gov't. surveyors in their re-survey of the
Indian lands in Cass County Minnesota. As the bearing trees marked at that time seem to be gone and as
the only record of them would be in Washington D.C. I mark some New Bearing trees for the records here in this
office where the records of the re-survey should be in the first place

From said 1/4 corner between sections 24 and 25 Twp 142 Rge 28 I run in to Section 24 as follows viz:
N. 62° 58' E. 13.85 feet to a blazed spot at the base of a 5 inch Maple tree. Then I run South feet to the
section line: Then I run West feet to the corner for a check 102

From said 1/4 corner between said sections 24-25 -142-28 I run into Section 25-142-28 as follows viz:
S. 16° 53' W. 23.35 feet to a blazed spot at the base of a 6 inch Maple tree: Then I run North feet
to the section line: Then I run East feet to said 1/4 corner for a check 129

Surveyed April 1952

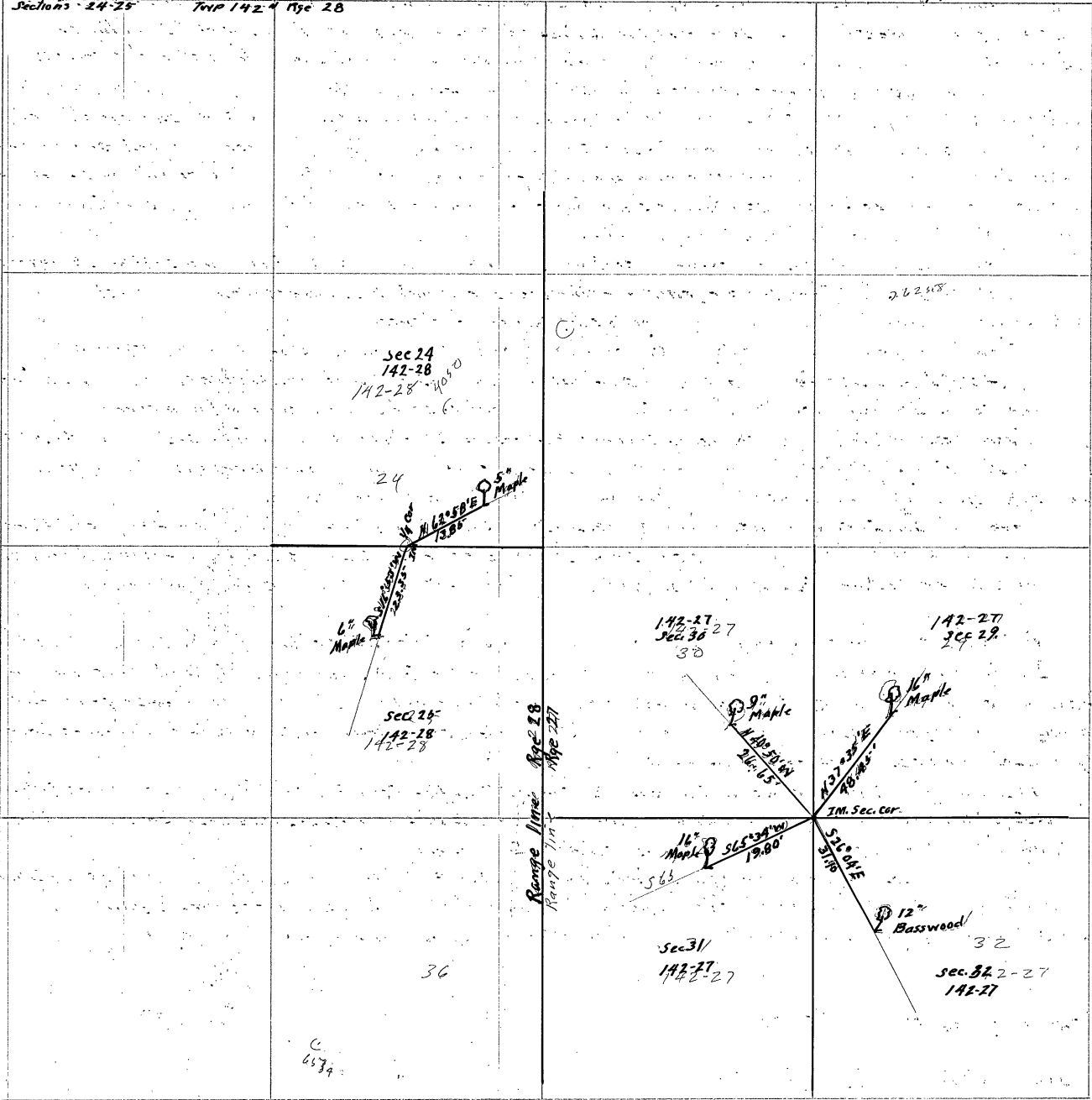
Recorded this 23 day of Sept 1952

D

645

Sections 29-30-31-32 Twp 142 N Rge 27
Sections 24-25 Twp 142 N Rge 28

Surrey Record No. 645
Cass County Minnesota



262.58

24

sec 29
142-28

142-27
sec 30
30

142-27
sec 29

Range Line Rge 28
Range 111

36

C
6574

573

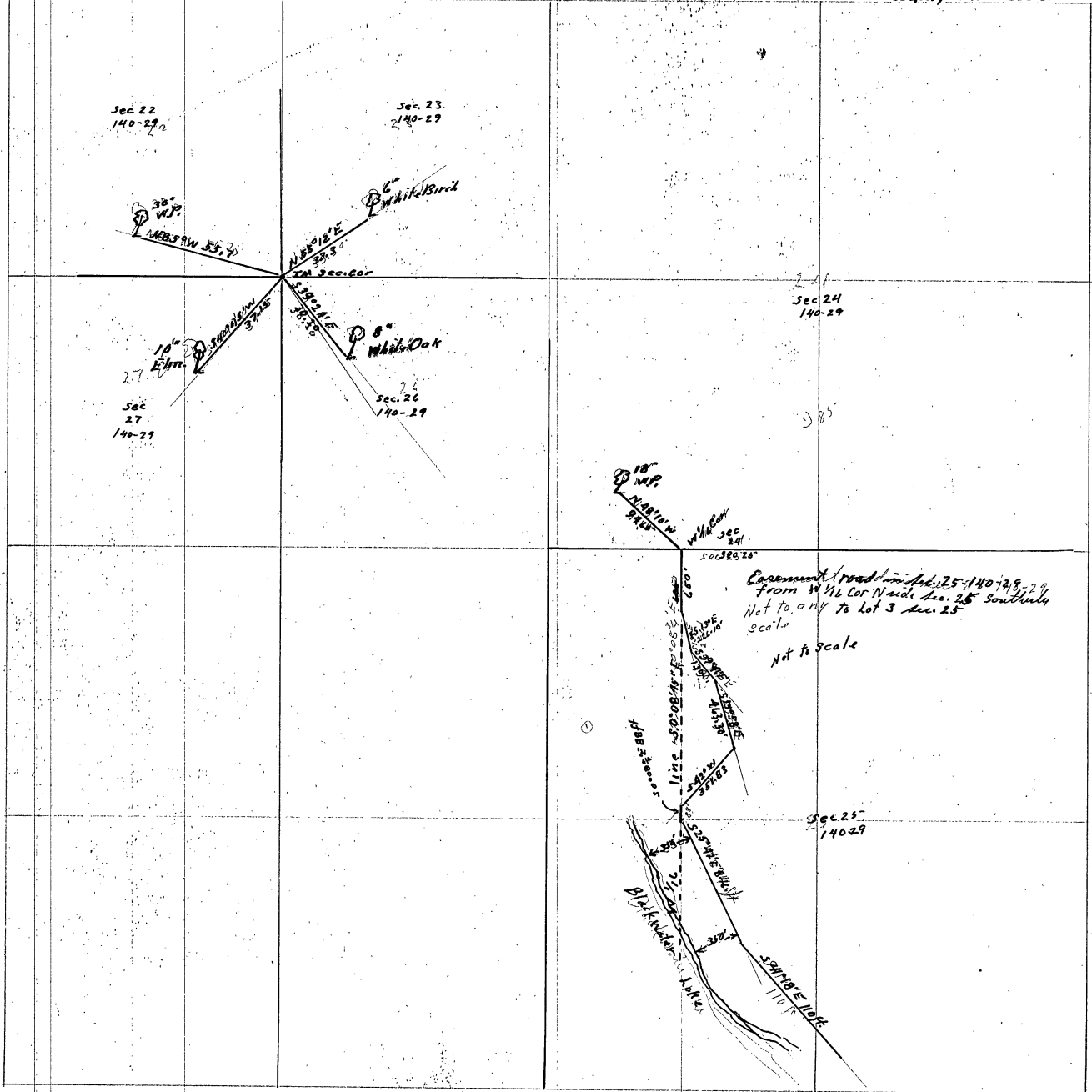
D

14041

N 53° 12' E

Sections 22-23-24-25-26-27 Twp 140N Rye 29W of the 5th P.M.

Survey Record No. 646
Cass County, Minnesota



D

Section 24 and 25 and
" 22-23-26-27 Township 140^N Range 29^W of the 5th P.M.

Record No. 646
Cass County Minnesota

Field Notes

Field Notes of the surveys made by Harold Cass County Surveyor of Cass County Minnesota in the above named sections as shown by the annexed plat on page 398 of this Book "D" of the County Record Books of Surveys made in Cass County Minnesota. This Plat is a part of said field notes and is correct 104

On Sept 12th 1952 I picked up Fred Nichols in Walker Minnesota and drive to Longville Minn where I meet John Thomson we drive to the W 1/4 corner between Section 24 and 25 - Twp 140 Rge 29 John Thomson owns Govt lot 3 Sec 25-140-29 and has been trying for years to get a road into his property. The Town board turn down his road petition so he has to buy a easement for a roadway 160' into his property. The only place the owner of the land around him will let him in is along the W 1/4 line as this line hits a swamp they will let him go around the swamp on the East side then back to the W 1/4 line and then southerly along said W 1/4 line extended through Govt lot 2 Sec 25-140-29 until said line get to a point 350 feet from the Eastern shore of Blackwater Lake then southerly staying 350 feet from said lake to his north line

At the W 1/4 corner between Sec 24-25-140-29 established by John W. Cass in 1936 the E 1/4 S of by turn 150 in the N. shoulders of the highway is missing, after I had re-located the point for the true W 1/4 I drive a 60' spike for the corner, over which I set the transit and run into Sec 24-140-29 as follows viz:

N. 48°10' W. 94.65 feet to a blazed spot at the base of a 18" W.P. tree, then I run south 63.13 feet to the line. Then I run East 70.52 feet to the corner ~~per a~~ check. 114

Transit still over the W 1/4 corner bet Sec 24-25-140-29 I run So. 0°08'45" E. on the true W 1/4 line in Sec 25-140-29 a distance of 650 feet to a point on the north side of the swamp being turning point for the road Sta (1). thence I run S. 13°00' E distance of 226.10 ft to Sta (2) turning point of road; thence I run S 39°46' E 130 feet to Sta (3) turning point of road around said swamp, from Sta (3) I run S. 15°58' E 463.30 feet to Sta. (4) T.P. 946. From Sta (4) I run S 42°00' W 351.83 feet to Sta (5) being point of intersection of easement road line with the W 1/4 line of Sec 25-140-29. from Sta (5) I run S. 0°08'45" E along the W 1/4 line 88.00 feet to a point which is 350 feet East of the E. shore of Blackwater Lake Sta (6) thence I run S. 25°42' E following a line as near parallel with the E. shore of said Blackwater lake a I cam a distance of 846 feet to Sta (7) as the N. line of lot 3 Section 25-140-29 has not been established and to be sure we get far enough south to be in said lot 3 we run from Sta (7) S 41°18' E. 110.00 feet to a point in a bend of the old road near the cabin in lot 3 Sec 25-140-29. Surveyed in Sept. 1952- 119

On Nov. 13-1952 I drive to Sahnke's Resort where I meet Ernest Sahnke we go to a point close to the corner to Secs 22-23-26 and 27 -140-29 where U.S. notes call for the following B.T. W.P. 20 S 20° E 39 lks W.P. 18 S 76°00' W 47 lks W.P. 17 N 65°00' W 19 lks. Snowwood 4" N 20°00' E 32 lks. We spend two days checking the old stumps trying to find some that would check out for course and measurement with the Govt notes. 140 but have no luck. John W. Cass spent some time in 1936 looking for this corner and checking the stumps when he surveyed the N. line of section 26-140-29. in 1936. As every one seems to have taken John W. Cass line as the true line bet Sec 23-26 & 140-29. Wm. Spain a Surveyor has run lines from the N and from the S and set stakes on this line - a road has been built along this line. As this line seem to be considered 145 the true line of Sec 26-140-29 I use it as the true line but I set the corner to Sec 22-23-26-27-140-29 proportional measurement bet. M. & N. A bet Sec 22-27-140-29 and the NE cor. of Sec 26-140-29. at this corner I drive a 2x30" iron nail for the corner and ~~run into Sec~~ and mark the following B.T. viz. from this cor. I run into Sec 23-140-29 viz N 55°12' E 33.30 feet to a blazed spot at the base of a 6" W. Birch tree then I run south 19.00 ft to the true line then I run West 27.34 ft to the cor for a check from true line cor I run into Sec 22-140-29 as follows N 86°00' W 55.70 feet to a blazed spot at the base of a 30" W.P. tree, then I run south 4.85 feet to the true line then I run East 55.49 feet to the cor for a check from said Sec. cor. I run into Sec 27-140-29 viz. S. 40°45' W 37.15 feet to a spot at the base of a 10" Elm tree then I run East 24.26 ft to the true line then I run North 28.14 ft to the cor as a check from said Sec 178 cor. I run into Sec 26-140-29 viz S 39° 24' E 30.20 ft to a 8" W Oak thence West 19.17 ft thence North 23.34 ft to the cor. 145

Revised Oct 10th 5'2m.

Harold Cass

Sections 22, 23-26-27 Township 141ⁿ Range 31^w of the 5th P.M.

Survey Record No. 647
Cass County Minnesota

Field Notes

Field notes of the survey made by Harold Curo, County Surveyor of Cass County, Minnesota in the above named sections as shown by the annexed Plat on page 401 of this Book "D" of the County Record Books of Surveys made in Cass County, Minnesota. Said Plat is a part of these field notes and is correct.

At the section corner, corner to sections 22-23-26-27 Twp 141 Rge 31 I find a old county iron mon. being a 2 1/2 x 4" Galv iron pipe with a cap on top set by Elmer B. Horst in 1920 as there are no bearing trees recorded for this corner and to hold the location I mark New B. Ts. and record them:

From the corner to sec. 22-23-26-27-141-31 I run into section 23-141-31 as follows viz: 121

N. 46°42' E 56.10 feet to a blazed spot at the base of a 16" W. P. tree. then I run South feet to the section line. then I run West feet to the section corner for a check.

From said section corner I run into Section 22-Twp 141 Rge 31 as follows:

N. 38° W 53.54 feet to a blazed spot at the base of a 6" W. P. tree. Then I run East feet 115 to the section line. then I run South feet to the section corner for a check.

From said section corner I run into Section 27-141-31 as follows:

S 15°35' W 23.25 feet to a blazed spot at the base of a 8" Poplar tree. then I run East feet to the section line. Then I run North feet to the section corner for a check.

From said section corner I run into Section 26-141-31 as follows viz:

S. 54°40' E. 13.80 feet to a blazed spot at the base of a 8 inch Poplar tree. Then I run North feet to the section line. Then I run West to said section corner for a check.

Surveyed July 31-1912

Harold Curo

Recorded this 5 day of Dec 1912

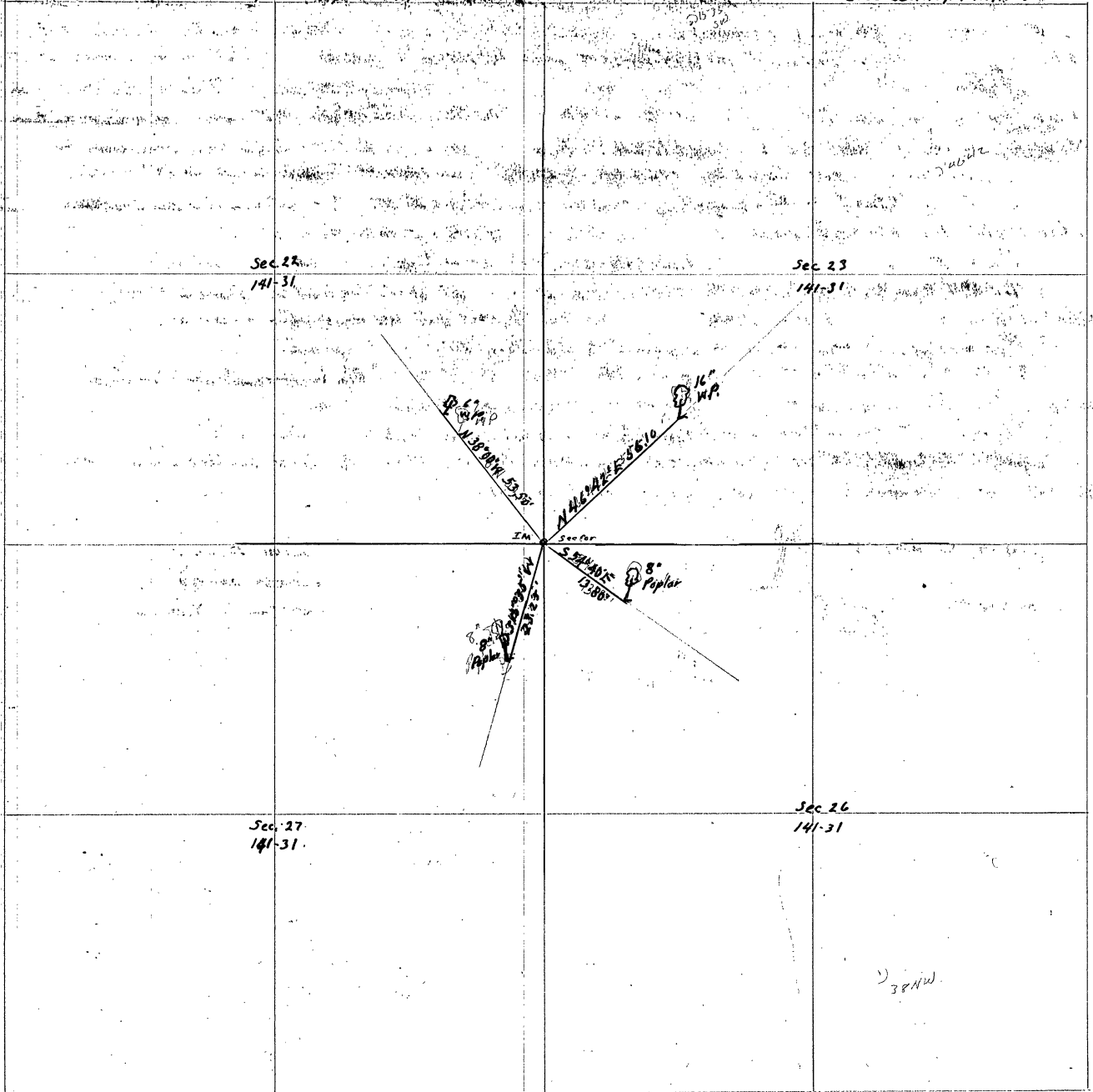
County Surveyor of
Cass County Minnesota

D

647

Sections 22-23-26-27 Twp 141 N Rge 31 W of 14 S 4 R.M.

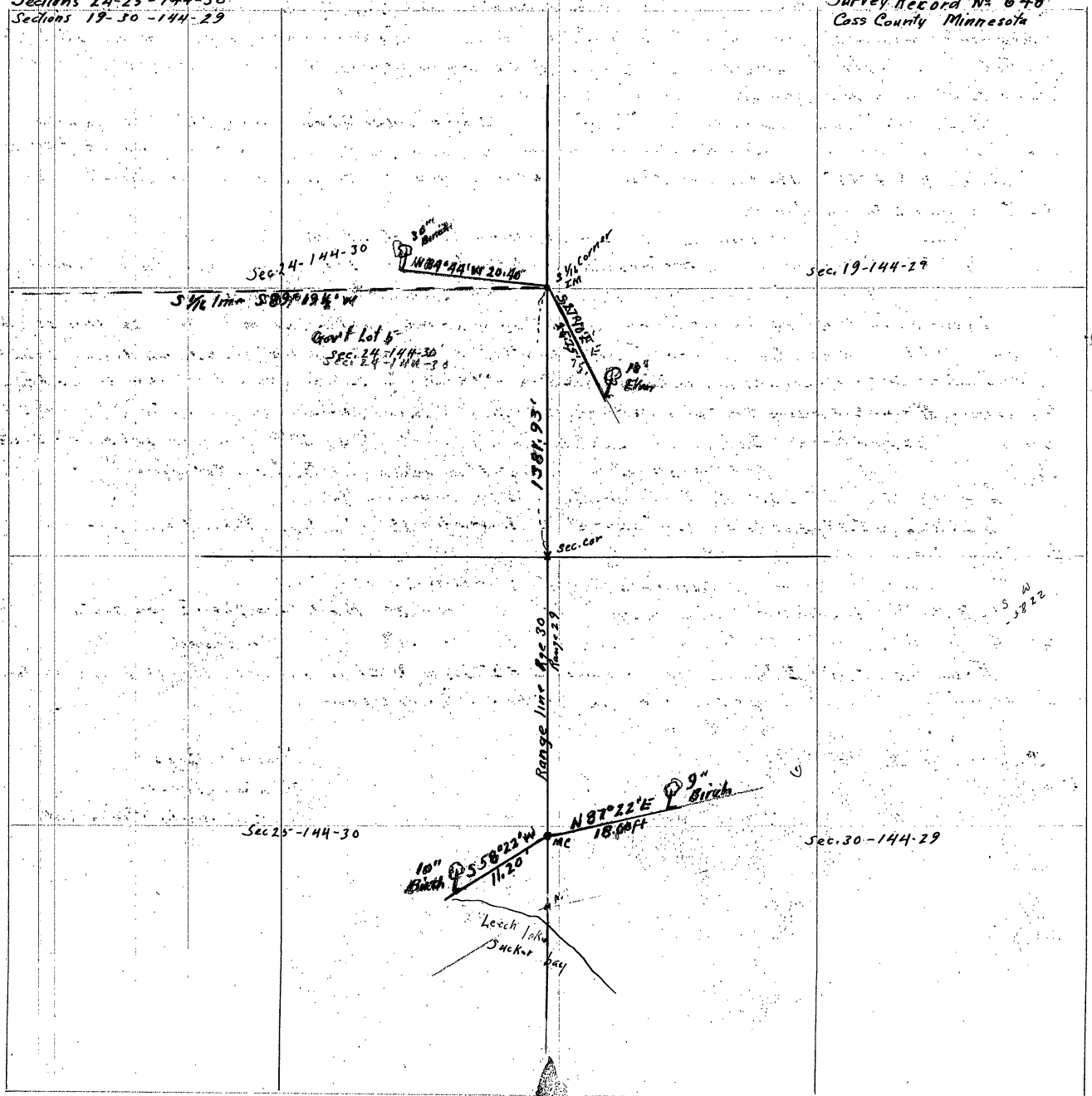
Survey Record No 647
Cass County, Minnesota



D

Sections 24-25-144-30
Sections 19-30-144-29

Survey Record No 648
Cass County Minnesota



D

Section 24-25 Twp 144ⁿ Rge 30^w of the 5th P.M. and

Survey Record No 648

Section 19 and 30 Twp 144ⁿ Rge 29^w of the 5th P.M.

Cass County Minnesota

Field Notes

Field notes of the Survey made by Harold Curo County Surveyor of Cass County Minnesota in the above named sections as shown by the annexed plat on page 402 of this Book "D" of the County Record Books of Surveys made in Cass County Minnesota 183
Said Plat is a part of said field notes and is correct

At the M.C. corner on the North side of Sucker bay of Leech Lake being M.C. No 12 Twp 144-29 I find the I.M. and mark new Bearing trees as follows from this M.C. I run into section 30-144-29 as follows. N 87°22'E 18.00 feet to a 9 inch Birch tree. then I run West to the Range line. then I run South as a check to said M.C. 103

From said M.C. I run into section 25-144-30 as follows viz:

S. 58°22'W. 11.20 feet to a blazed spot at the base of a 10 inch birch tree. Then I run East ft to the Range line then I run North ft as a check to the corner

From said M.C. on the N. side of Sucker bay of Leech Lake between section 25-144-30 and section 30-144-29 on the Range line I run North 3°00'W along the Range line between Ranges 29 and 30 to the Section corner. corner to sections 19 and 30-144-29 and section 24 and 25 144-30 and continue 143

Range line North between sections 19-144-29 and sections 24-144-30 at 1381.93 feet N of SW

corner of sec. 19-144-29 I drive a 2x30" iron pipe for the true S¹/₄ corner between section 19-144-29 and section 24-144-30 and mark the following B.T. as follows viz: 135

From the said S¹/₄ corner I run into section 19-144-29 as follows

S 27°10'E 25.75 feet to a blazed spot at the base of a 18" Elm tree. Then I run West ft to the Range line. then I run North feet to the said S¹/₄ corner for a check

From said S¹/₄ corner I run into section 24-144-30 as follows viz 113

N. 84°44'W 20.40 feet to a blazed spot at the base of a 30" Birch tree. then I run South feet to the Range line then I run South feet to the said S¹/₄ corner for a check

From the said S¹/₄ corner I run S 89°19½'W to along the true North Line of Gov't lot 5-Section 24-144-30 to the shore of Sucker bay of Leech Lake

Surveyed Oct 15th 1952

Harold Curo

Recorded this 31 day of Dec 1952

County Surveyor
of Cass County Minnesota 142

Section 6 Township 144^N Range 27^W of the 5th P.M.

" 31 " 145^N " 27^W " " " "

Survey Record N^o 649

Cass County Minnesota

Field Notes.

Field notes of the survey made by Harold Curo, County Surveyor of Cass County Minnesota in the above named sections as shown by the annexed Plat on page 405 of this Book "D" of the County Record Books of Surveys made in Cass County Minnesota. Said plat is a part of said field notes and is correct.

At the $\frac{1}{4}$ Corner between Section 6 Twp 144 Rge 27 and Section 31 Twp 145 Rge 27 I find the brass capped monument set by U. S. Surveyors in their Re-survey of Indian Lands for the True $\frac{1}{4}$ Corner between said sections: As I can not see any trees marked for ties for this corner I mark the following Bearing trees and record them to help hold this corner in place

From said $\frac{1}{4}$ corner I run into Section 31 Twp. 145^N Rge 27^W of the 5th P.M. Cass Co. Minn as follows: I run N. 30° 29' W 48.75 feet to a blazed spot at the base of a 12 inch Nor. Pine tree; then I run South 35.12 feet to the section line; then I run East 20.67 feet to the corner for a check

From said $\frac{1}{4}$ Corner I run into section 6 Twp 144^N Rge 27^W of the 5th P.M. Cass Co. Minn as follows: S. 43° 54' W. 18.70 feet to a blazed spot at the base of a 8 inch Nor. Pine Tree; then I run North 13.47 feet to the Section line. Then I run East 12.97 feet to the corner for a check

Surveyed June 8th 1952

Recorded Jan. 2nd 1953

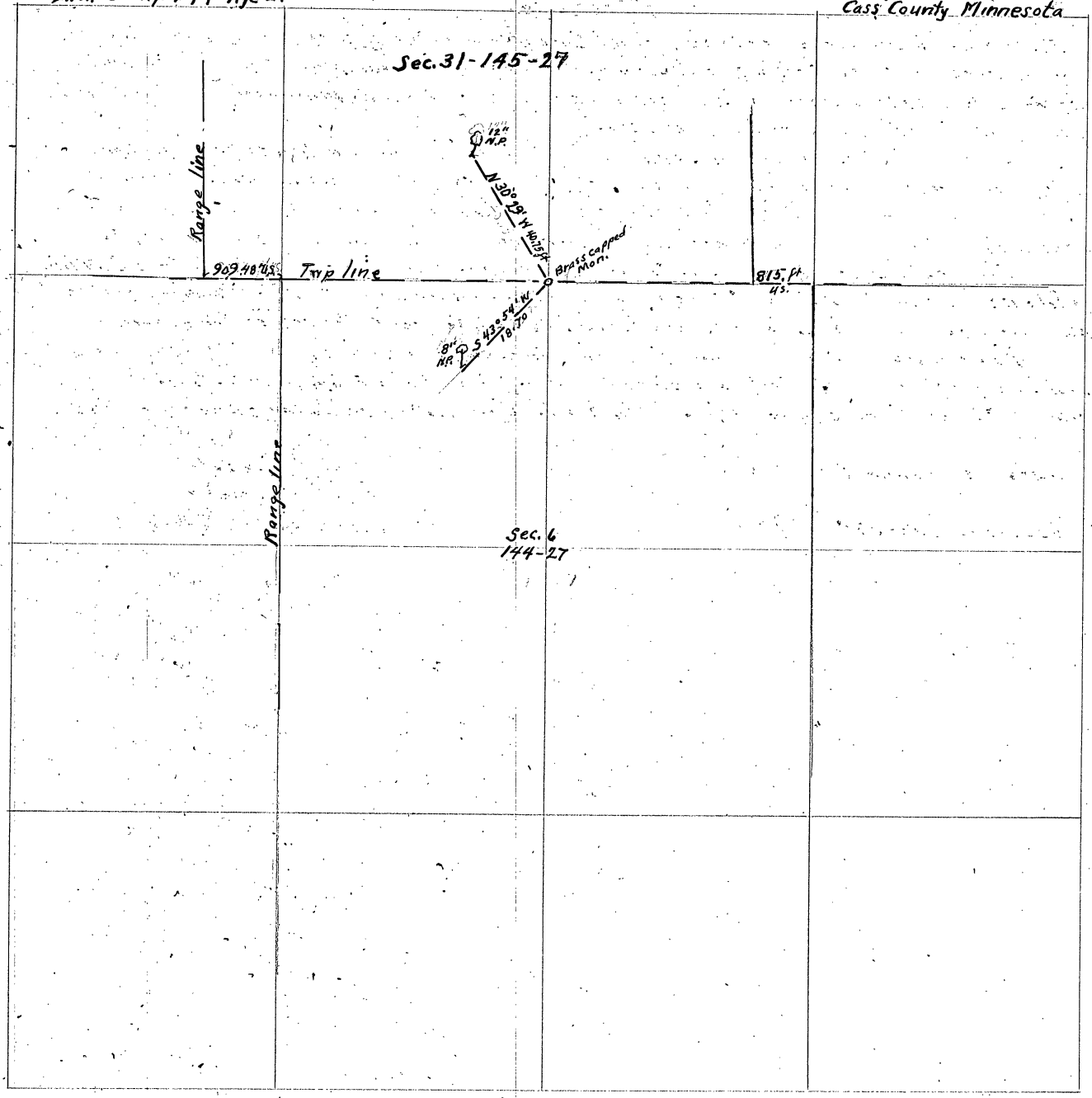
Harold Curo
Harold Curo
County Surveyor
Cass County Minnesota

D

649

Section 31 Twp 145 Rge 27
Section 6 Twp 144 Rge 27

Survey Record No 649
Cass County Minnesota



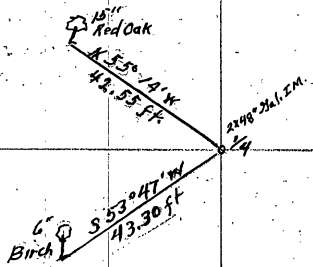
D

650

Sections 19 and 30 Twp 140^N Rge 28^W of the 5th P.M.

Survey Record No 650
Cass County Minnesota

Sec. 19
140-28



Sec. 30
140-28

D

Sections 19-30 Twp 140^N Rge 28^W of the 5th PM.Survey Record No 650
Cass County Minnesota

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County Minnesota in the above named Sections as shown by the annexed plat on page 406 of this Book "D" of the County Record Books of surveys made in Cass County Minnesota, said plat is a part of said field notes and is correct.

At the $\frac{1}{4}$ corner between Sections 19 and 30 Twp 140 Rge 28. The $2\frac{1}{2} \times 48$ inch Gal. iron monument with a cap on top set for the true $\frac{1}{4}$ corner between said sections has been grubbed or pulled out in making a road. A party owning land adjoining this corner wants it put back where it belongs. 100-

I pick up Glenford Miller at Walker, Minnesota and we drive to said $\frac{1}{4}$ corner in my car. We establish the true location for this corner from previous surveys made by me. We re-set the iron and to save a lot of work later we mark bearing trees and as they are no good to anyone unless they are recorded I am doing so now. 100

From the true $\frac{1}{4}$ corner just re-established between said sections 19-30-140-28 I run into Section 19-140-28 as follows N $55^{\circ}14'$ W 42.55 feet to a blazed spot at the base of a 12 inch Red Oak tree; then I run South 24.26 feet to the Section line; then I run East 34.95 feet to the corner for a check. 100

From said $\frac{1}{4}$ corner I run into section 30 Twp 140-Rge 28 as follows viz: S. $53^{\circ}47'$ W 43.30 feet to a blazed spot at the base of a 6 inch white Birch tree; then I run North 25.58 feet to the Section line. Then I run East 34.93 feet to the corner for a check. 100

Surveyed Sept 18th 1947Checked Nov. 17th 1952Harold Curo
County Surveyor,
of Cass County MinnesotaRecorded Jan. 3rd 1953

Section 36-142-31

Survey Record No 651
Cass County Minnesota

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County Minnesota in the above named section as shown by the annexed plat on page 409 of this Book "D" of the County Record Books of Surveys made in Cass County Minnesota said plat is a part of said field notes and is correct

May 18th 1950 I pick up Ernest Swift and we drive to about the S 1/4 corner on the East side of Section 36 Twp 142ⁿ Rge 31 W of the 5th P.M. Cass County Minnesota. Where we leave the car and walk West to Leech Lake. We look along the shore of Leech Lake until we find the Brass capped monument set by the Gov't surveyors in the re-survey of the Indian lands for the M.C. at the Southwest corner of Gov't Lot 3 Section 36 - Twp 142 Rge 31. From this corner we run S 88° 21' W 266.09 feet and find the brass capped monument by the Gov't surveyors for the Southeast corner of said Gov't Lot 3. From the Southeast corner of said Gov't Lot 3 - Sec. 36-142-31 we run N. 2° 51' W. @ 1317.05 feet the brass capped monument set for the Northeast corner of said Gov't Lot 3 bears N 79° 18' W 8.74 feet. We correct this line and cut out the True East line of said Gov't Lot 3. From the Northeast corner of said Gov't Lot 3 we run West along the North line of said Gov't Lot 3 parallel to the south line of Lot 3 @ 104.50 feet hub = 60^d spike @ 172.92 the shore of Leech Lake. The brass capped monument set by the Gov't Surveyors at this point for the NW corner of Lot 3 has washed away into Leech Lake. We measure back East 15 feet and at 157.90 feet West of the Northeast corner of Lot 3 we drive a 3 X 3 X 30 inch oak stake for wit. to the M.C. as this Wit. M.C. is on a cut bank and will not last very many years before it will also be in Leech Lake. We go to hub 104.50 on top of the cut bank pull up the spike and in its place we drive a 2 X 30 inch iron pipe to help hold and to mark the North line of Gov't Lot 3 Section 36-142-31. Transit over Wit. M.C. I take a rough stada reading of the shore line of Lot 3 as I have to make a sketch of Lot 3 - Section 36-142-31.

From Wit. M.C. 15 ft east of waters edge I run S 27° 12' W 168 ft stada measurement to sta 1 water 10 ft to the R.
from sta. 1 run S 20° 54' W 244 ft to sta 2. Water 5 ft to the R. at sta. 2

"	"	2	"	S. 0° 11' W	159	"	"	3	"	3	"	"	"	3
"	"	3	"	S. 0° 24' E	241	"	"	4	"	3	"	"	"	4
"	"	4	"	S 2° 06' E	95	"	"	5	"	8	"	"	"	5
"	"	5	"	S 4° 36' E	101	"	"	6	"	3	"	"	"	6
"	"	6	"	S 22° 16' E	120	"	"	7	at waters edge					
"	"	6	"	S 6° 00' E	220	"	"	8	"	"	"	"	"	"
"	"	6	"	S 5° 11' E	350	"	"	9	near the SW corner of Lot 3 Sec. 36-142-31					

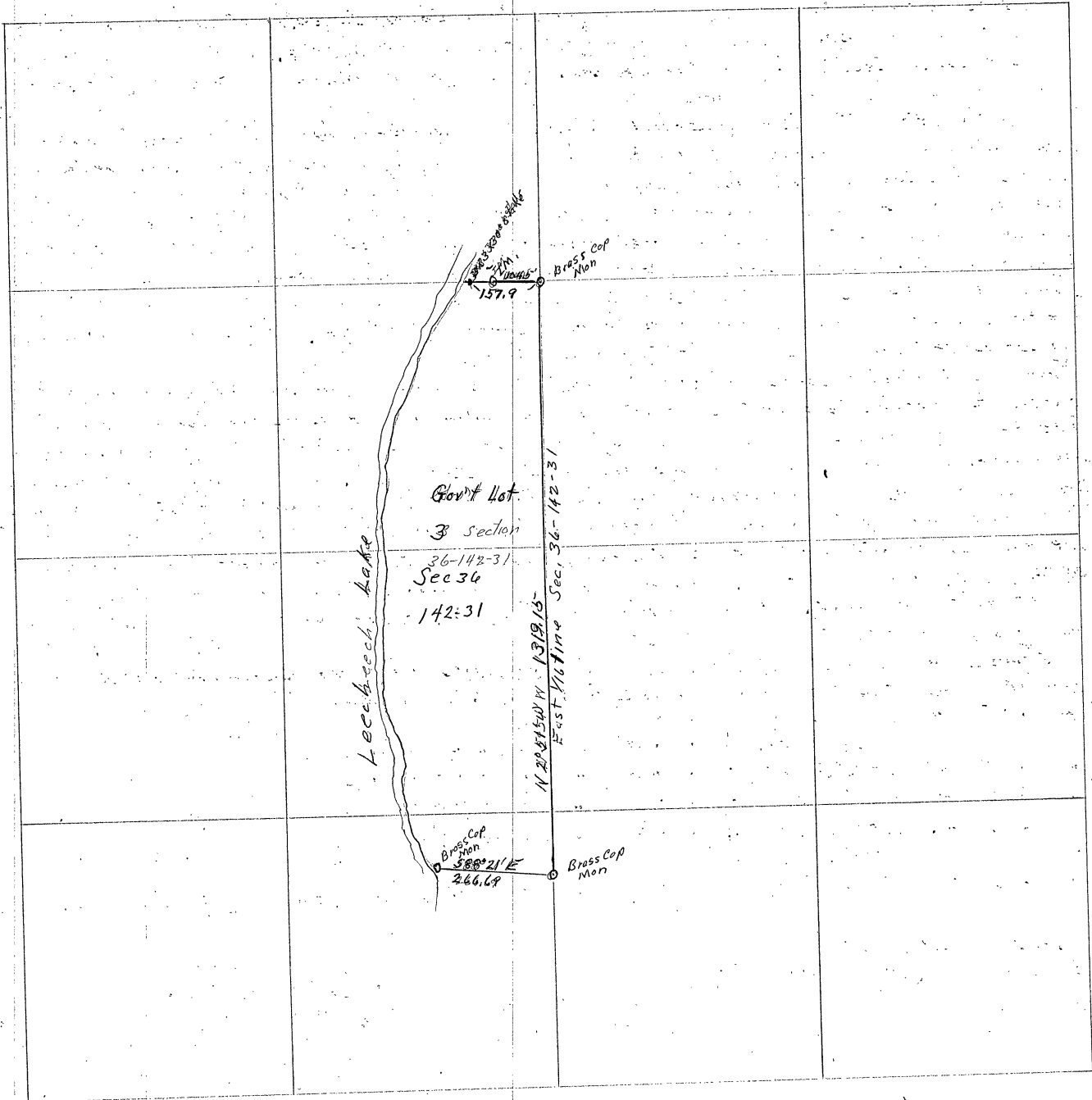
Surveyed May 1950
Recorded Jan. 5th 1953

Harold Curo
County Surveyor
of Cass County Minn.

145

D

651



Leech Lake

Gov't Lot
3 section
36-142-31
Sec 34
142:31

N 20° 51' 50" W 1319.15'
East of Line Sec. 36-142-31

157.9'

Brass Cop
Mon

Brass Cop
Mon
266.69'

Brass Cop
Mon

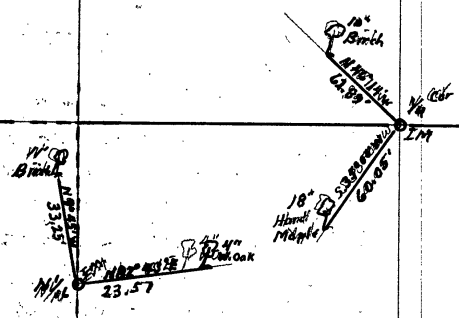
692

D

Sections 23-26 and 27 Twp 140ⁿ Rge 29^w of the 5th P.M.

Survey Record No 652
Cass County Minnesota

Sec. 23-140-29



Sec 27
140-29

Sec 26
140-29

D

Sections 23-26 and 27 Twp 140^N Rge 29 W of the 5th P.M.Survey Record No. 652
Cass County Minnesota

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County Minnesota in the above named sections as shown by the annexed plat on page 410 of this Book "D" of the County Record Books of Surveys made in Cass County Minnesota said plat is a part of said field notes and is correct.

At the true point for the $\frac{1}{4}$ corner between Sections 23 and 26 Twp 140 Rge 29 I drive a 2x30" iron pipe to mark the true point for this corner and mark the following bearing trees to help hold and to find the true point for this $\frac{1}{4}$ corner again if the corner is grubbed out. From this $\frac{1}{4}$ corner I run into Section 23 Twp 140 Rge 29 as follows. N 46°11' W 62.89 feet to a blazed spot at the base of a 10 inch White Birch tree. Then I run South 43.54 feet to the Section line. Then I run East 45.38 feet to the corner for a check

From said $\frac{1}{4}$ corner I run into Section 26 Twp 140 Rge 29 as follows S. 35°00' W. 60.05 feet to a blazed spot at the base of a 18" Hard Maple tree Then I run North 49.19 feet to the Section line. Then I run East 34.44' to the corner for a check

At a point for the True N $\frac{1}{16}$ corner between Sections 26 and 27 Twp 140 Rge 29 I drive a 2x30" iron pipe for the true N $\frac{1}{16}$ corner and from which I run into Section 27 Twp 140 Rge 29 as follows: N 9°45' W. 33.35 feet to a blazed spot at the base of a 11 inch White Birch Tree. Then I run East 5.63 feet to the Section line. Then I run South 32.77' to the corner for a check From said N $\frac{1}{16}$ corner between Sections 26-27 Twp 140 Rge 29 I run into Section 26 as follows. N 82° 43' E 23.57 feet to a blazed spot at the base of a 4 inch White Oak Tree From which I run West 23.38 feet to the Section line Then I run South 2.99 feet to the corner for a check

Surveyed NOV 1952

Harold Curo

Recorded Jan. 7th 1953County Surveyor
of Cass County Minnesota

Section 19 Twp 141 N Rge 27 W of the 5th P.M. and
Section 24 Twp 141 N Rge 28 W of the 5th P.M. both in

Survey Record No 653
Cass County Minnesota

Field Notes

field notes of the survey made by Harold Curo County Surveyor of Cass County Minnesota in the above named sections as shown by the annexed Plat on page 413 of this Book "D" of the County Record Books of Surveys made in Cass County Minnesota. Said Plat is a ¹⁰⁰ part of said field notes and is correct:

At the $\frac{1}{4}$ corner between Section 19 Twp 141 Rge 27 and Section 24 Twp 141 Rge 28 I find a $2\frac{1}{2} \times 48$ " Gal. iron monument with a cap on top also a brass capped monument set by the Gov't surveyors in their Re-survey of Indian lands as there are no signs of any bearing trees left. I mark some and Record them to help hold the location of this corner.

From said $\frac{1}{4}$ corner I run into Section 19 Twp 141 Rge 27 as follows ¹⁰⁰

S. $31^{\circ}30'E$ 15.10 feet to a blazed spot at the base of a 6 inch White Birch Tree. Then I run West 7.89 feet to the section line. Then I run North 12.87 feet to the corner for a check

From said $\frac{1}{4}$ corner I run into Section 24 Twp 141 Rge 28 as follows ¹⁰⁰

N $67^{\circ}50'W$ 19.40 feet to a blazed spot 3 feet up on a 5 inch White Birch Tree. Then I run East 17.97 feet to the section line. Then I run South 7.32 feet to the said $\frac{1}{4}$ corner for a check

Surveyed Aug. 1952

Harold Curo

Recorded Jan. 8th 1953

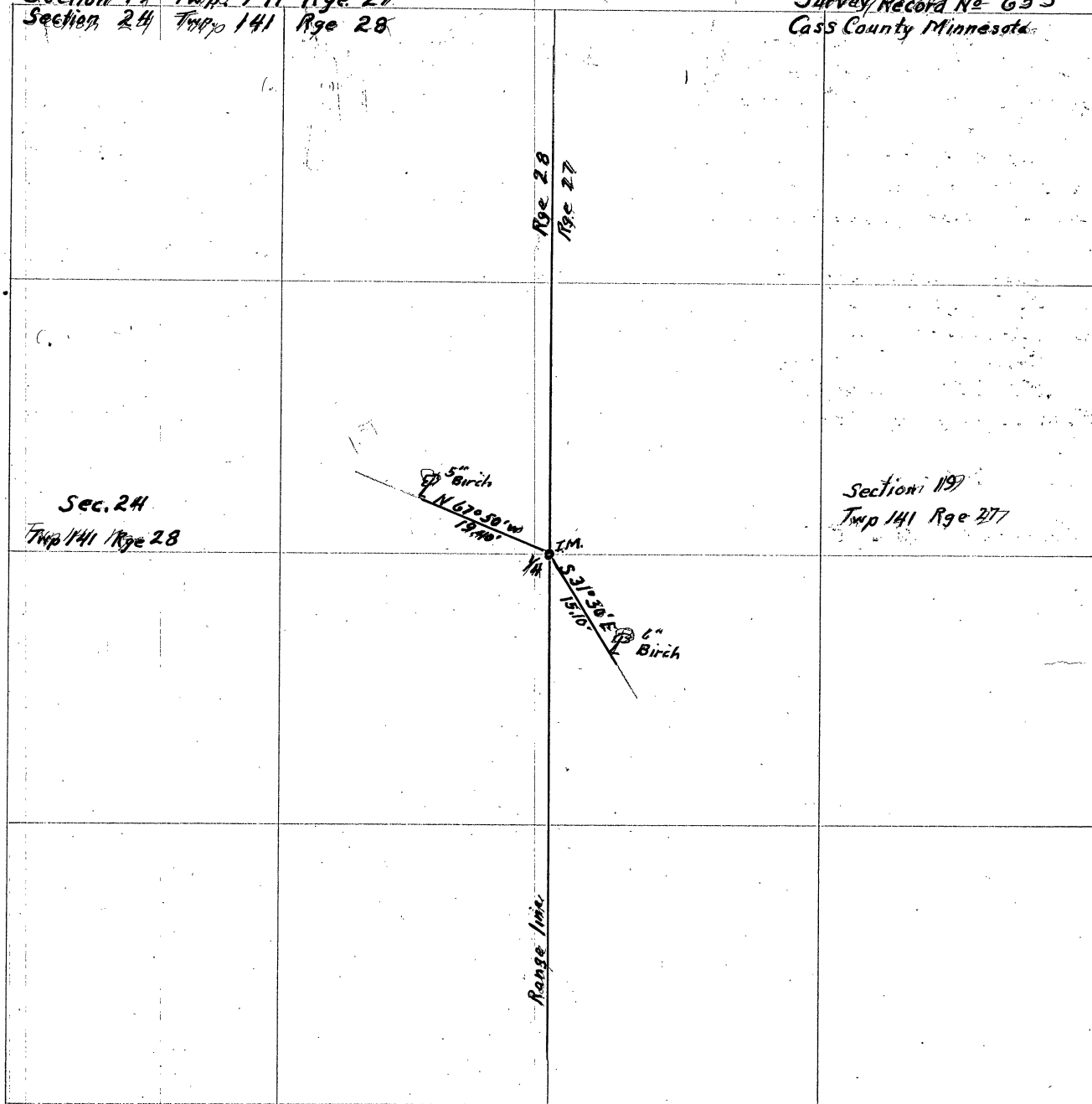
County Surveyor
of Cass County Minnesota

653

D

Section 19 Twp 141 Rge 27
Section 24 Twp 141 Rge 28

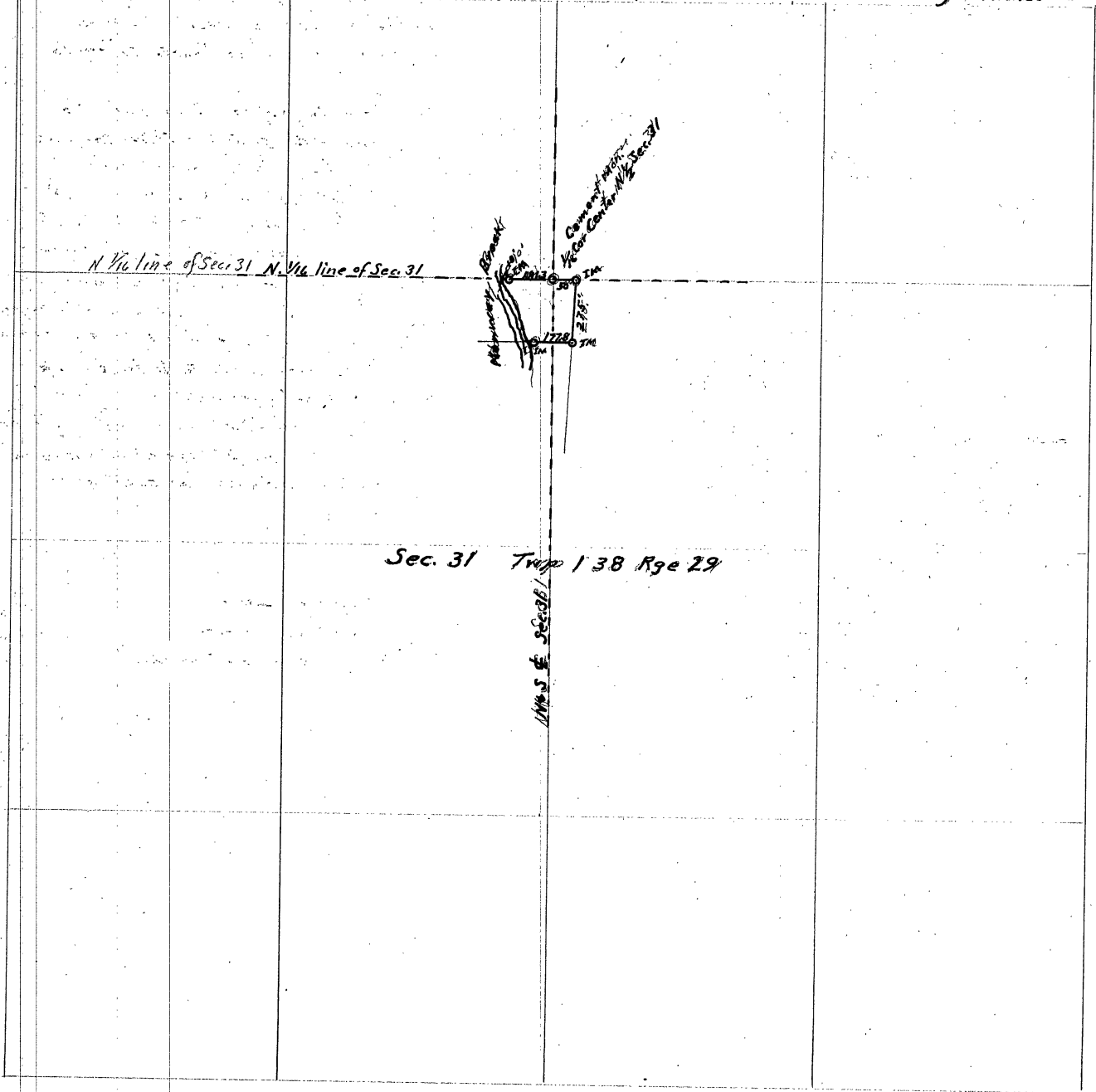
Survey Record No 653
Cass County Minnesota



D

Section 31 Twp 138^N Rge 29^W of the 5th P.M.

Survey Record No 654
Cass County Minnesota



Sec. 31 Twp 138 Rge 29

W. S. of Sec. 31

N. V. line of Sec. 31 N. V. line of Sec. 31

Boundary of Sec. 31

Corner of 1/4 Sec. 31
Near Center of Sec. 31

1728
1729

D

Section 31 Twp 138^N Rge 29^W of the 5th P.M.Survey Record No 654
Cass County Minnesota

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County Minnesota in the above named Section as shown by the annexed plat on page 414 of this book "D" of the County Record Books of Surveys made in Cass County Minnesota. Said Plat is a part of said field notes and is correct.

On Dec. 23rd 1952 Donald Curo and I Leave Walker in my car and drive to Pine River Minnesota Where we meet John and David Rohr. We go to the N¹/₄ corner being the center of the North half of Section 31 Twp 138 Rge 29. We spend sometime locating this corner, which is a cement monument. from this N¹/₄ corner we run West along the N¹/₄ line of said Section 31 a distance of 181.30 feet and set a 2 x 30" pipe on the East shore of Norway Brook about 10 feet East of the waters edge for the N.W. corner of the tract of land we are surveying out. From said N¹/₄ corner we run East along the said N¹/₄ line of said Section 31 a distance of 50 feet and set a second 2 x 30" iron pipe for the N.E. corner of the said tract. Transit over said N.E. corner site Northerly along the stake line on the East side of a Street which runs Northerly from this N¹/₄ line and run S. 3° 23' W using the N¹/₄ as True East and West @ 275.00 feet S. we set a third 2 x 30" iron pipe to mark the S.E. corner of the tract I am surveying. transit over said S.E. corner we run West parallel with the said N¹/₄ line of said Section 31 - Twp 138 Rge 29 a distance of 177.80 feet where we set the fourth 2 x 30" iron pipe for the S.W. cor of said tract three feet East of the waters edge of said Norway Brook

Surveyed Dec. 23rd 1952Recorded 10th 1953

Harold Curo
County Surveyor
of Cass County Minnesota

Section 5 Township 142^N Range 31^W of the 5th P.M.Survey Record No 655
Cass County Minnesota

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County Minnesota in the above named Section as shown by the annexed Plat on page 417 of this book "D" of the County Record Books of Surveys made in Cass County Minnesota, said Plat is a part of said field notes and is correct.

Sept. 10th 1950 I pick up Clifford Swenson in Walter, Minnesota at 11 O'clock 100
We drive to the I.M.M.C. on the Northerly side of Kabakonna bay Leech Lake. Transit over between Gov't Lots 6 and 7 Section 5 Twp 142- Rge 31. Transit over said M.C. site East on the true line between said lots 6-7 and run S 45°00' E using the line between said lots 6 and 7 as East and West We run S 45°00' E at 1075 hub = a 60° spike @ 1150 hub = 100 a 60° spike. Transit over hub 1150 site N 45°00' W Turn 90° and run N 45°00' E 125.00 feet where we drive a 2x30" iron pipe for the S.E. Corner of the tract of land Clifford Swenson bought from Alvin Clarine. Transit telescope and run S 45°00' W at 24.00 feet enter the water of Kabakonna bay. as there is no place between the hub under the Transit and the Lake I drive an 2x30" iron pipe at 1150.00 ft S.E. of M.C. to mark Clifford Swenson South line and mark the following bearing trees to help hold this line as follows 100

Birch 6 N. 7°48' E 15.20 feet to a blazed spot at the base

Oak 10 N. 71°00' E 7.35 feet to a blazed spot at its base

Transit over hub 1075.00 S E of I.M.M.C. between Lots 6-7 Section 5 Twp 142-31 10
site N 45°00' W Turn 90° R and run N 45°00' E 125 feet where we drive a 2x30" iron pipe for the N.E. corner of Clifford Swenson's tract of land. Transit telescope and run S 45°00' W at 17.50 feet waters edge of Kabakonna bay. as there is no place to put a corner between point 1075.00 which is under the Transit and the shore of Kabakonna bay we drive a 2x30" iron pipe at hub 1075.00 S.E. of said I.M.M.C. to mark and hold the Northerly line of Clifford Swenson's tract of land and mark the following bearing trees to help hold this line 100

N.P. 10 N. 13°22' W 24.65 ft to spot at base

Oak 10 S 70°44' E 17.50 ft. to spot at base 105

Surveyed Sept 10th 1950

Harold Curo

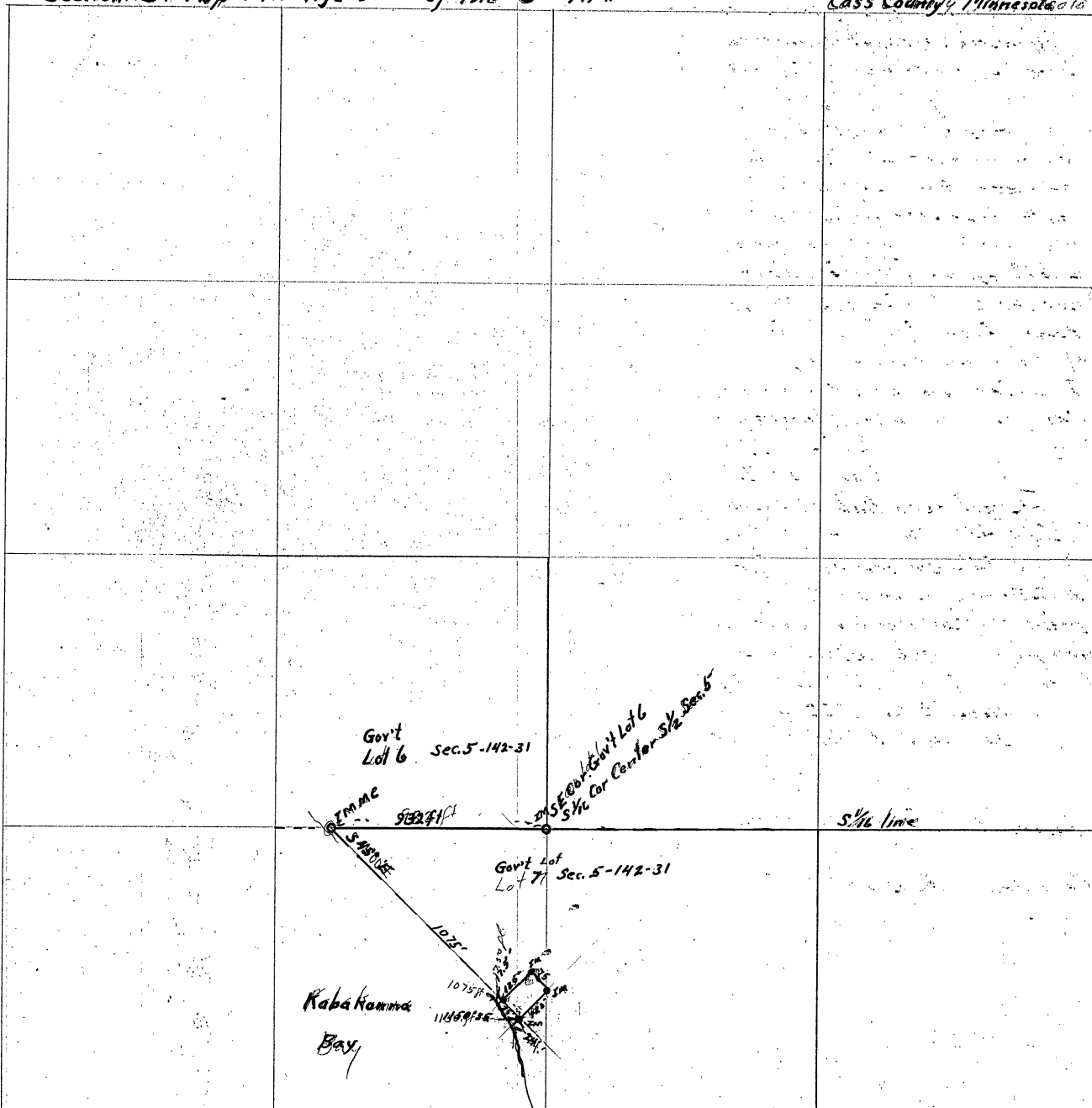
Recorded Jan. 20th 1953

County Surveyor of
Cass County Minnesota

D

Section 5: Twp 142^N Rge 31^W of the 5th P.M.A.

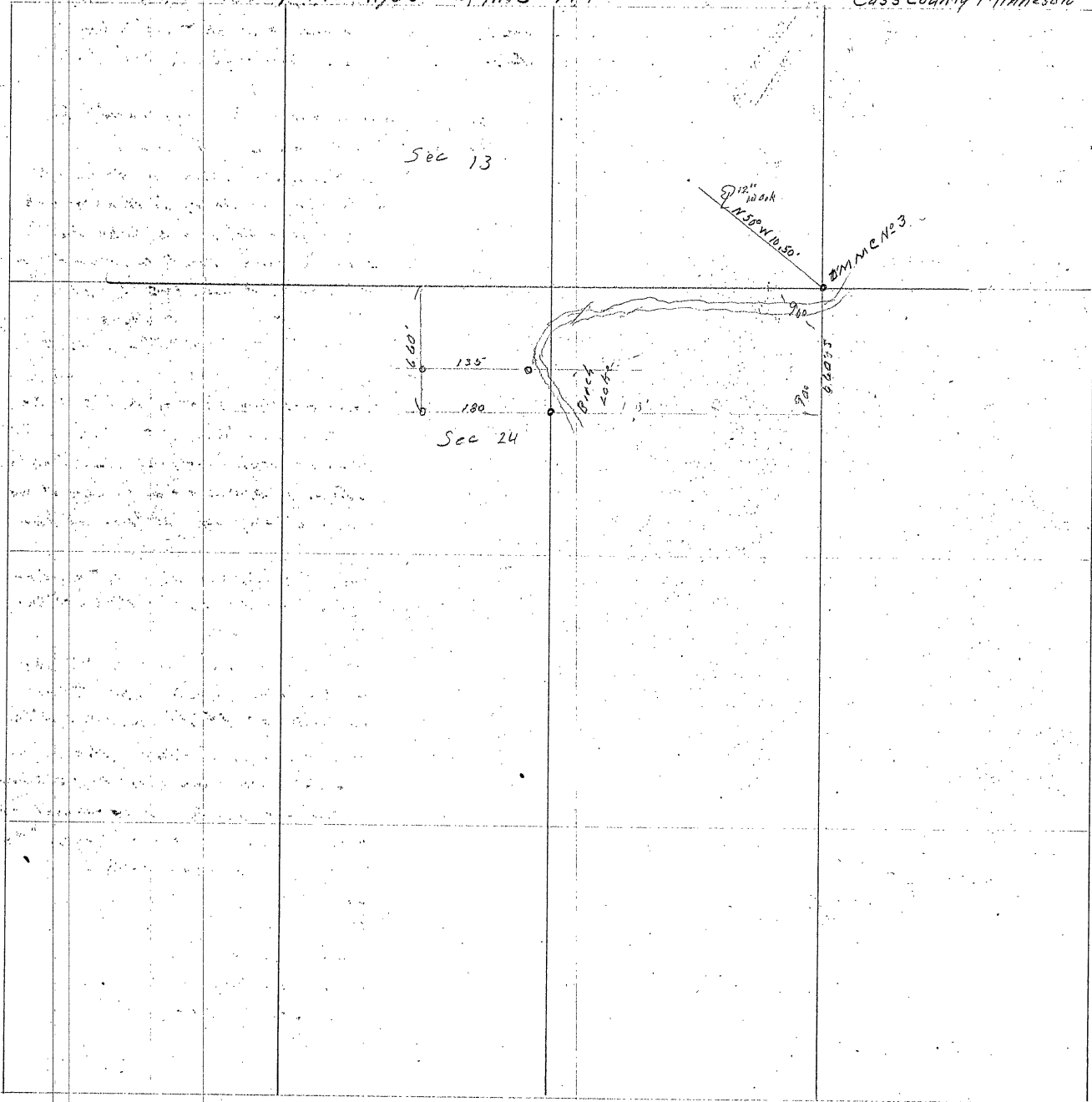
Survey Record No. 655
Cass County, Minnesota



D

Sections 13 and 24 Twp 140N Rge 31W of the 5th PM

Survey Record No 656
Cass County Minnesota



D

Paid for by County

Sections 13 and 24 Twp 140^N Rge 31^W of the 5th PMSurvey Record No 656
Cass County Minnesota

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County Minnesota in the above named sections as shown by the annexed plat on page 118 of this book "D" of the County Record Books of Surveys made in Cass County Minnesota. Said plat is a part of said field notes and is correct.

On Jan. 17th 1953 Charles E. Graham calls me from Fargo N.D. He is leaving for Walker Minnesota and will meet me at my office in the Court House around noon to day.

I take Edward Curo and go to the office and get ready for Mr. Graham who arrives at 11-45 AM. Charles E. Graham in his car and Edward Curo and I in my car we drive to Hockensack where we stop and pick up William E. Bodenhofer. We try to drive around Birch lake but have to turn back as there is too much snow. From Hockensack we drive across Birch lake on the ice to the I.M. set by John Howard for M.C. No 3 between sections 13 and 24 Twp 140 Rge 31.

Setting the Transit over I.M.C. No 3 I run into section 13 - T. 140 R. 31 as follows

N about 30° W 10.50 feet to a 10 inch white Oak tree. Transit still at I.M.C. No 3 I try to run South 90° to the Section line but cannot get thru the trees along the shore of Birch lake so I extend the N line of section 24-140-31 East out on the ice of Birch lake

Transit over a point on the ice on the N line of said Section 24 I turn 90° and run South on the ice at 660 feet to a point on the ice which marks the South line of the property I am surveying from 660 ft S. I chain N 120 ft and set a point on the ice 540 feet South from the N line of said Section 24 - being the N line of the property I am surveying Extended out on the ice

Transit over point 540.00 feet S. of the N. line of said Section 24 Turn 90° and run West and set a 2x30" iron pipe for the NE corner of said property on the bank of Birch lake 10 feet West of the waters edge.

Transit over point 660.00 feet South from the North line of Section 24-140-31 Turn 90° and run West and set a 2x30" iron pipe on the bank of Birch lake 10 feet West of the waters edge. From this last iron pipe I chain West 180 ft parallel with the N line of said Section 24. and drive a 2x30" pipe in a swamp for the S.W. corner of said property Transit over said S.W. corner Turn 90° and run North 120 feet and drive a 2x30" iron pipe for the N.W. corner of said property This tract of land being surveyed according to the description that is on file in the office of the Register of Deeds in Book 99 of Deeds on page 527 except that the North line is only 135 feet long and Not a 180 feet as called for in said description

Surveyed Jan. 17 1953

Harold Curo
County Surveyor
of Cass County MinnesotaRecorded Jan. 30th 1953

Sections 13-22, 23-24-25 Twp. 139^N Rge 30
and Section 19 Twp 139^N Rge 29^W of the 5th P.M.
Field Notes

Survey Record No 657
Cass County Minnesota

Field notes of the survey made by Harold Curo, County Surveyor of Cass County Minnesota in the above named sections as shown by the annexed plat on page 421 of this Book "D" of the County Record Books of Surveys made in Cass County Minn.

On Dec. 13th 1954 I Leave Walker and drive to Chat. Felthous Res. on Portage lake Mr. Felthous can not get any help so I drive back to Walker. In P.M. Mr. Felthous calls to tell me he has two men for to-morrow

Dec. 14th 1954: I drive to Felthous where I pick up Glen Waldron and Arthur Rueck drive to the $\frac{1}{4}$ corner between Secs. 23+24 Twp 139^N Rge 30^W of the 5th P.M. Cass County Minn. Ties to $\frac{1}{4}$ between Secs 23 + 24 - 139-30 J.P. 8" in diam bears N13°30'E 35.85ft. - J.P. 10" in diam bears N34°40'W 47.96ft.

Transit over $\frac{1}{4}$ cor. run South on 6" Van. (mag) at 65' enter small swp. at 120 Lv. same. at 254.65 S. hub 60° spike at 659.60 hub 60° spike at 1010 S. North edge of creek at 1065 S. Lv creek at 1265 hub 60° spike quite for night

Dec. 15th 1954. A.M. Glen Waldron + Arthur Rueck continue cutting random line south between sec. 23+24 at NOON Rueck goes home he has to saw wood this P.M. Glen + I chain up our random line bet. Secs 23+24. from hub 1265.0 S at 1375 center of road in curve. at 1618.3 hub 60° spike at 1877.3 S hub 60° spike @ 2005 center line of road at 2105 enter swp. @ 2527.4 hub 60° spike Transit over 2527.4 the I.M. true corner to Secs. 23-24-25-26 bears Left or S 41°15' E 112.90ft. quit for night

Dec 17th 1954: Crew: Harold Curo Transit + chain Waldron and Rueck ax flag + Chain We correct hub. 254.65 S of $\frac{1}{4}$ Cor. East 7.26 ft set flag Transit over $\frac{1}{4}$ cor. 18 S. S. on corrected hub 254.65 and run North on true line bet. Sec. 23+24 at 188.8 hub 60° spike at 470.5 hub 60° spike at 720 N. bank of creek in bend at 878.4 hub 60° spike on low seawall 15 wide. at 978 waters edge of Portage lake

Dec. 18th 1954: Same crew: Beg. at the I.M. $\frac{1}{4}$ Cor bet. Sec. 13+24 Twp 139 Rge 30 run S. on a random line thru the center of Sec. 24 Var 6° (mag) @ 491.4 hub 60° spike in road at 1303.4 spike hub at 1892.4 spike hub at 2110 cross Glen's road at 2590 center of Tar road about 40 ft W. of where tar road runs N. @ 2623.9 hub on shoulder of road at 3016.4 spike hub at 3620.4 spike hub @ 3952.4 cross old wire fence @ 4751.2 hub @ 4812 enter marsh at 4992 Lv. at 5167.6 thru the I.M. $\frac{1}{4}$ Cor. bet. sec 24-25 139-30 bears Left or S 41°10' E 133.1 Ties to $\frac{1}{4}$ S. side Sec. 24. W.P. 16" in diam. bears N 25°41' E 85.05 ft. R.O. 6" in diam bears S 50°12' E 68.10' to spots at base

Dec. 31-1954: Crew: Harold Curo Transit-chain Arthur Rueck ax-flag + chain Glen Waldron ax-flag + chain beg. at $\frac{1}{4}$ cor bet. Sec's 23 + 24 - 139-30 and run ^{EAST} West on a random line being the E + W center line of Sec. 24. at 955.1 hub 60° spike at 1457.9 spike hub at 2608.4 spike hub at intersection of N+S random 2623.9 S. of $\frac{1}{4}$ Cor on N side of sec. 24 at 2704 cross old fence N+S at 2825.10 spike hub at 3529.2 spike hub at 3971.9 cross fence N+S 7 ft N of tree stub used for cor. post at 5279.4 spike hub. Transit over 5279.4 E. the I.M. $\frac{1}{4}$ Cor on the E. side of sec. 24 on range line bears Right or S 45°34' E 36.45' Ties to $\frac{1}{4}$ W. Birch S-S about 40' E 14.8. - J.P. 9" N about 35° W 17.80. at a point 2635.30 S and 2659.00 E = intersection of true N+S and E+W center lines we set a 60° spike for true center of Sec. 24 Twp. 139-N. 30 to be replaced later with an I.M. Ties to true center of Sec. 24-139-30 viz: J.P. 6" S 67°12' W 29.0ft - J.P. 4" N 44°04' E 21.96' to spots at base of trees, At the $\frac{1}{4}$ cor on the N side of Sec. 24 being also M.C. N#6 We check the old B.T. tie W.P. 12 North 68.40 J.P. 14 S 47° W 46.50

At the $\frac{1}{4}$ cor bet. sec's 22-23-139-30 being an 2x20" iron pipe we tie this cor. up with new B.T. viz: Red Oak 7" in diam. bears N 44°48' E 14.90' to spot at Base W. Birch 9" in diam bears N 26°30' W 34.30' to a flat spot at Base

Surveyed

checked

Recorded this 9th day of March 1957

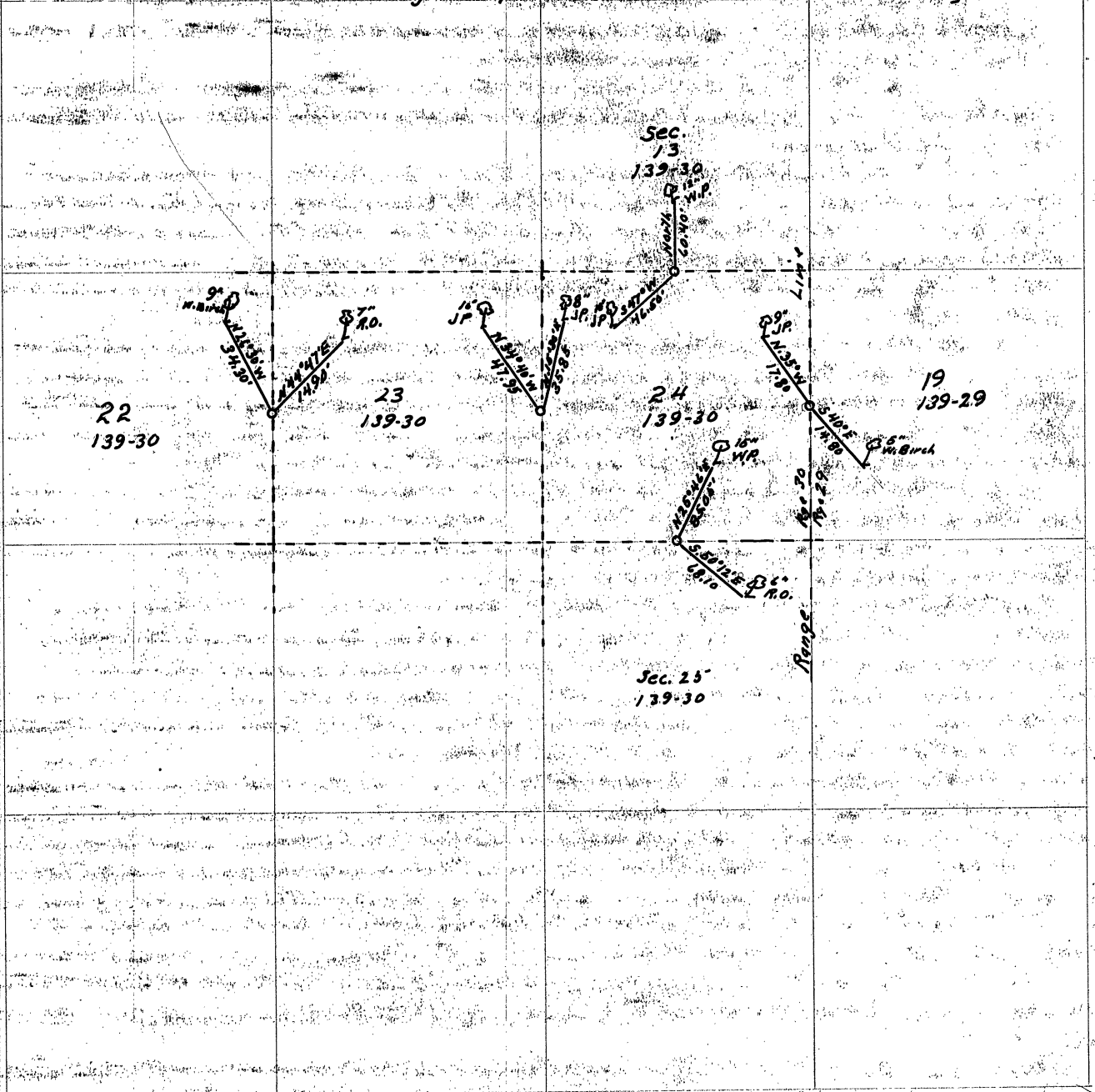
Harold Curo

County Surveyor
of Cass County Minn

D

Section 19 Twp 139 R. 29 +
Sections 13-22-23-24+25 Twp 139 N Rge 30 W of the 5th P.M.

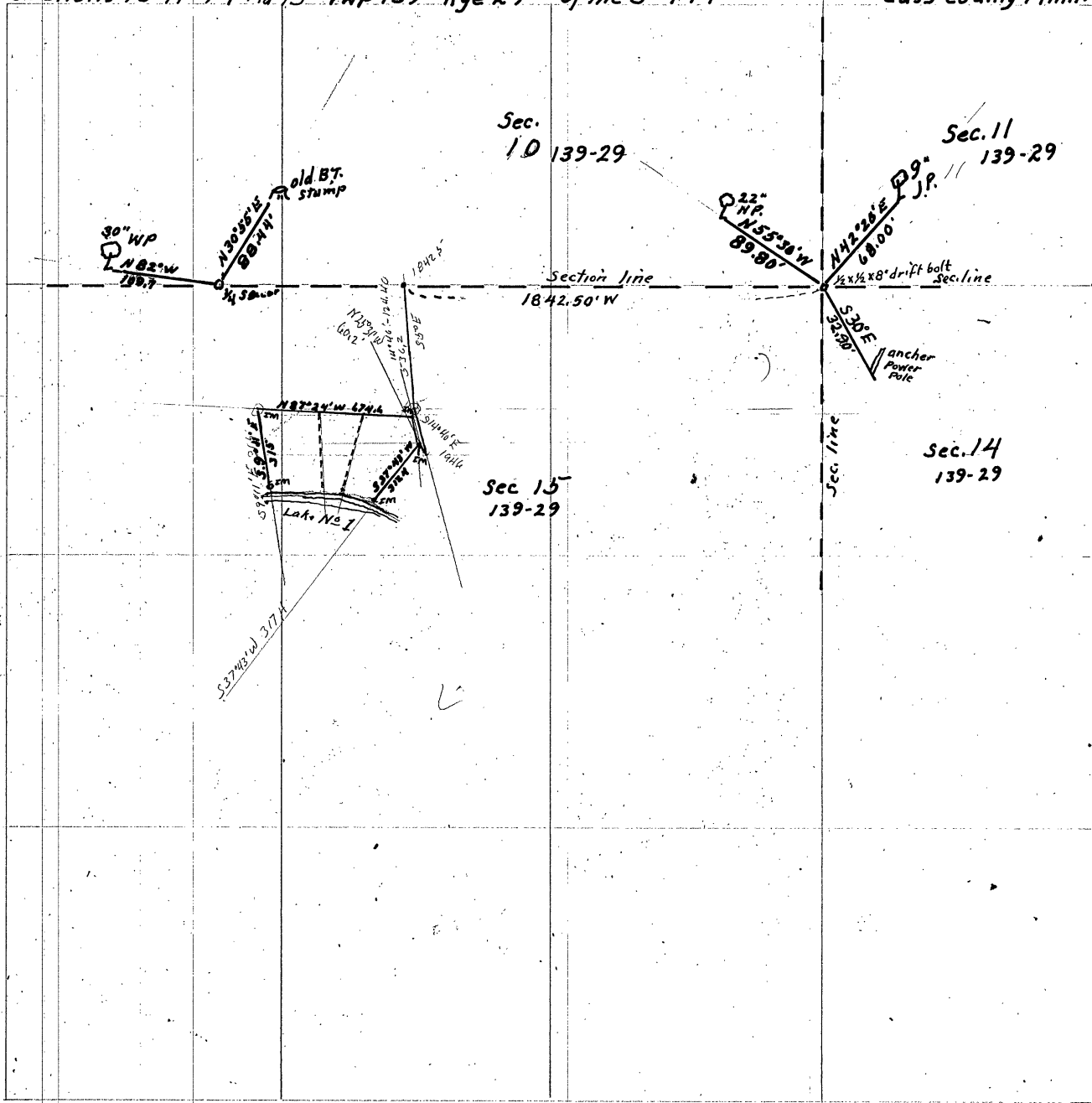
Survey Record No 657
Cass County, Minnesota



78

Sections 10-11-14 and 15 Twp 139ⁿ Rge 29^w of the 5th PM

Survey Record No 658
Cass County Minn.



D

Sections 10-11-14 and 15 Twp. 139 N Rge 29^W of the 5th P.M.Survey Record No 658
Cass County Minnesota

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County Minnesota in the above named sections as shown by the annexed plat on page 422 of this Book "D" of the County Record Books of Surveys made in Cass County Minn. This plat is a part of said field notes

Working for James G. Terry. On Aug. 11th 1952 I pick up Fred Nichols and Edward Curo and drive to James Terry's farm in Sec. 15 Twp. 139 Rge 29 where I am shown the tracts of land I am to survey out on Lake No 1 in Gov't Lot 2 Section 15 Twp. 139 Rge 29. as I can not seem to get the irons shown me to check out. I decide to run the lines according to the descriptions that are recorded in the Register of Deeds Office at the Court House in Walker Minn. We go to the corner of Sec. 10-11-14-15-139-29. From a 9" J.P. tree in section 11. I run S 42° 20' W. 68.0 ft to a point from a 22" N.P. tree in the Cemetery in section 10. I run S 55° 30' E 89.80 ft to a point; from an anchor power pole in sec. 14 I run N 30° W 32.9 ft to a point at this point I find a 1/2 X 1/2 X 8" drift bolt set for the true corner to sections 10-11-14 & 15 from this corner I run West along the Tar road 2643.00 ft from the Old U.S. B.T. stamp in section 10. I run S 30° 55' W 88.44 ft to a point from a W Pine tree 30" in diam I run S 82° E 109.70 ft to a point said points being the place for the true 1/4 corner bet sec. 10 & 15. as the distance between the true 1/4 cor on N side sec 15 to the NE corner of sec 15 is 2643.00 ft at a point 1842.50 ft West of the NE cor. Sec. 15 I set a 60° spike on true N line of sec 15. From spike 1842.50' W we run S following the descriptions on site. viz. S 55° E 536.20 ft - S 14° 40' E 194.6 ft to pt of Beg. Kileston tract; from point of Beg. N 85° 31' W 60.20 ft out spike from spike 60.20 run S 37° 43' W 317.40 ft to an iron iron. 18 ft from water of Lake No 1 from spike 60.20 I run N 14° 40' W 124.40 ft to NE cor of tract I am surveying from NE corner run N 87° 24' W 674.00 ft to an Iron Mon. at NW cor of the tract I am surveying from said NW cor. I run S 7° 11' E 315 ft to an I.M. on the shore of Lake No 1 - 30 ft N of water edge. Thence Easterly along the bank of Lake No 1 - 2.40 ft + 78.10' + 144.60' to the iron on the bank 18 ft N of water edge of Lake No 1.

Surveyed

Recorded this 14th day of March 1957Harold Curo
Harold Curo County Surveyor
Cass County Minn.

Sections 8-9-10-11-14-15-18-22-23 Twp 140N Rpe 26W of the 5th PM

Survey Record No. 659
Cass County, Minnesota

Field Notes

Field notes of the survey made by Harold Caro County Surveyor of Cass County, Minnesota in the above named sections as shown by the annexed plat on page 425 of this Book "D" of the County Record Books of Surveys made in Cass County, Minnesota.

This plat is a part of said field notes and it correctly represents my survey.

The reason for this record is that the property owners requested it be recorded.

The object of this record is to try and hold the section lines and section corners at their original location. Which is hard to do with the State Highway Dept. covering them with their tar roads or grubbing them out without no ties to locate or replace them. The county Highway Dept. has been as bad as the State for destroying corners.

The survey made by me in Sections 10-11-14-15-22 and 23 was made in order to locate the lines of land owned by Nancy J. Schutz.

The survey made in Sections 8-9-16-17-140-26 was made to establish the section line between sections 9+16-140-26.

Surveyed 1953 Checked 1956

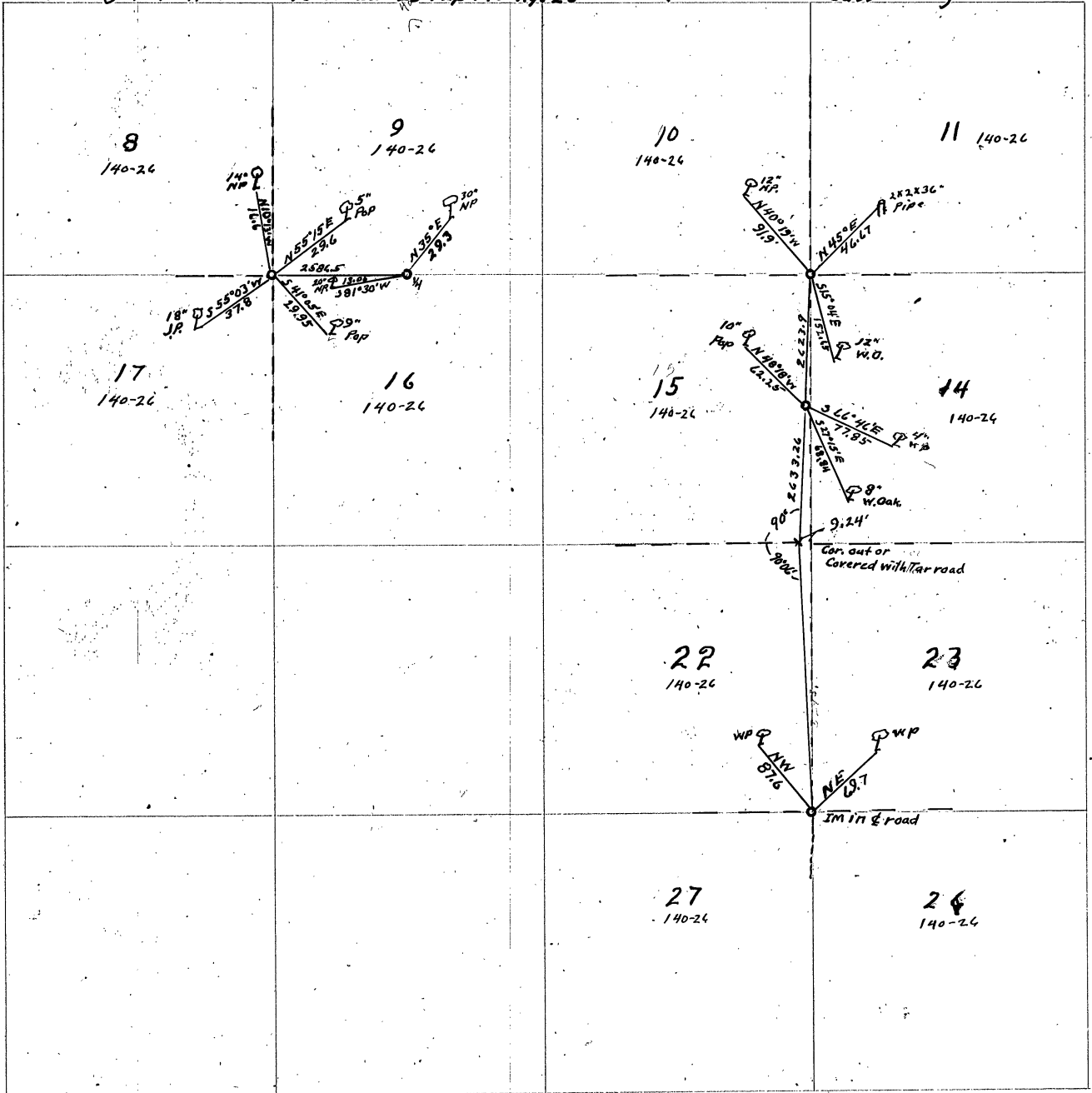
Recorded this 23rd day of March 1957

Harold Caro
Harold Caro County Surveyor

D

Sections 8-9-10-11-14-15-16-17-22+23 Twp 140 Rge 26

Survey Record No. 659
Cass County Minn.



D

Sections 4-5-8-9-16 Twp 143 N Rge 31 W of the 5th P.M. Cass County Minn.

Survey Record No 660
Cass County Minnesota

Field Notes

Field notes of the survey made by Harold Curo, County Surveyor of Cass County Minnesota in the above named sections as shown by the annexed plat on page 426 of this Book "D" of the County's Record Books of surveys made in Cass County Minnesota

101

This plat is a part of said field notes and is correct

110

The survey made in sections 4-5-8-9-143-31 was made by me for Andy Griffen a land owner in Cass County Minnesota

The survey made in section 16 Township 143 N Rge 31 W of the 5th P.M. Cass County Minn. was made by me for Frank E. Hedge also a land owner in Cass County Minn.

Surveys made

Recorded this 26 day of March 1957

Harold Curo
Harold Curo County Surveyor of Cass County Minn

Sections 1-12-15-16 Twp 140N Rge 31W of the 5th P.M.
 Sections 6-7 Twp 140N Rge 30^W of the 5th P.M.

Survey Record No 661
 Cass County Minnesota

Field Notes

Field notes of the surveys made by Harold Curo County Surveyor of Cass County Minnesota in the above named section as shown by the annexed plat on page 429 of this Book "D" of the County Record Books of Surveys made in Cass County Minnesota said plat is a part of said field notes and represents my survey correctly:

At the $\frac{1}{4}$ corner between Section 1 Twp 140 Rge 31 and sections 6 Twp 140 Rge 30 crew: Harold Curo Transit and chain Albert Thomas ax man and chainman, Edward Curo and John Collins ax man. We find the iron mon. being a $2\frac{1}{4} \times 48$ " capped Gal. iron mon. set by John M. Greene a former County Surveyor of Cass County. When he sub-divided Section 6 Twp 140 Rge 30 for Cass County as there are no bearing trees or ties marked or recorded to help hold the location of this $\frac{1}{4}$ corner I take Ties and am recording same viz: A White Oak tree 10" in diam. bears N $87^{\circ}20'$ E 21.95 feet to a flat spot at base. A Poplar tree 10" in diam. bears N $35^{\circ}33'$ W 21.40 ft. to a flat spot at the base courses taken from Range line North

From the iron $\frac{1}{4}$ Cor. we run south on a random line at 1195.05 S the iron $S \frac{1}{16}$ corner on the Rge line bet. Sec. 1-140-31 and Sec. 6-140-30 bears $13^{\circ}19'$ Left 129.63 ft. We correct our line and continue south on true Range line at 2642.38 ft S. We set a 60" spike for true corner to Secs. 1+12-140-31 and Secs. 6+7- Twp 140 Rge 30. as this corner comes in the center of the County road which is now under construction and as any iron we set at this time will be taken out when work on this road starts in the spring and to reserve this point I mark and record the following bearing trees viz:

Birch 8" in diam. bears N $41^{\circ}29'$ W 69.00 ft. to a flat spot at the base

" 10" " " " S $58^{\circ}13'$ W 119.05 ft " " " " "

Tele. pole 8" " " S $63^{\circ}33'$ E 100.37 ft. to a light spot at the base

At the $\frac{1}{4}$ corner between Sections 15th and 16th Twp 140 Rge 31 we find the iron mon. which is in the center of the County road at or near the end of the new road construction and as it might be grubbed out we mark bearings and record them so the corner can be put back at its orig location if taken out Ties viz:

A White Pine Tree 26" in diam bears N $14^{\circ}12'$ W 74.30 feet to a flat spot at its base

A Jack Pine Tree 10" " " " S $70^{\circ}15'$ E 47.75 feet to a flat spot at its base

Surveyed

Recorded this 28th day of March 1957

Harold Curo

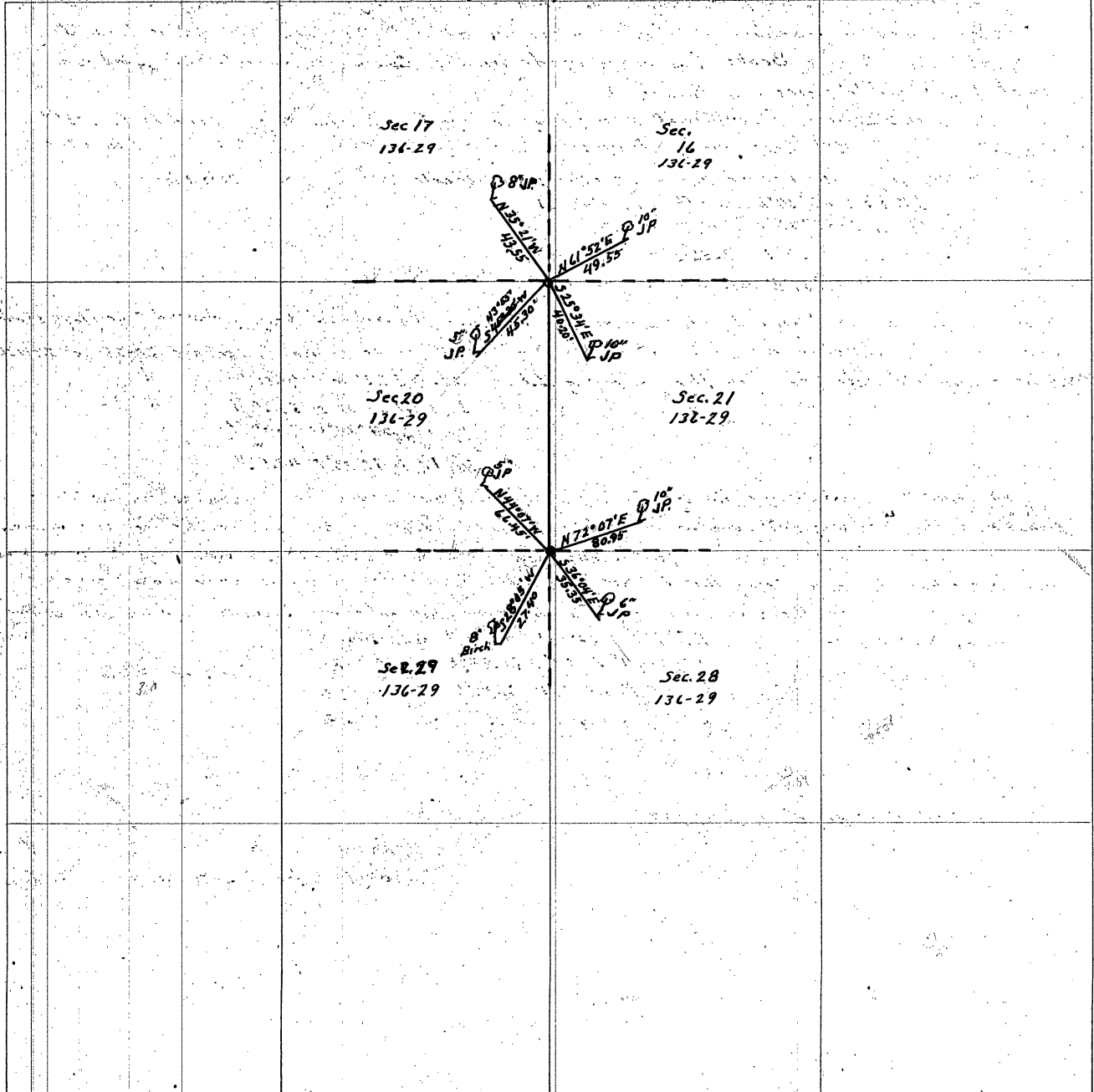
Harold Curo County Surveyor

Cass County Minn

D

Sections 16-17-20-21-28+29 Twp 136^N Rge 29^W of the 5th P.M.

Survey Record No. 662
Cass County Minnesota



Sections 16-17-20-21-28+29 Twp 136^N Rge 29^W of the 5th P.M.

Surrey Record No. 662.
Cass County Minnesota

Field Notes

Field notes of the survey made by Harold Curo County Surveyor of Cass County Minnesota in the above named section as shown by the annexed plat on page 430 of this Book "D" of the County Record Books of Surveyors made in Cass County Minnesota. This plat is a part of said field notes and is correct

102

At the NE corner of section 20 being the corner to Sections 16-17-20 and 21 Twp 136^N Rge 29^W of the 5th P.M. Cass County Minnesota being in the road to hold its location I take the following bearings and record them so others can locate this corner ties viz:

- J.P. 10 S 25°34'E 40.20ft in section 21
- JP 5 S 43°55'W 45.30ft in " 20
- JP 10 N 61°52'E 49.55ft " " 16
- JP 8 N 35°21'W 43.55ft " " 17

151

From said corner I run south: crew Harold Curo Transit and chain Edward Curo flag + chain and axman M.V. Baker axman. at 5339.50' S we look for the corner to sections 20-21-28+29-136-29 where our old notes call for the following B.Ts.

- J.P. 4 S 35°08'E 41.00 ft
- JP 12 N 53°12'W 73.30 ft
- JP. 5 S 54°24'W 47.40 ft
- J.P. 1 1/2 N 47°23'E 47.40 ft

136

We find the 6 foot snag of the NW Pine blazed but blown down from about where the blaze would be if the tree was still standing we chain S 53°12' E 73.30 ft and locate the iron monument 2 1/2 X 4 1/2 Galv. iron mon. cap on top set for the true corner to sections 20-21-28+29 Twp 136 Rge 29 as we would have had a hard time locating this IM without finding the old tie and as it is down and about gone we mark new B.Ts and so others will be able to find this corner with out of work I am recording also at the request of Mr. M.V. Baker

113

128

- Birch 8 S 28°05'W 27.40ft in section 29
- J.P. 10 N 72°07'E 80.95ft " " 21 all to spots at base
- JP. 5 N 44°07'W 66.45ft " " 20
- JP 6 S 36°04'E 35.35 ft " " 28

Surveyed

Recorded this 30th day of March 1957

Harold Curo
Harold Curo County Surveyor Cass Co. Minn.

SEC. 34-144-28

SW Corner - Iron pipe - New ties - 14" Spruce S.16°20'W 39.7', 15" Spruce N.52°45'E 145.1', USCA6S Ac. Mon. 547'w 20.1'
Survey Nov. 1964 Recorded Jan. 21, 1966 R. F. Schneider Reg. No. 5740 [redacted] Cass County Surveyor

D

SEC. 34-144-28

SW Cor.
I. Pipe

D

SEC. 10-139-29

I. Pipe
NW Cor.
0 70° 26'

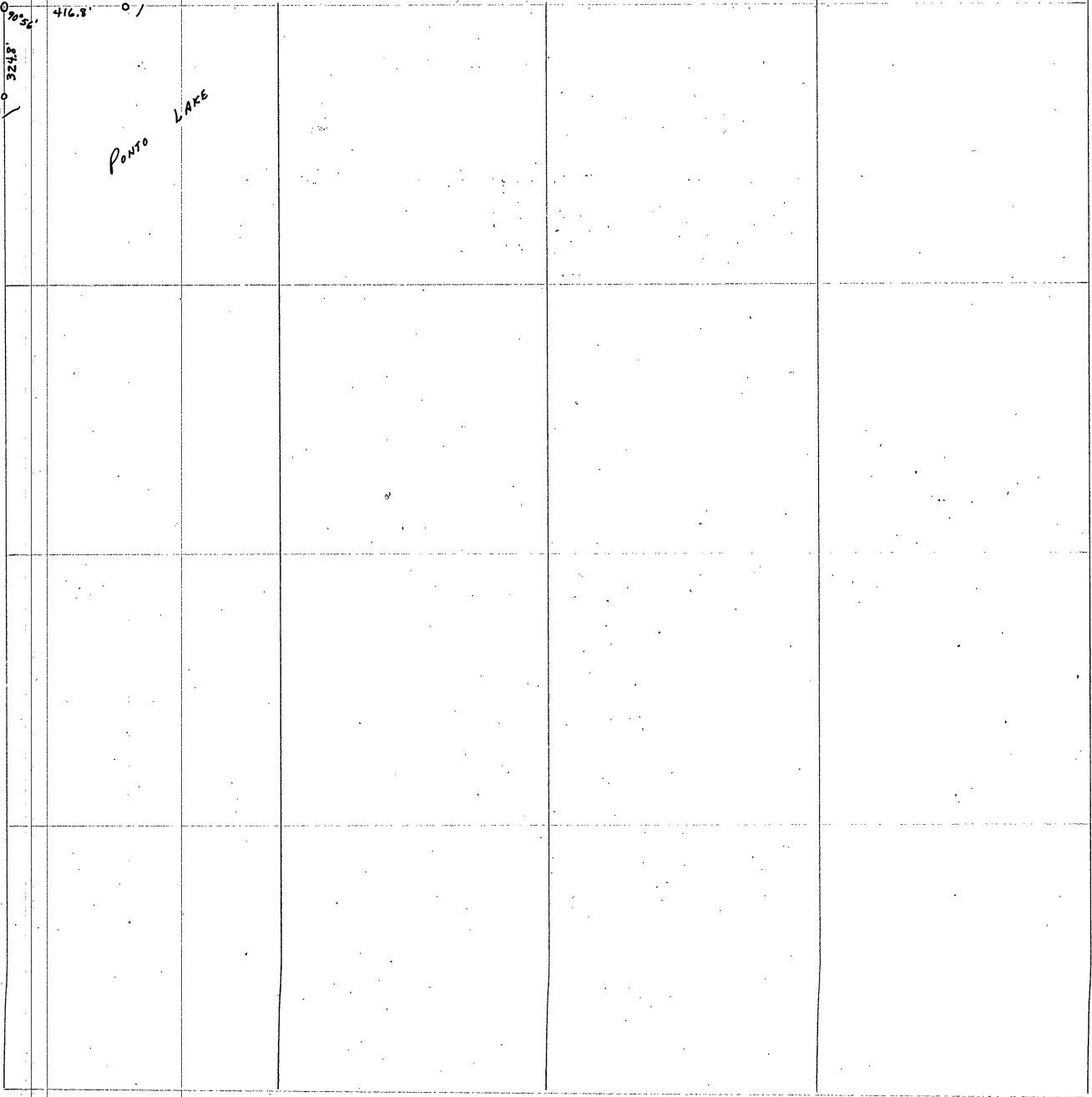
I. Pipe
MSG
0 7

416.8'

324.5'

MS70
I. Pipe

PONTO
LAKE



D

SEC. 10 - 139 - 29

N.W. Cor. - I. Pipe - New ties - 8" J. Pine S64°E 30.5', 12" J. Pine S20°W 78.7', 6" W. Pine S34°E 58.2'

MC*57 on ^Wth. line - I. Pipe - New ties - 5" J. Pine S 1 1/2° W 6.0', 24" Nor. Pine N6 1/2° W 25.2', 12" J. Pine N35°E 51.1'

MC*56 on ^Nth. line - I. Pipe - New ties - 15" Nor. Pine S57°W 7.3'

7/2/66
WRITEN
BY
R.F.S. - R.F.S.

Survey Aug. 1964 Recorded Jan. 21, 1966 R. F. Schneider Reg. No. 5740 CASS COUNTY SURVEYOR

R. F. SCHNEIDER
REG. PROF. ENGR & LAND SURVEYOR
MINN. REG. NO. 5740

██████████ COUNTY SURVEYOR

D

SEC. 8-140-25

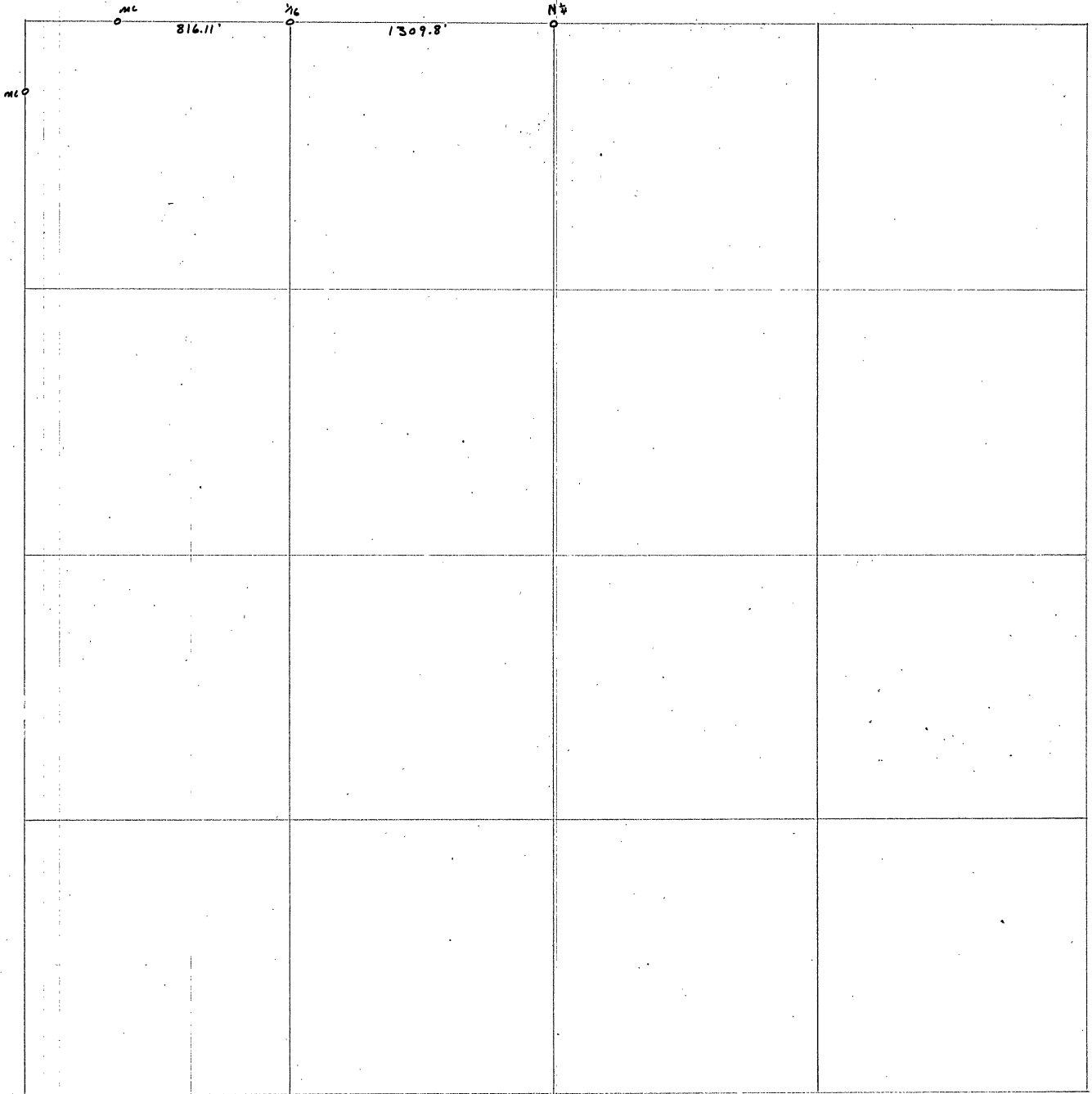
North 1/4 Cor. - I. Pipe - New ties - 5" Maple NE 31.0' , 6" Birch NW 12.35' , 6" Birch S10°W 17.9'

Survey Dec. 1964 Recorded Jan. 21, 1966 R.F. Schneider

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MINN. REG. NO. 5740
CASS COUNTY SURVEYOR

D

SEC. 8-140-25



D

SEC. 1-138-31

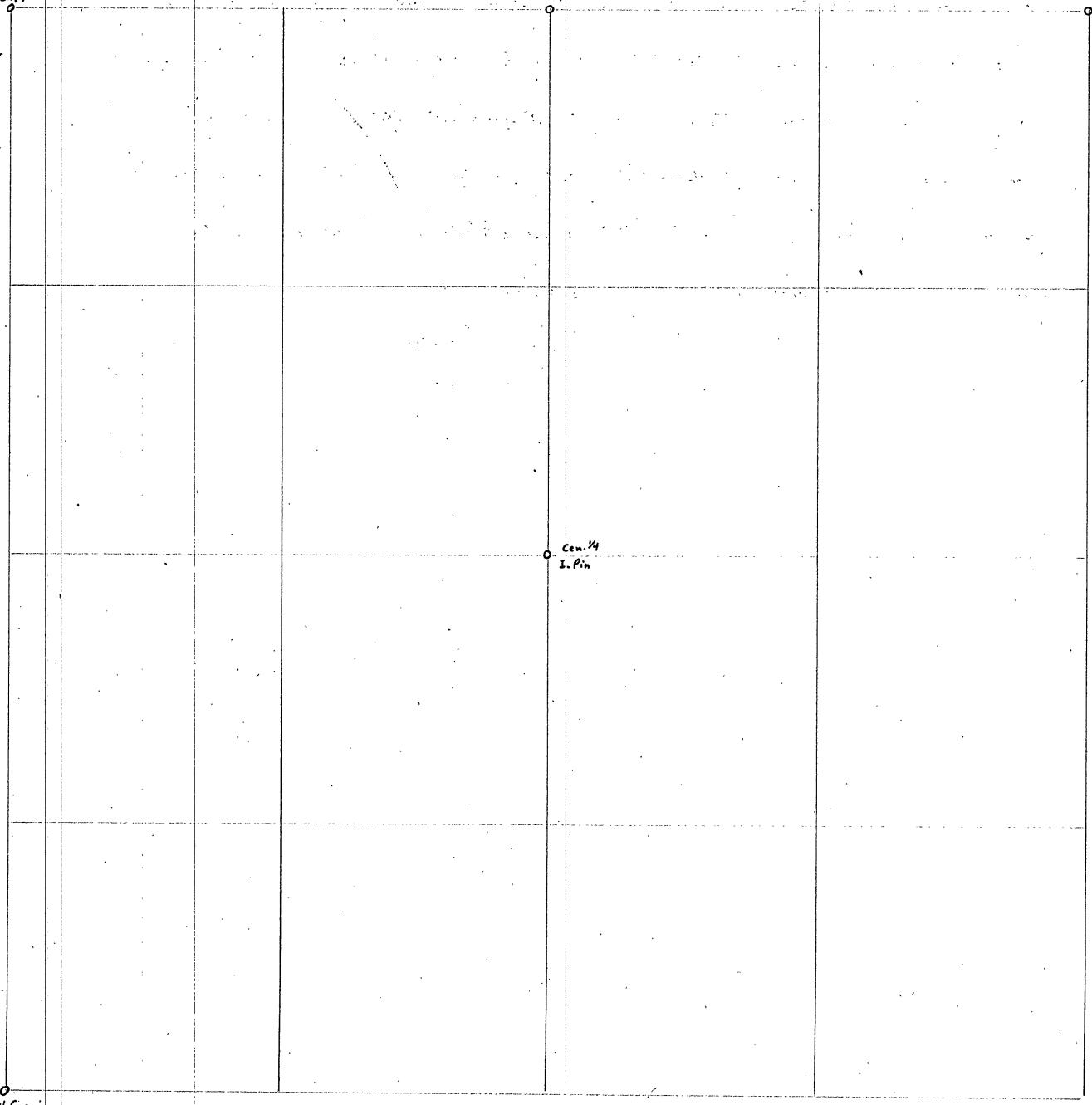
NW Cor.
Capped I. Mon.

N 1/2
Capped I. Mon.

NE Cor.
Capped I. Mon.

Cent. 1/4
I. Pin

SW Cor.
Capped I. Mon.



D

SEC. 1-138-31

NE Cor. - Capped I. Mon. - New ties - 14" R. Oak N29°W 55.0', 12" J. Pine N27°E 69.85', 16" Nor. Pine N64°E 74.95'

North ¼ Cor. - Capped I. Mon. - New ties - 8" R. Oak N39°E 20.8', 10" J. Pine N85°E 17.9', 12" J. Pine S24°E 23.35'

NW Cor. - Capped I. Mon. - New ties - 10" Spruce N36°E 34.9', 10" Spruce N31°W 58.95', 16" Ash S17°E 6.2'

SW Cor. - Capped I. Mon. - New ties - 10" W. Oak N35°E 103.0', 28" W. Pine N78°E 73.9', 10" J. Pine N43°W 47.65'

Center ¼ Cor. - 1" I. Pin - New ties - 10" J. Pine South 87.8', 10" J. Pine S45°W 78.3', 10" J. Pine N45°W 89.35'

Survey April 1965, Recorded Jan. 21, 1966 *R. F. Schneider*

R. F. SCHNEIDER
REG. PROF. ENG'R & LAND SURVEYOR
MINN. REG. NO. 5740
CASS COUNTY SURVEYOR

SEC. 12-140-28

West 1/4 Cor. - I. Pipe - New ties - 12" Maple S77°W 34.3', 10" Maple S22°E 27.5', 16" Maple S85°E 39.35'

SW Cor. - I. Pipe - New ties - Power Pole S3°E 25.0', 10" Balsam N76°E 38.7', 6" Balsam S71½°E 39.7'

East 1/4 Cor. - I. Pipe - New ties - 6" Tam. S81°W 11.3', 6" Tam. S72°E 18.7', 5" Tam. N14½°E 19.1'

Survey April 1965

Recorded Jan. 21, 1966

*R. F. Schneider*R. F. SCHNEIDER
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MINN. REG. NO. 5740

CASS COUNTY SURVEYOR

D

SEC. 12 - 140 - 28

West 1/4 Cor.
I. Pipe

East 1/4
I. Pipe

SW Cor.
I. Pipe

D

SEC. 13-140-30

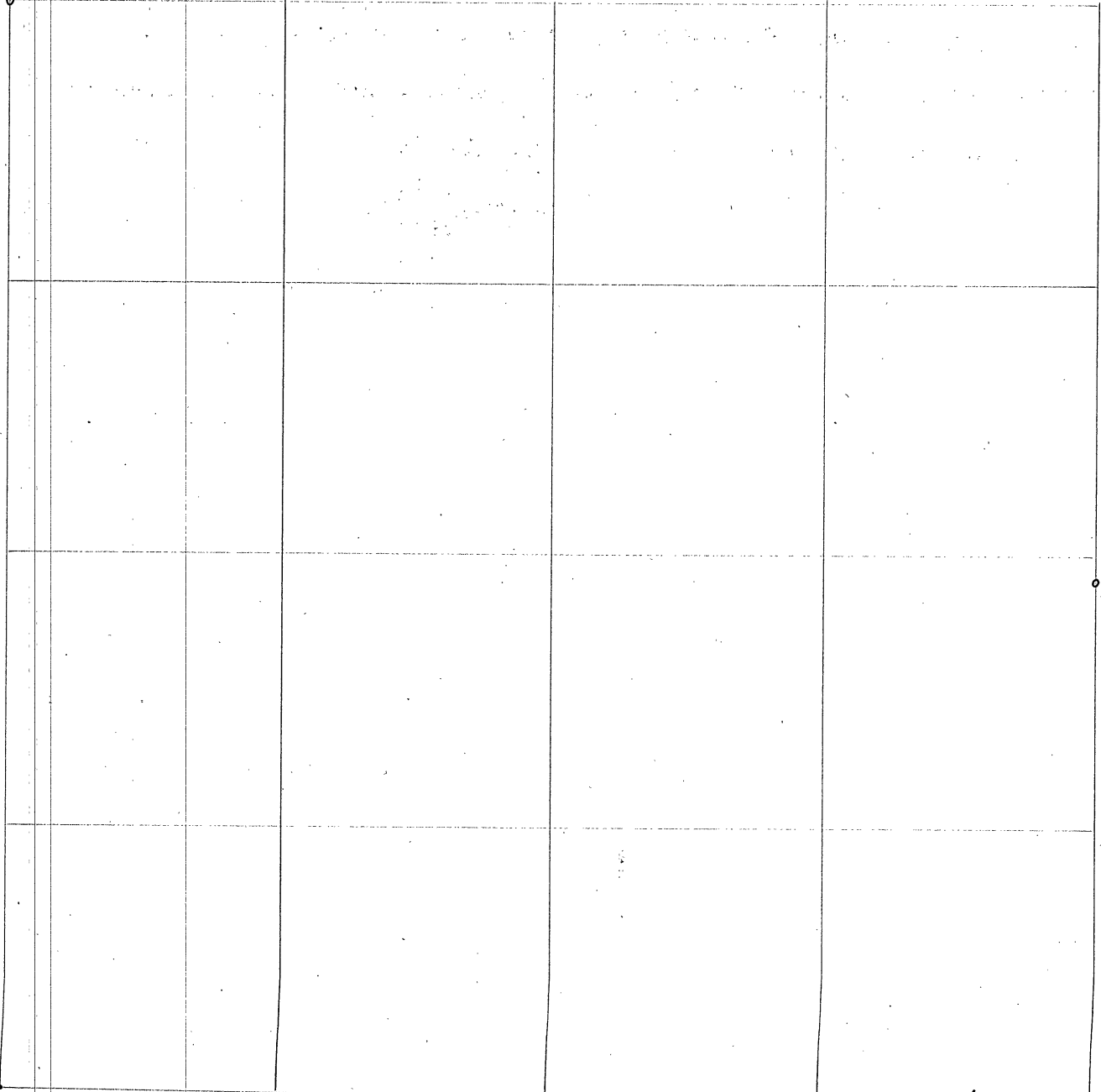
NW Cor.
Capped I. Man.

NE
Capped I. Man.

SW Cor.
Nail

South 1/4
I. Pipe

SE Cor.
I. Pipe



D

SEC. 13-140-30

South 1/4 Cor. - I. Pipe - New ties - 5" W. Oak N50°W 3.55', 6" W. Oak N13°E 30.8', 5" W. Oak N44 1/2°E 17.55'

SE Cor. - I. Pipe - New ties - 20" W. Pine S9°E 185.9', 18" W. Pine S60 1/2°W 60.4', 5" Maple N74 1/2°W 56.1'

SW Cor. - Nail in E. Hwy. - New ties - 8" W. Oak S2°E 90.6', 14" J. Pine S57 1/2°W 145.0', Pow. Pole N35°W 105.85'

Survey March 1965 Recorded Jan. 21, 1966 R. F. Schneider

R. F. SCHNEIDER
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MINN. REG. NO. 5740

CASS COUNTY SURVEYOR

Sec. 24-140-30

SE Cor. - I. Pipe - New ties - 10" Tw. Elm N65°E 125.7', 10" Ash West 72.6', 6" W. Oak N50°W 95.7'

East 1/4 Cor. - I. Pipe - New ties - 10" W. Oak S65°E 55.35', 6" Ash N30°E 80.3', 5" W. Oak N75°W 66.4'

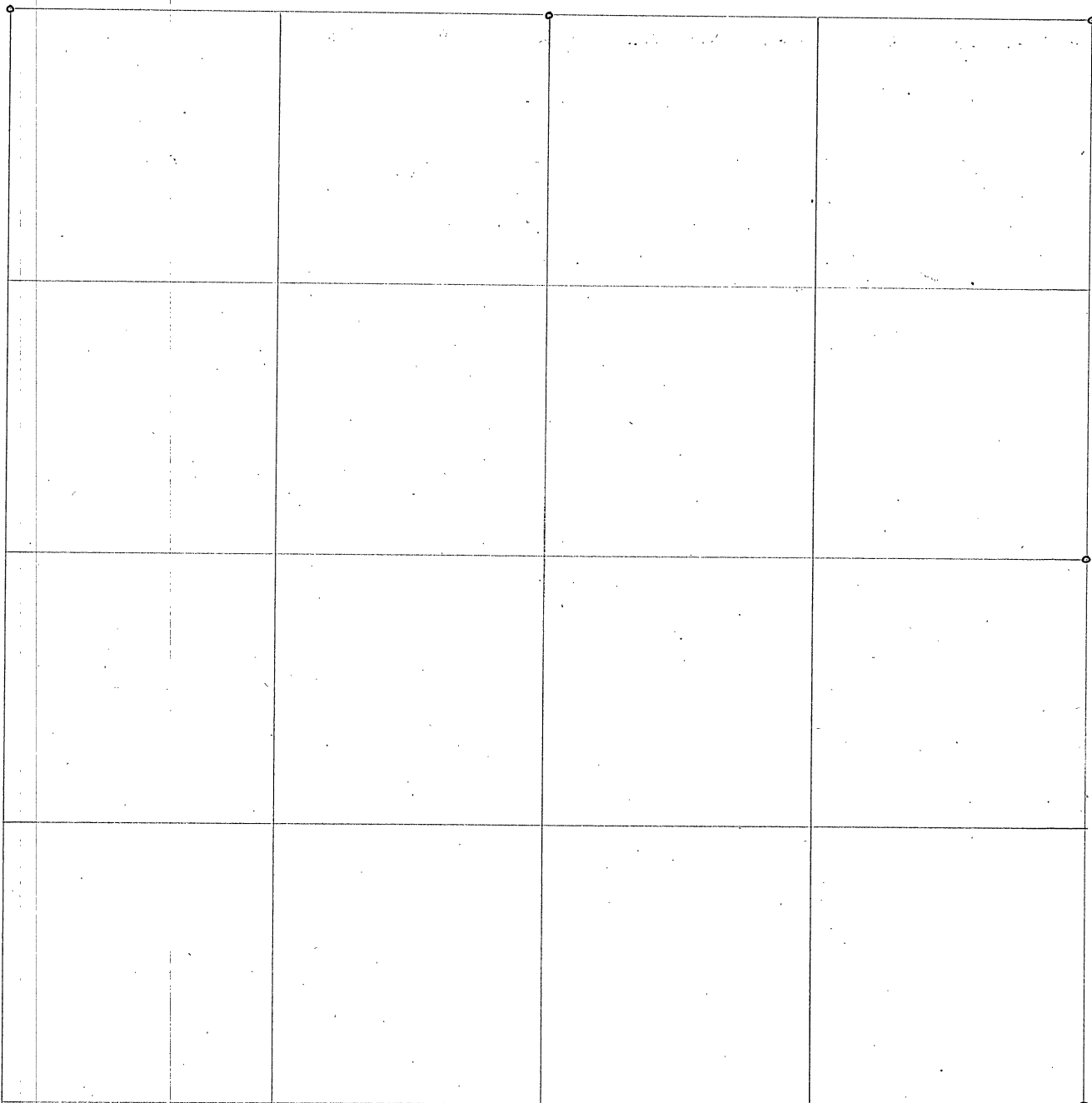
Survey March 1965 Recorded Jan. 21, 1966 R. F. Schneider

R. F. SCHNEIDER
REG. PROF. ENG'R & LAND SURVEYOR
MINN. REG. NO. 5740

CASS COUNTY SURVEYOR

D

SEC. 24-140-30



E. Elev.
I. Pipe

SE Elev.
I. Pipe

D

SEC. 32-140-26

SE Cor.
I. Pipe

D

SEC. 32-140-26

SE Cor. - I. Pipe - New ties - 24" W. Pine N45°E 32.3', 20" Nor. Pine N2°E 61.5', 14" Nor. Pine N85°W 59.0'

Survey March 1965 Recorded Jan. 21, 1966 R. F. Schneider

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MINN. REG. NO. 5740

CASS COUNTY SURVEYOR

SEC. 5-140-30

East 1/4 Cor. - I. Pipe - New ties - 24" Nor. Pine N62°E 13.8', 20" Oak N57°W 24.1', 12" R. Oak S50°W 15.55'

West 1/4 Cor. - I. Pipe - New ties - 26" W. Pine East 80.5', 26" W. Oak South 8.1'

S.W. Cor. - I. Pipe - New ties - 18" Nor. Pine N88°E 117.8', 6" W. Oak N78°W 26.55', 12" W. Oak N30°E 27.0'

North 1/4 Cor. - I. Pipe - New ties - 12" W. Oak S45°E 84.0', 5" W. Oak S80°W 17.05', 4" W. Oak North 1.1'

South 1/4 Cor. - I. Pipe - New ties - 10" Nor. Pine S42°E 16.65', 8" W. Pine N2°E 2.90', 15" Nor. Pine S85°W 15.6'

Survey April 1965, Recorded Jan. 21, 1966

R. F. Schneider

R. F. SCHNEIDER
 REG. PROF. ENGR & LAND SURVEYOR
 MINN. REG. NO. 5740
 CASS COUNTY SURVEYOR

D

SEC. 5-140-30

N 1/2
I. Pipe

E 1/2
I. Pipe

W 1/2
I. Pipe

E 1/2
I. Pipe

SW Cor
I. Pipe

O
I. Pipe



D

SEC. 20-140-30

W/4
I. Pipe

E/4
I. Pipe

D

SEC. 20-140-30

West 1/4 Cr. - I. Pipe - New ties - 12" Norway Pine S 20° W 77.5', 8" Elm S 52° W 73.9', Pow. Pole S 89° E 59.1'

East 1/4 Cr. - I. Pipe - New ties - 10" Nor. Pine N 53° W 111.3', Pow. Pole N 87° E 35.1', R. Oak N 46° E 79.1'

Survey May 1965 Recorded Jan. 21, 1966 R. F. Schneider

R. F. SCHNEIDER
REG. PROF. ENGR & LAND SURVEYOR
MINN. REG. NO. 5740

CASS COUNTY SURVEYOR

D

SEC. 29-140-30

West 1/4 Cor. - I. Pipe - New ties - 6" R. Oak N5°W 23.65', 6" R. Oak N31°E 14.6', 6" R. Oak N88°W 28.65'

South 1/4 Cor. - I. Pipe - New ties - 15" J. Pine N9°E 39.9', 6" R. Oak N42°W 49.1', 15" J. Pine S19°E 33.0'

Center 1/4 Cor. - Iron Rod - New ties - 8" W. Oak N30°W 56.6', 6" W. Oak East 6.1'

SE Cor. - I. Pin - New ties - Pow. Pole West 53.8', 10" W. Oak S14°E 59.6', 6" W. Oak N18°E 26.55'

~~East 1/4 Cor. - I. Pipe - New ties - 12" W. Oak S62°W 24.1', 20" Nor. Pine N81°E 24.6', 10" R. Oak N30°E 36.55'~~ Void - See below

Survey May 1965

Recorded Jan. 21, 1966

R. F. Schneider

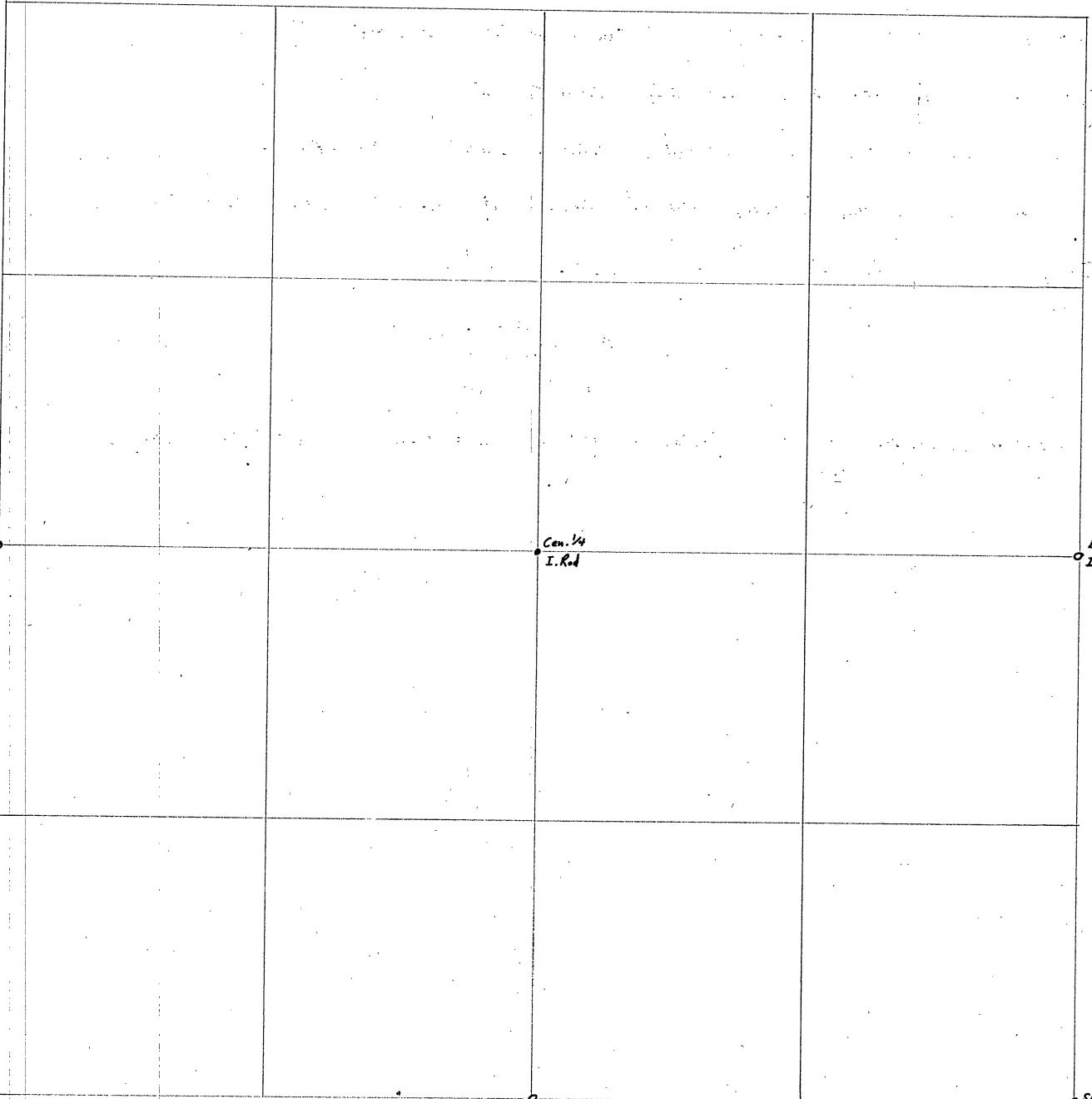
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 MINN. REG. NO. 5740

CASS COUNTY SURVEYOR

East 1/4 Cor. Sec. 29-140-30 - 7 1/4" I. Pipe - 12" R. Oak N54°E 42.0, 16" J. Pine N86°E 36.28, 12" R. Oak S12°W 21.05, 7" R. Oak S54°W 3.03

D

SEC. 29-140-30



W 1/4
I. Pipe

Cor. 1/4
I. Red

E 1/4
I. Pipe

SW Cor.
Capped I. Man.

S 1/4
I. Pipe

SE Cor.
I. Pipe

D

SEC. 10-140-26

NW Cor.
I. Pipe

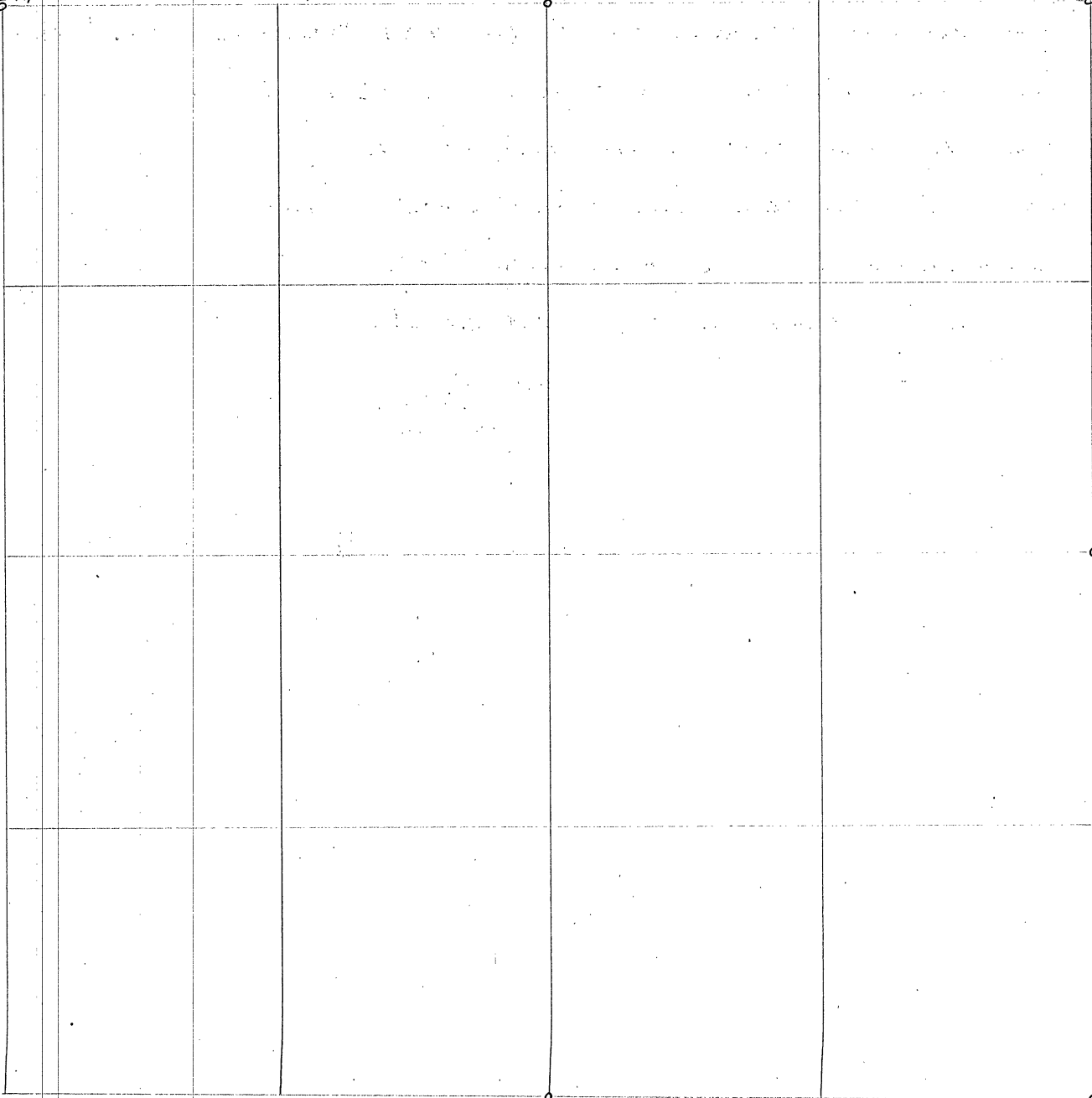
N¹/₄
I. Pipe

NE Cor.
I. Pipe

E¹/₄
I. Pipe

S¹/₄
I. Pipe

SE Cor.
I. Pipe



D

SEC. 10-140-26

North 1/4 Cor. - I. Pipe - New ties - 18" Nor. Pine N 1° E 109.7', 6" Spruce S 77° W 29.35'

NW Cor. - I. Pipe - New ties - 24" R. Oak S 7° E 95.8', 24" Nor. Pine S 57° W 73.9', 24" R. Oak N 30° E 53.3', 24" Nor. Pine N 2° W 122.9'

South 1/4 Cor. - I. Pipe - New ties - 10" R. Oak East 25.7', 8" R. Oak N 3° W 9.1', Low. Pole S 82° E 46.3'

NE Cor. - I. Pipe - New ties - 24" Elm N 85° W 10.9', 6" Ash East 4.5', 24" Elm N 68° E 92.3'

SE Cor. - I. Pipe - New ties - 15" W. Oak S 10° E 152.05', 20" Nor. Pine N 15° W 91.9', 2" Iron Pipe N 45° E 46.67'

East 1/4 Cor. - I. Pipe - New ties - 20" W. Oak S 38° W 64.5', Low. Pole N 61° W 41.5'

Survey June 1965 Recorded Jan. 21, 1966 R. F. Schneider

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MINN. REG. NO. 5740
CASS COUNTY SURVEYOR

D

Sec. 35-138-30

SE Cor. - I. Pin. - New ties - Cor. Fe. Post North 33.5', Tel. Pole N31°E 42.8', Pow. Pole S50°W 47.5', Cor. Fe. Post S43°W 46.0'

NW Cor. - 2" I. Pipe - New ties - 12" Nor. Pine N9°E 63.4', 10" Nor. Pine N21°W 250.6', 12" J. Pine N45°W 208.0', Pow. Pole N32°W 36.9'

North ¼ Cor. - 2" I. Pipe - New ties - Witness pipe South 39.5', 8" J. Pine S11°W 133.0'

West ¼ Cor. - I. Pin. - New ties - 10" Norway Pine N65°E 88.25', 12" Nor. Pine S55°E 39.4'

SW Cor. - I. Pin. - New ties - Cor. Fe. Post South 32.4', Tel. Pole N12°W 36.3'

South ¼ Cor. - I. Pin. - New ties - 12" J. Pine N14°E 123.6', Tel. Pole N47°E 36.05', 6" Nor. Pine S52°W 53.7'

NE Cor. - 1" I. Pipe - New ties - Tel. Pole N71°W 43.0', Pow. Pole S71°W 52.9', 5" Norway Pine S17°W 53.7'

East ¼ Cor. - I. Pipe - New ties - 6" W. Oak N41°W 33.7', 8" J. Pine N36°E 58.25', 8" J. Pine N69°E 48.7'

Survey Sept. 1965 Recorded Jan. 21, 1966

R. F. Schneider

R. F. SCHNEIDER
REG. PROF. ENGR & LAND SURVEYOR
MINN. REG. NO. 5740

CASS COUNTY SURVEYOR

D

SEC. 35-138-30

NW Cor.
2" I. Pipe

N¹/₄ Cor.
2" I. Pipe

NE Cor.
1" I. Pipe

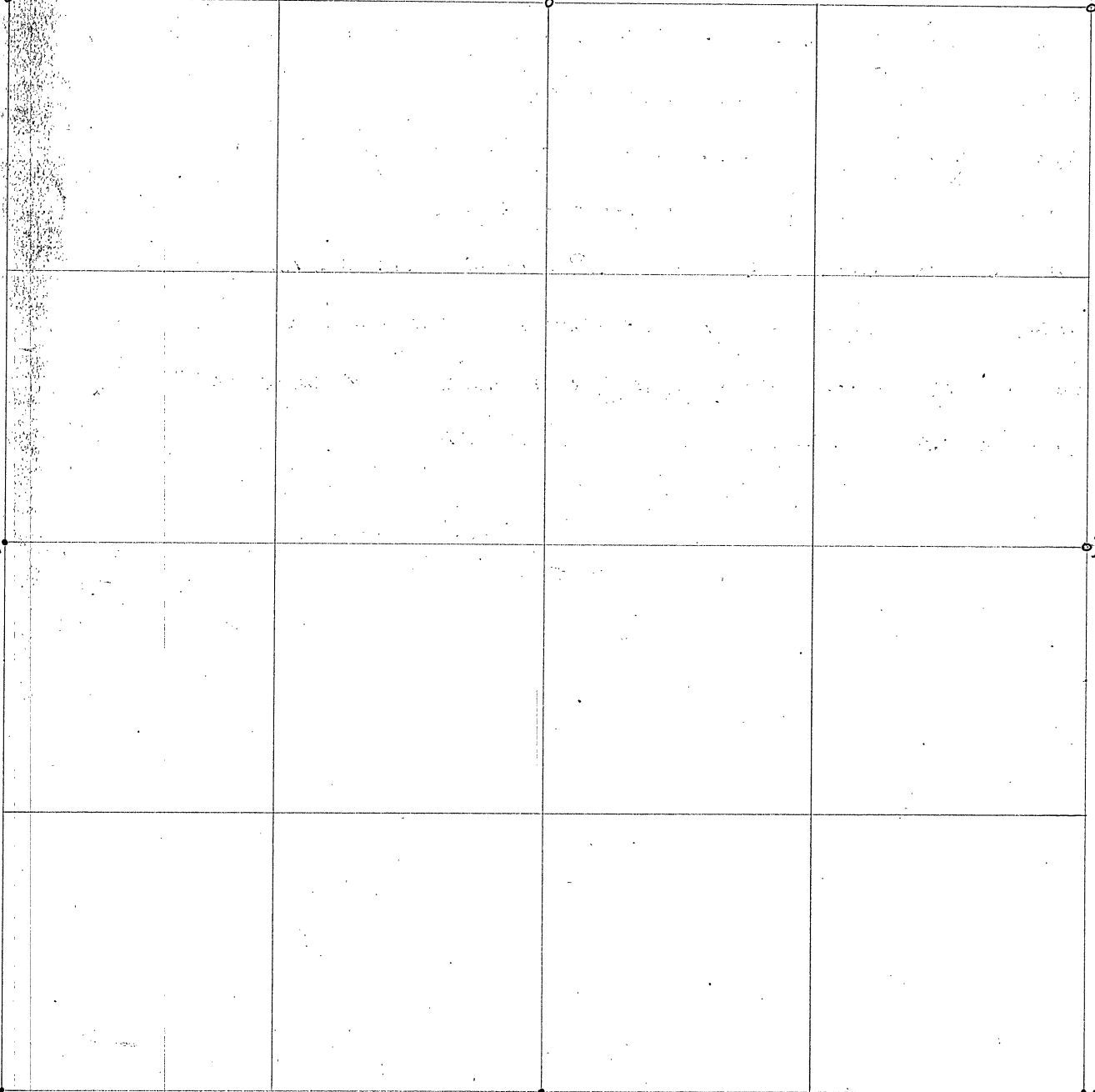
W¹/₄
I. Pin

E¹/₄ Cor.
I. Pipe

SW Cor.
I. Pin

S¹/₄ Cor.
I. Pin

SE Cor.
I. Pin



D

SEC. 21-140-28

NW Cor.
2" Capped I. Pipe

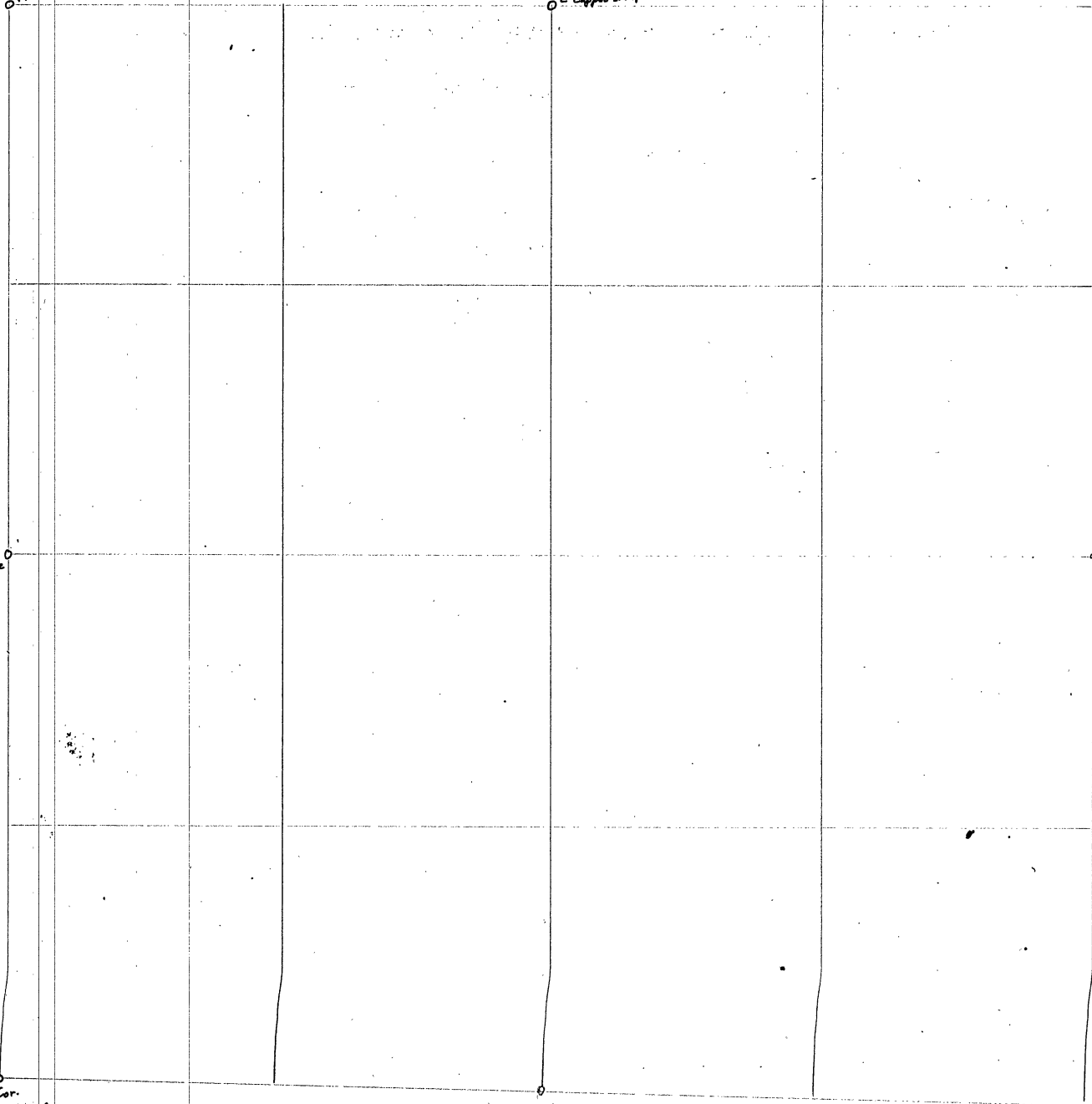
NA
2" Capped I. Pipe

W/4
I. Pipe

1M

SW Cor.
2" Capped I. Pipe

1M



D

SEC. 21-140-28

SW Cor. - 2" Capped I. Pipe - New ties - 8" Tw. Maple S 25° E 4.35', 6" W. Oak N 82° E 40.25', 18" Nor. Pine N 29° W 44.5'

West 1/4 Cor. - I. Pipe - New ties - 9" R. Oak N 61° E 35.9', 8" R. Oak S 75° E 8.55', 6" Tw. Basswood S 31° E 42.6'

NW Cor. - 2" Capped I. Pipe - New ties - 8" Nor. Pine S 70° W 37.8 (Slope chain), 4" W. Pine N 14° W 18.0'

North 1/4 Cor. - 2" Capped I. Pipe - New ties - 5" Balsam S 14 1/2° E 63.7'

Survey Oct. 1965 Recorded Jan. 21, 1966 R. F. Schneider

R. F. SCHNEIDER
 REG. PROF. ENG'R. & LAND SURVEYOR
 MINN. REG. NO. 5740
 CASS COUNTY SURVEYOR

D

SEC. 26-139-26

SE Cor. - 2" I. Pipe - New ties - 10" Nor. Pine S13°W 71.65', 10" Nor. Pine S45°E 75.3', 8" J. Pine N33½°E 94.5', 10" Nor. Pine N32°W 75.15'

Survey July 1965

Recorded Jan. 21, 1966

R. F. Schneider

R. F. SCHNEIDER
REG. PROF. ENGR & LAND SURVEYOR
MINN. REG. NO. 5740

CASS COUNTY SURVEYOR

D

SEC. 26-139-26

0 SE Cor.
2" I. Pipe

D

SEC. 22-140-28

E/W Cor.
2" I. Pipe

D

SEC. 22-140-28

East 1/4 Cor. - 2" I. Pipe - New ties - 18" Nor. Pine S38°20'W 26.9', S Spruce N62°E 63.5', 18" Nor. Pine N85°50'E 119.3'

Survey Aug. 1965

Recorded Jan. 21, 1966

R. F. Schneider

R. F. SCHNEIDER
REG. PROF. ENGR & LAND SURVEYOR
MINN. REG. NO. 5740

CARB COUNTY SURVEYOR

D

SEC. 21-142-31

East 1/4 Cor. - I. Pin - New Ties - 15" W. Oak S65°10'E 111.7', NW Cor. Garage S20°50' W 125.2'

Survey July 1965

Recorded Jan. 21, 1966

R. F. Schneider

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MINN. REG. NO. 5740

CASS COUNTY SURVEYOR

D

SEC. 21-142-31

WMC
I. Mon.

142190

824161

E 1/4
S. P.

824161

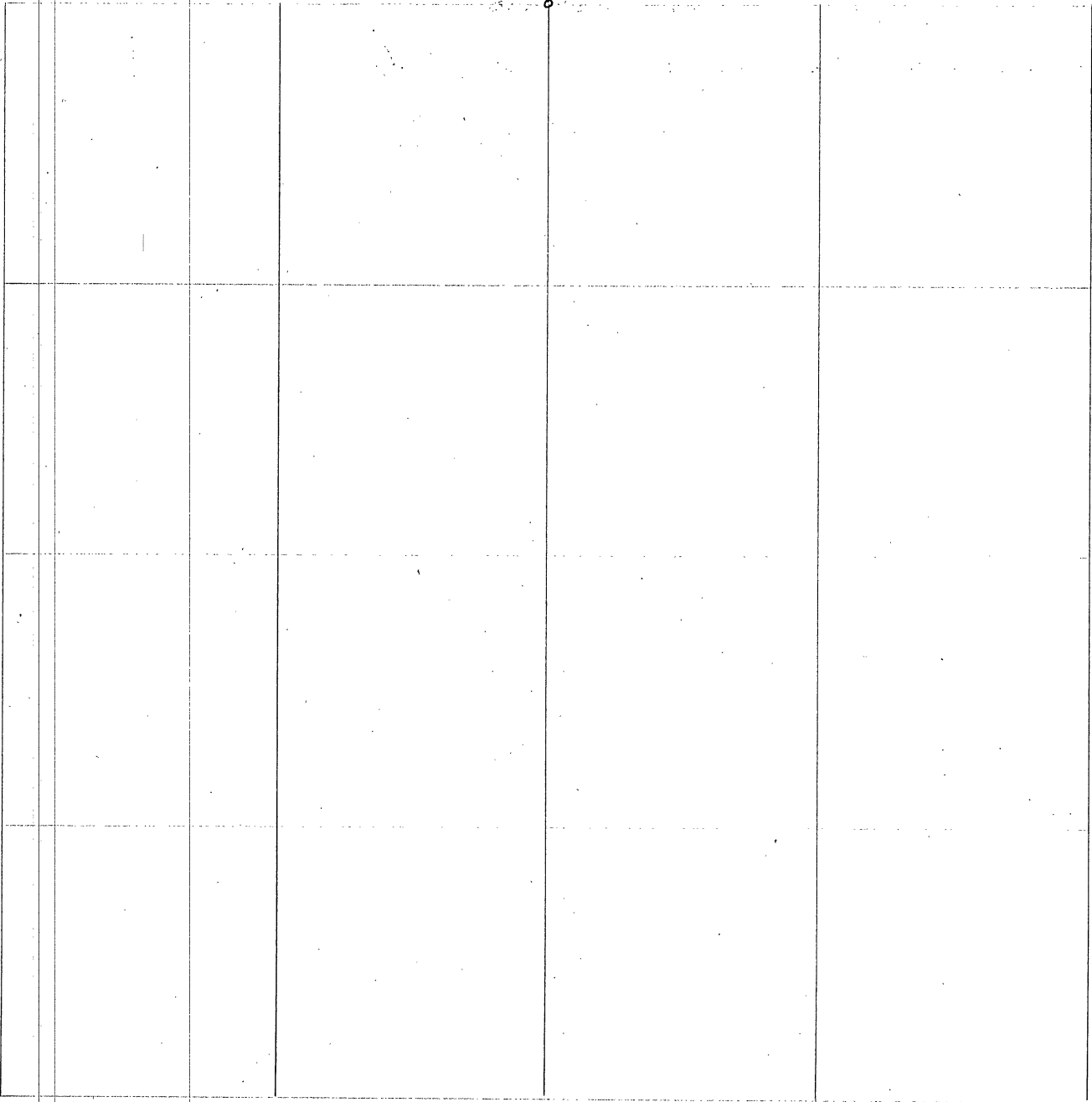
824161

SE Cor
GLO Mon.

D

SEC. 27-140-30

North 1/4 Cor.
I. Pipe
0



D

SEC. 27-140-30

North 1/4 Cor. - I. Pipe - New ties - 10" J. Pine S60°W 52.4', 8" Maple N76°E 64.0', 10" J. Pine S46°E 87.9'
12" Nor. Pine N35°E 127.85'

Survey June 1965 Recorded Jan. 21, 1966

R. F. Schneider

R. F. SCHNEIDER
REG. PROF. ENGR & LAND SURVEYOR
MINN. REG. NO. 5740
CASS COUNTY SURVEYOR

SEC. 6-140-30

South 1/4 Cor. - Capped I. Mon. - New ties - 8" Tw. W. Oak S66°W 9.85', 24" Nor. Pine N61°W 38.3' (Slope chain)
6" W. Oak N22°E 13.55'

Survey Sept. 1965 Recorded Jan. 21, 1966 *R. F. Schneider*

R. F. SCHNEIDER
REG. PROF. ENG'R & LAND SURVEYOR
MINN. REG. NO. 5740

CASS COUNTY SURVEYOR

D

SEC. 6-140-30

South 24 Cor.
Capped I. Mon.

D

SEC. 36-141-31

South 1/4 Cor.
Capped I. Mon.

D

SEC. 36-141-31

South 2^d Cor. - Capped I. Mon. - New ties - 10" Elm N41°E 34.17', 6" Tw. R. Oak S27°E 25.85', 8" Tw. R. Oak N73½°W 26.7'

Survey Sept. 1965 Recorded Jan. 21, 1966 R. F. Schneider

R. F. SCHNEIDER
REG. PROF. ENGR & LAND SURVEYOR
MINN. REG. NO. 5749

CASS COUNTY SURVEYOR

SEC. 16-133-30

East 24 Cor. - 2" I. Pipe - New ties - 6" J. Pine N47°E 26.85', 7" J. Pine N56°W 22.80', Low Pole N10°E 1.75'

NE Cor. - 3" I. Pipe - New ties - 12" W. Oak N62°W 267.85', 10" Tr. Elm S85°W 33.4', 6" J. Pine S13°E 80.5'

Survey Oct. 1965

Recorded Jan. 21, 1966

R. F. Schneider

R. F. SCHNEIDER
REG. PROF. ENGR & LAND SURVEYOR
MINN. REG. NO. 5740
CASS COUNTY SURVEYOR

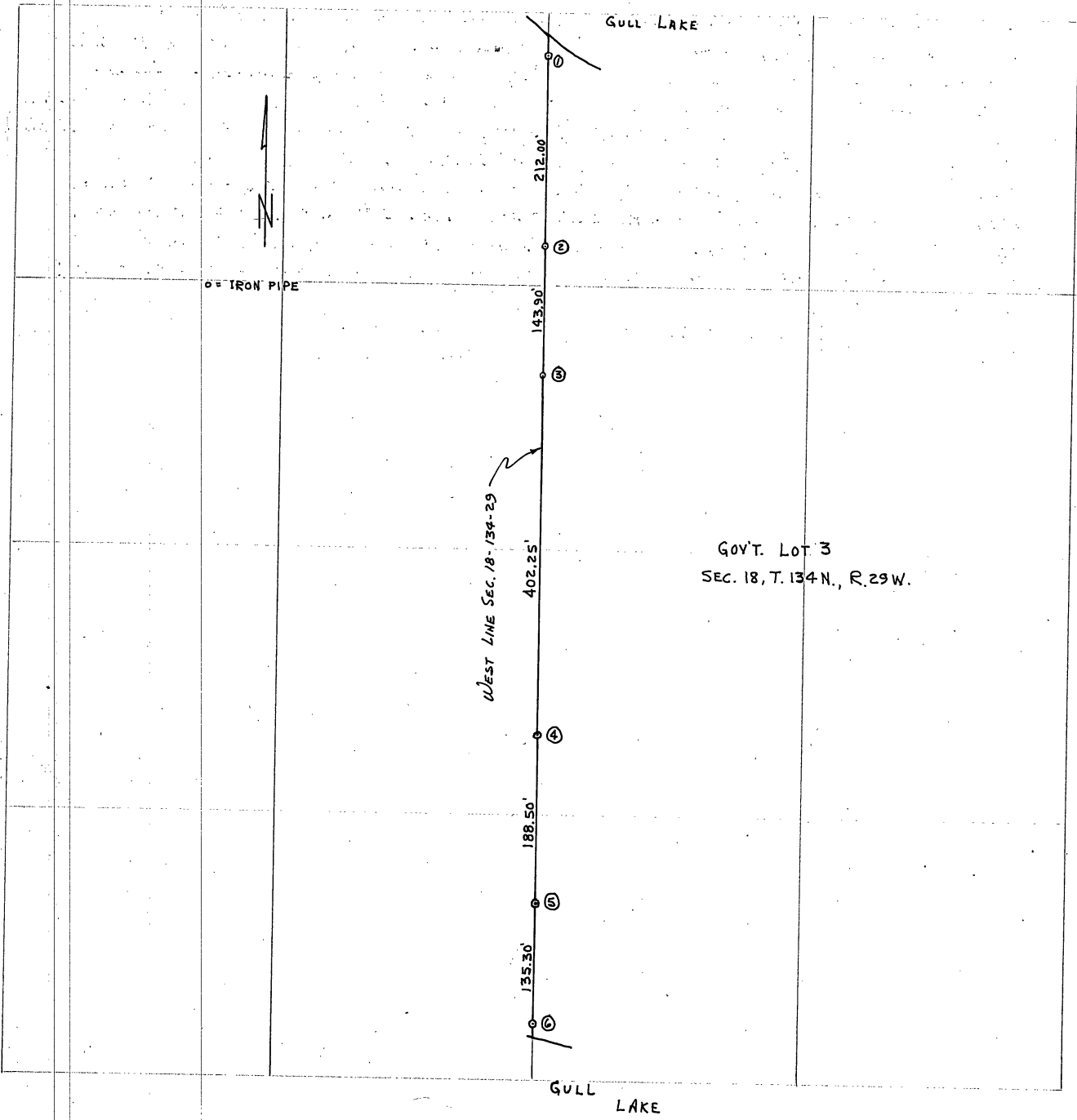
D

SEC. 16-133-30

NE Cor.
3" I. Pipe

2107.16'

E Cor.
2" I. Pipe



GOV'T. LOT 3
SEC. 18, T. 134 N., R. 29 W.

D

Survey of the west line of Gov't. Lot 3, Section 18, Township 134 North, Range 29 West

This line run in Jan. 1964 by R. F. Schneider as straight line between MC 56 and the west $\frac{1}{4}$ Corner of Sec. 30-134-29, nearest known corners on Township boundary. This line fell in the approximate area of location pointed out by Jim Rardin, long time resident of this area, as where line had been run and used in the past. Iron pipes were set as indicated on the sketch on page 474. This line retraced on May 15, 1968. Pipe ① was out, we re-set from ties. Pipe ② found in place. Pipe ③ had been pulled, re-set by line and dist. from ② - found old pipe hole. Pipe ④ had been pulled, we re-set by line and distance from ③ - found old pipe hole. Pipe ⑤ had been pulled, we re-set by line & distance from ④ - found old pipe hole. Pipe ⑥ found in place. Line checks through as straight line. Trees are as follows: Pipe ① - 8" R. Oak S 21 $\frac{1}{2}$ ° E 29.60', 10" J. Pine S 47 $\frac{1}{2}$ ° E 29.50'. Pipe ② - 14" Nor. Pine S 39° E 87.80', 14" R. Oak S 9° E 6.70', 12" R. Oak S 47° W 4.70'. Pipe ③ - 16" R. Oak S 55° E 45.10', 10" Maple S 42° E 45.79'. Pipe ④ - 20" R. Oak South (on line) 26.02', 10" R. Oak N 57° E 28.77'. Pipe ⑤ - 10" R. Oak S 42° E 8.55', 8" R. Oak N 47° E 28.00'. Pipe ⑥ - 10" R. Oak S 75° W 24.90', 14" R. Oak S 60° E 13.35', 12" R. Oak N 60° E 11.00'

Recorded May 16, 1968

R. F. Schneider
County Surveyor