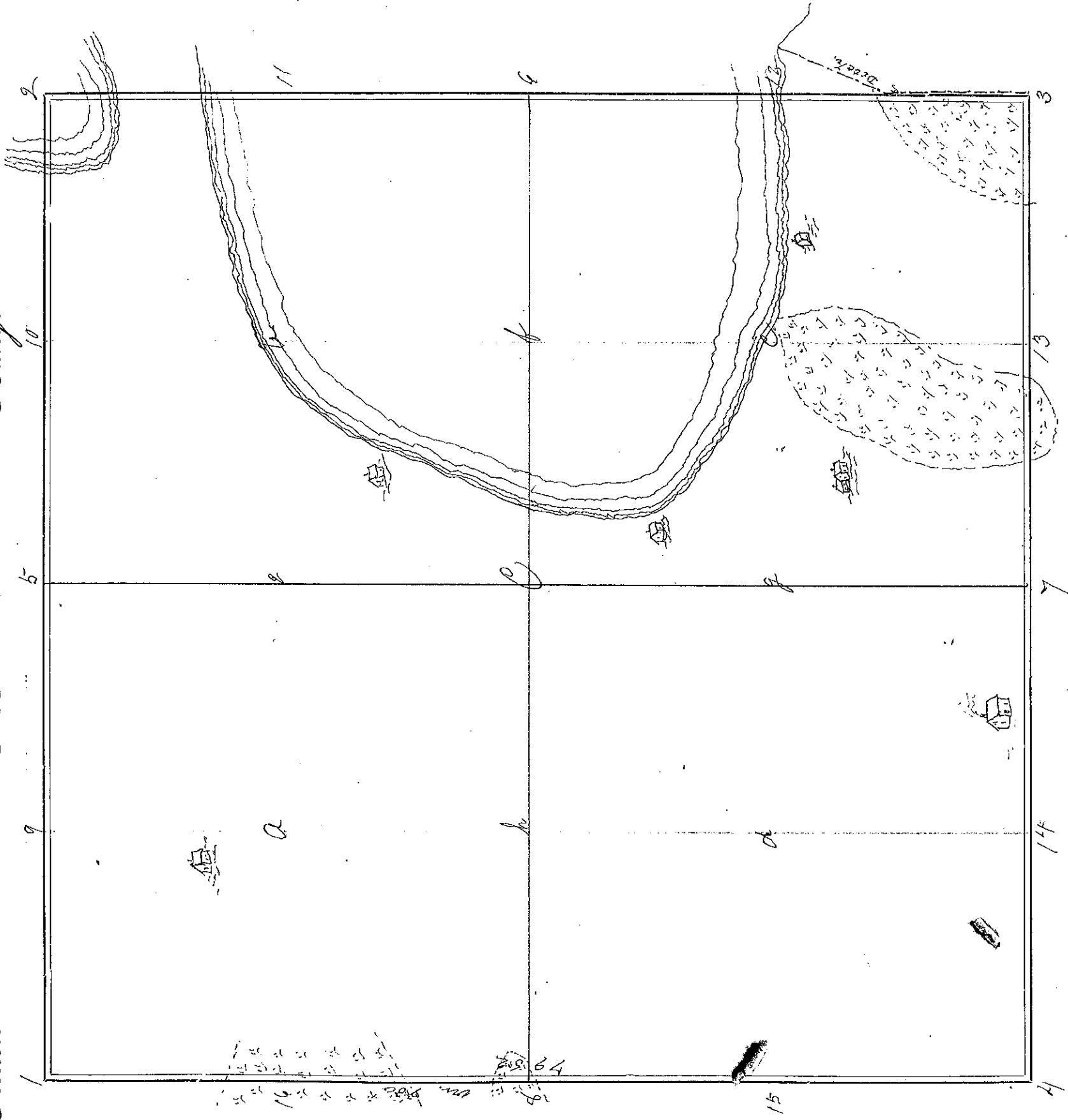




FIELD NOTES.

Fig. 1. 2 1/4 P.M. upon Range Line between Sec. 7. Stone monument. Set from Original Bearings
 286 S.W. 45 Range. 28+29 from Original. Sw. Bears
 on north, on. 820' @ 39.76

Set. Post. 4 in Bears.
 Established for Bears. P.M. 6-846W 126 1/2 links.
 these north on. 820' @ 19.88

Set. 1/4 Post. Bear. P.M. 7-264 1/4 E 147
 these north on. 820' @ 39.76

Set. 1/4 Post. original Bears gone.
 Established Jan. 10-84 1/2 E 99 1/2 links
 these north on. 820' @ 39.76

Set. Post. according to Sw. Bears find.
 but down.

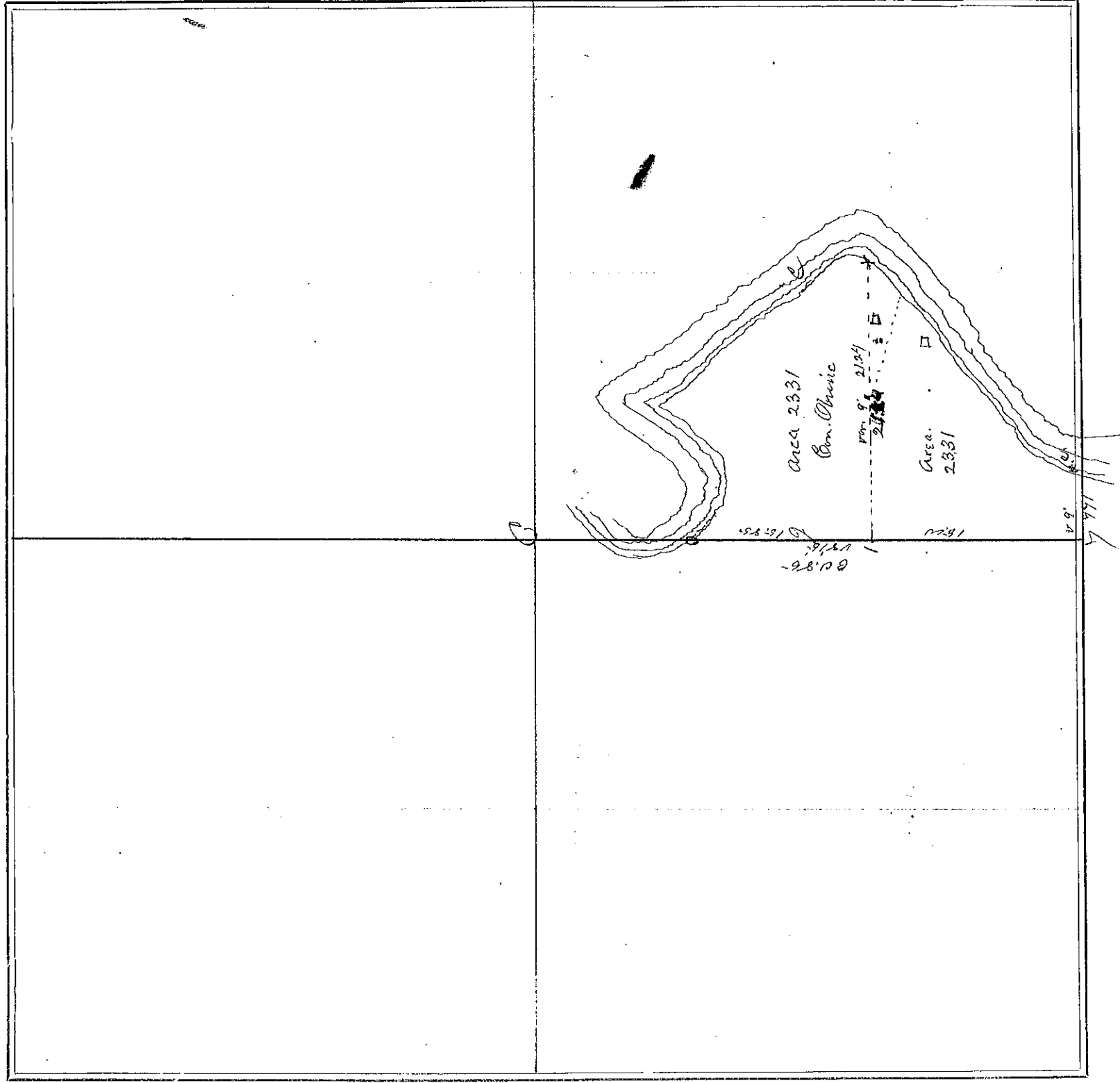
I hereby certify that I have made a survey.
 of the line between Sec. 25+30 Twp 46 N. 28-29
 according to the original description & filed notes
 in G. Plat. & that the same is correct.
 in the best of my knowledge & belief.

Levin E. Garrison
 Dep. Co. Sur.

May 2/1908.

SURVEY No. 108

Section 7 Town 45- Range 28



FIELD NOTES.

Beginning at 4 Post, between sec. 7-18 Gov. Bearings
 down Established for New Bearings Bk. Oak 10-21 782.132
 Sth. Post according to Gov. Records 7 in diagram
 can East. 90 771

Mr. E. Gov. Bearings destroyed.

Established for New Bearings A. Birch 11-361W 21

Beginning at 7 can North 915' 2 15W

Set division Post. 1 Established Bearings for same

A. Hickory. 2 430 E 2

G. Oak. 3 487 E 15

these North. 915' 2 3075 Set. Mr. E. O
 Established Bearings.

A. Camagibed 21-4614 W 16

" 4-5414 2 11

Beginning at 1 can East. can 9 22124
 Sth. Post. 1 Established for Bearings.

Birch 8-345W 4

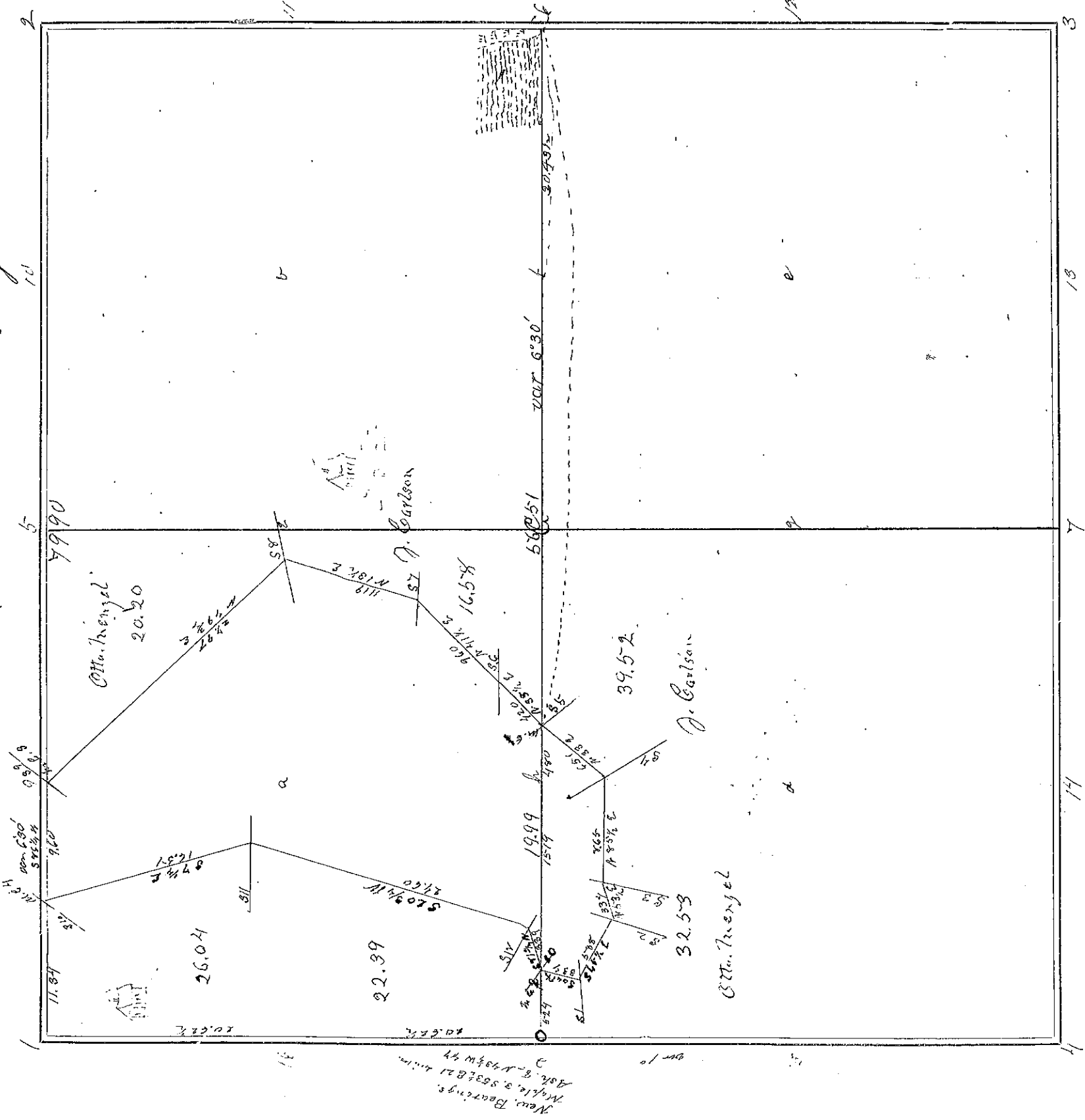
G. Oak. 3-414 W 23

La-hannan.
 J. W. Allen.
 J. L. Carlson

I hereby certify that I have made a
 Survey of Lot. 6. Sec. 7. T. 45. R. 28
 according to the annexed diagram
 and Field notes for E. Allen & C. Singmaster
 and that the same is correct to the
 best of my knowledge & belief.

Lewis. E. Garrison
 S. L. L. L.

Aug 15/1903

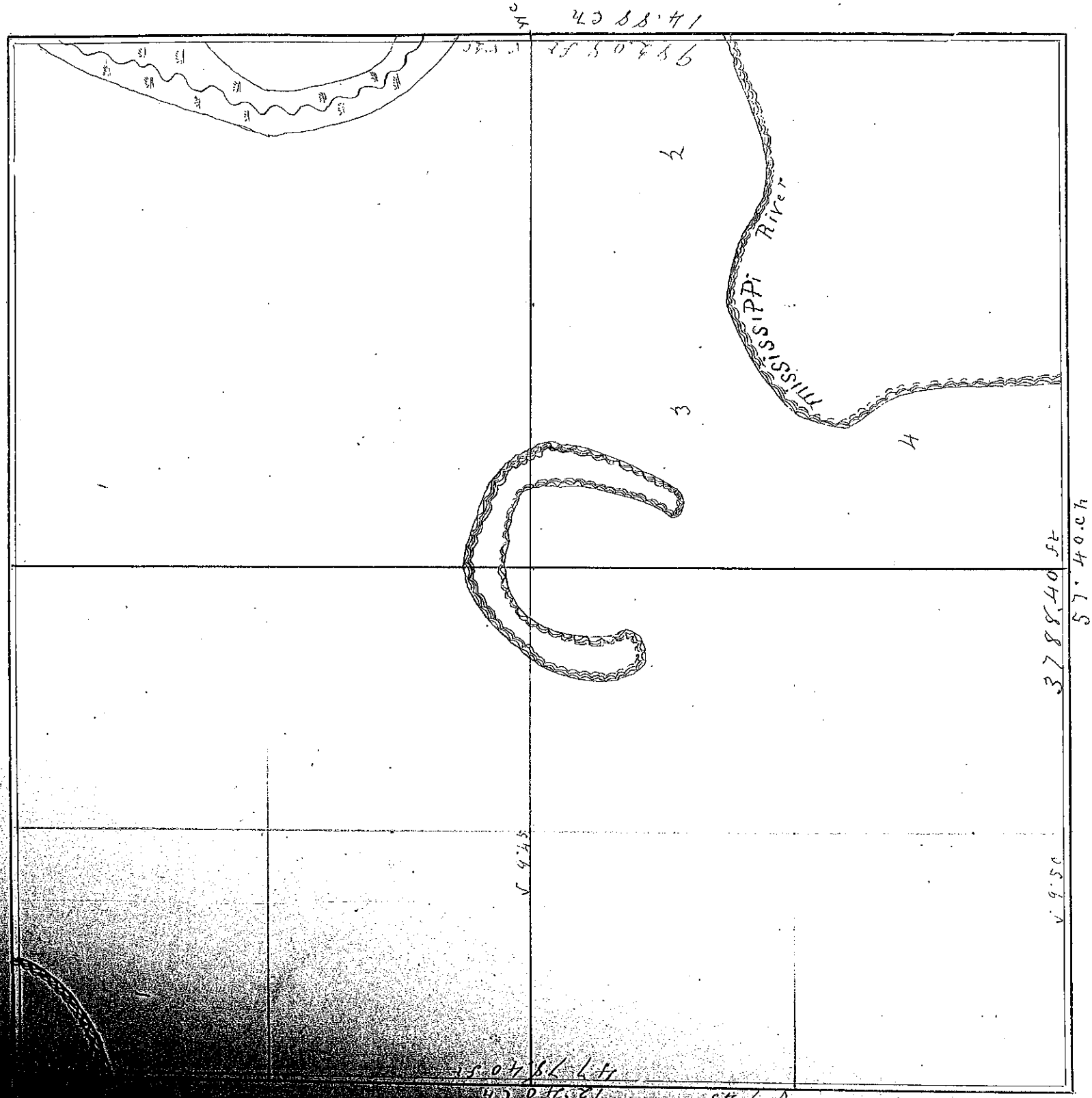


FIELD NOTES.

1. O. Bearings Standing
 These South by back, and fore sight. a
 20.62 1/2 Sct. 16 Post No 16
 20.62 1/2 South of Post No 16. Intersect 1/4 Post between
 Sec. 27 & 28 original Bearings Standing. Sct. Post.
 from same.
 These East, var. 6°30'. 2 524 links intrest Lake.
 Sct. Post marked. N. C. 1. 2 2023 same Lake. Sct. No. 8 not
 2 51.74 links. Intersect 1/4 Post between Sec. 28 & 29
 Using the East and West 1/4 line for a base
 Commencing
 I do hereby certify that I have this day
 made a survey, or re-survey, of Sec. 28, T47R28
 and the diagram and field notes as hereby
 shown are correct, to the best of my
 knowledge and belief.
 Examiner F. Feltner.
 C. Daring.
 Lewis D. Garrison
 Dep. Co. Surveyor.
 Jan. 18. 1904.

6. O. Bearing down. Town N. 53 E 20. Links.
 Established. New Bearing Town. 8-N 73 E 36 Links.

Measure of Lake.
 Commencing at M. B. No 2.
 South 334 Links. to Station 1
 S 65 1/2 E 588 " " 2
 N 53 1/2 E 334 " " 3
 N 85 1/2 E 865 " " 4
 N 33 E 651 " " 5
 N 35 1/2 E 420 " " 6
 N 41 1/2 E 500 " " 7
 N 18 1/2 E 500 " " 8
 N 49 3/4 W 2747 " " 9 which is 2094 East of Cor. 6
 S 86 1/4 W 960 " " 10 Sec. 20-21-28-29 T47R28
 S 71 1/4 E 1667 " " 11
 S 20 3/4 W 2460 " " 12



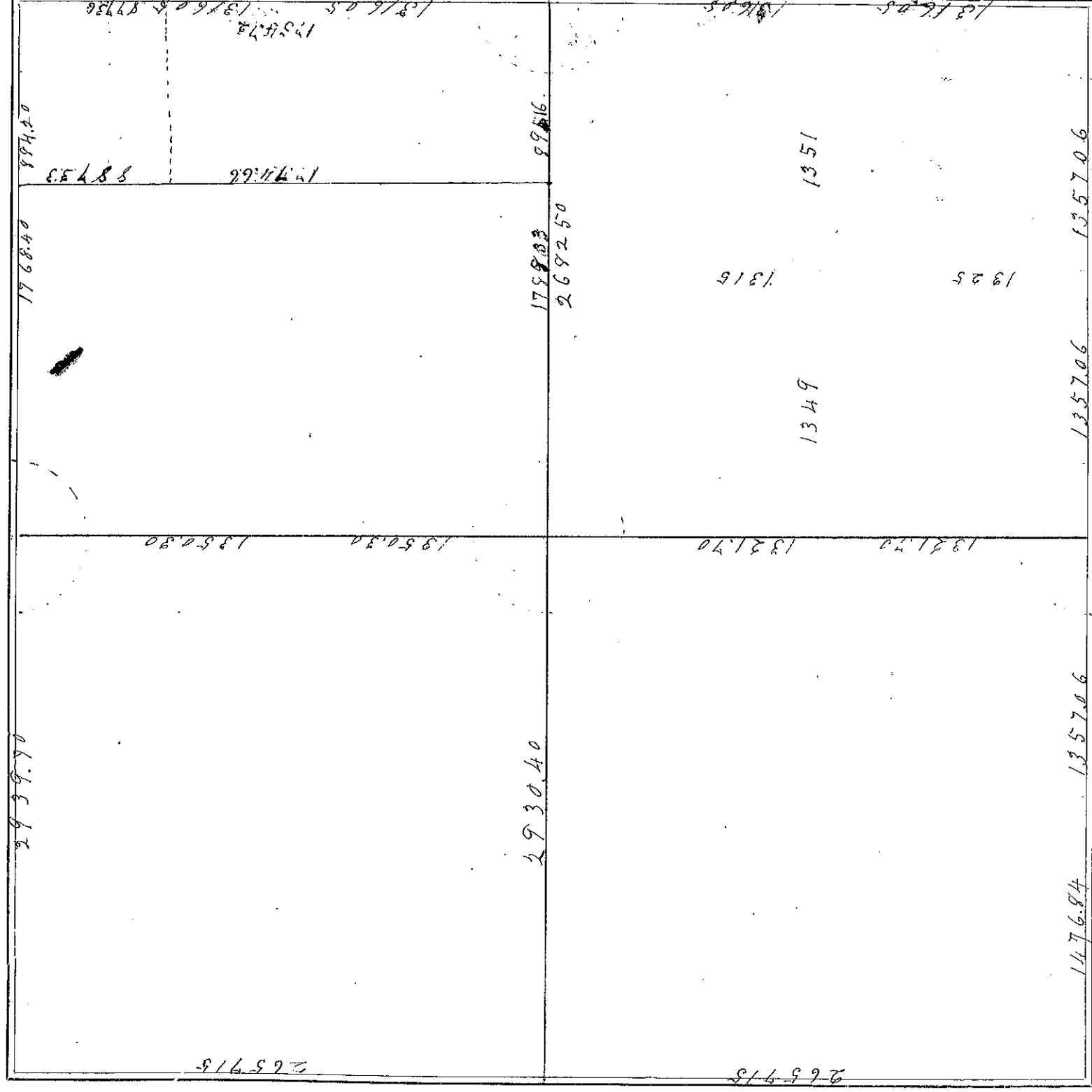
FIELD NOTES.

Commencing where the south line of Section sixteen intersects with the Mississippi River thence running west 57.40 chains. 3788.40 feet thence north var 945 72.40 chains. 4778.40 feet to meander corner on Lake shore set meander corner from original witness trees remains of both line are in evidence thence north same var. 7.60 chains 501.60 feet on ice on Lake set N.W. corner of section sixteen thence west on ice on 9.75 chains 643.50 feet to meander on west side Lake set meander corner from original witness trees returned south one half mile established 1/4 corner 2640 feet south of the northwest corner of the said section sixteen and 2640 feet north of the established south west corner of section six then thence east through center of section sixteen to 1/4 corner on east side of the said section sixteen and set 1/4 corner from original witness trees

I do hereby certify that I have this day made a survey of Sect 16 T 13.5 N R 27 W and the diagram there shown and the measurements thereon to be correct to the best of my knowledge and belief

J. H. Bartlett
County Surveyor
February 25 1905
JOSEPH WIGGINS Geo Lightner Roy Mash assistants

Section 18 Town 4 H Range 30



FIELD NOTES.

Commencing at iron monument at N.E. corner of Sec. 18 run west 894.25 ft. set post run west 1769.10 ft. to ^{iron monument} 1/4 post set more monument 1 1/2 x 2 1/2 inch. run west 2939.70 ft. to N.W. 1/4. to the corner from original witness tree. run south 2657.15 ft. to 1/4 post set iron monument 1 1/2 x 12 1/2 x 30 inches. run north of Laws of State of Minnesota of 1895, and the 1/4 post set iron monument previously set. ^{the same is connect to the ket of my knowledge,} West east 2538.90 ft to 1/4 post run north 1321.70 ft. S 1/2 E and being corner set stake - run north 1321.70 ft. set iron monument in center of section - run north 2710.60 ft. to iron monument previously established. West to 1/4 post known Sec. 16 & 17 quarter post previously established run west 894.16 ft. set stake for 60 acres of 6 1/2 of N.E. 1/4 run west 1489.33 ft to center of Sec. to iron monument previously established. run west 8920.40 ft. to 1/4 post iron monument previously set 3. ~~Run~~ ^{Run} to S.W. corner of 5.40 acres of 6 1/2 of N.E. 1/4 run north 1784.66 ft to S.W. corner of 5.40 acres of 6 1/2 of N.E. 1/4 set stake. run north 537.33 ft. to N.W. corner of 6.60 acres of 6 1/2 of N.E. 1/4. West to N.E. corner run south 877.26 ft. to N.E. corner of 5.40 acres of 6.60 acres of 6 1/2 of N.E. 1/4.

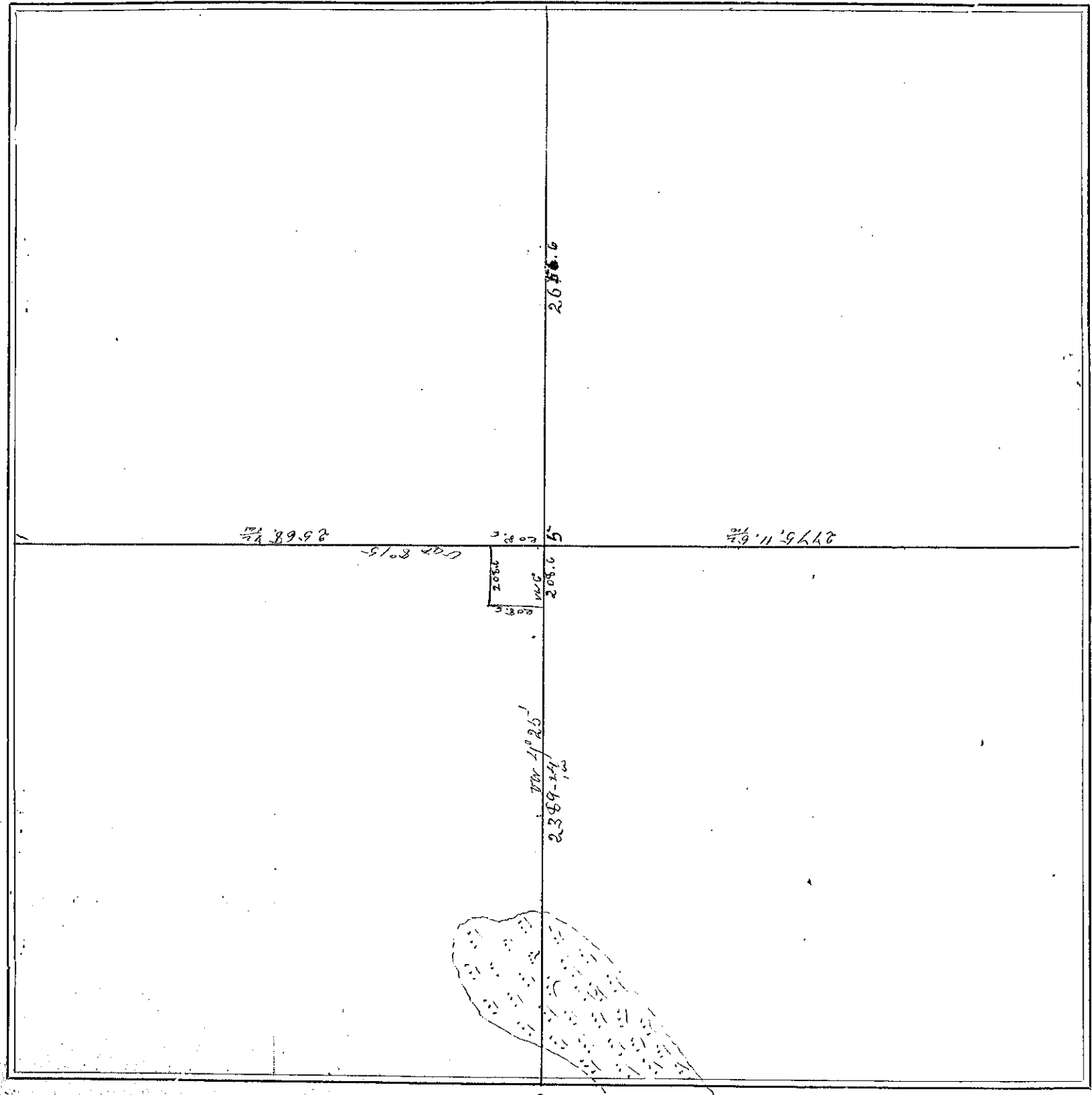
Run to S.W. corner of N.E. 1/4 of S.W. 1/4 stake previously set - run south 1315 ft set corner for center of S.W. 1/4 run S 1325 ft to stake previously set. West to W. corner of S.W. 1/4 of S.W. 1/4 - ~~run~~ ^{set} to stake previously set - run east 1348 ft. & center of S.W. 1/4 run east 1351 ft. to 1/4 corner previously set.

I, hereby certify that I have this day made a survey of Sec. 18, Town 4 H, Range 30, according to the attached plat and field notes, under Chap. 209 of Laws of State of Minnesota of 1895, and that the same is connect to the ket of my knowledge,

Brainard, Minn.

Albert LaFond } Chairman.
Henry Bowch. }

J. H. O. A. R. L. L. L.
S. A. S. H. L. L. L.



FIELD NOTES.

Commencing at 1/4 Post. between Sec. 28 and 29. A Bearings
found. from Post. to Iron Plate 1/4 x 2 x 10 in. Post.
then run South 89° 15' W. 2568.700 ft. to 1/4 Sec. Cor. for location.
thence South 2775.11.6 ft. to 1/4 Sec. Cor. between
Sec. 29 and 32. Set Post. (24) from C. 13 Bearings
then went to Post. (3) 1/4 Sec. Cor. between 29 & 30
Post. Post. from C. Bearings ran East. var. 4° 25' to 2377.32 ft.
thence Post. 2656.4 ft. to 1/4 Sec. Cor. (4) between
29 and 34. Set Post. from C. 13 Bearings
then established for Bearings 1 (5) on line of Sec. 29 &
1/4 Sec. Cor. 6-7 2775.11.6 ft.
1/4 Sec. Cor. 1/4 2775.11.6 ft. 53.6.700 "

from S. ran North 208.6 ft.
thence West 208.6 ft.
" South 208.6 ft.
" East 208.6 ft. to Place of Beginning
Said tract to Sec. (1) (Sec. 29) then or less according
to the Survey thereof.

I hereby certify that I have this day made a survey
of the above described tract, and that the same
is correct and said notes thereof are correct, to the
best of my knowledge and belief.

Witness my hand and seal this 20th day of
August 1880.
Lewis E. Garrison
Dep. Co. Surveyor

Sec. 12, T. 135, R. 29.

Survey began Dec. 16, A.D. 1907.
Magnetic Meridian assumed at 9°.

At corner of Sec. 11, 12, 13 and 14
found stake set by County Surveyor
Garrison; thence I run N.

40 ch. no signs of $\frac{1}{4}$ post or
B.T.s; thence N. to corner of
Sec. 1, 2, 11 and 12. No signs of
posts or B.T.s. I set temporary
stakes along this line every
10 ch. thence N. to M.C. No. 14.

Found one B.T. total distance
108.53 ch. By proportionate

measurement I set temporary corner of Sec. 1, 2, 11 and 12 and by cross lines prove Re
to be correct. At M.C. No. 14. I set new stake in proper place, marked M.C. and # as

marked B.T.s as follows. Jack Pine 8' S. 74° 45' E. 24 lks. I. Pine 8' S. 33° 14' 28 lks. At cor
of Sec. 1, 2, 11 and 12 I set iron stake and wood stake 4' x 4' x 3 $\frac{1}{2}$ ft. properly marked
with B.T.s as follows.

I. Pine 7' S. 61° 30' W. 24 lks.

W. " 6' N. 70° 30' E. 20 "

I " 7' N. 130° W. 3 "

I " 7' S. 32° E. 8 "

of Sec. 1, 2, 11 and 12. thence E to $\frac{1}{4}$ post I find B.T. with post about 100. out of place
Distance to proper location 40.80 ch. where I set new post and brighten marks on B.T.s.

and set at No. 9 by proportionate measurement, a post marked $\frac{1}{16}$; thence S. thro center of Sec.
dis. 79.96 ch. where I find no posts or B.T.s. I run S. line of Sec. from cor. of 11 and 12 to M.C. No. 10, a

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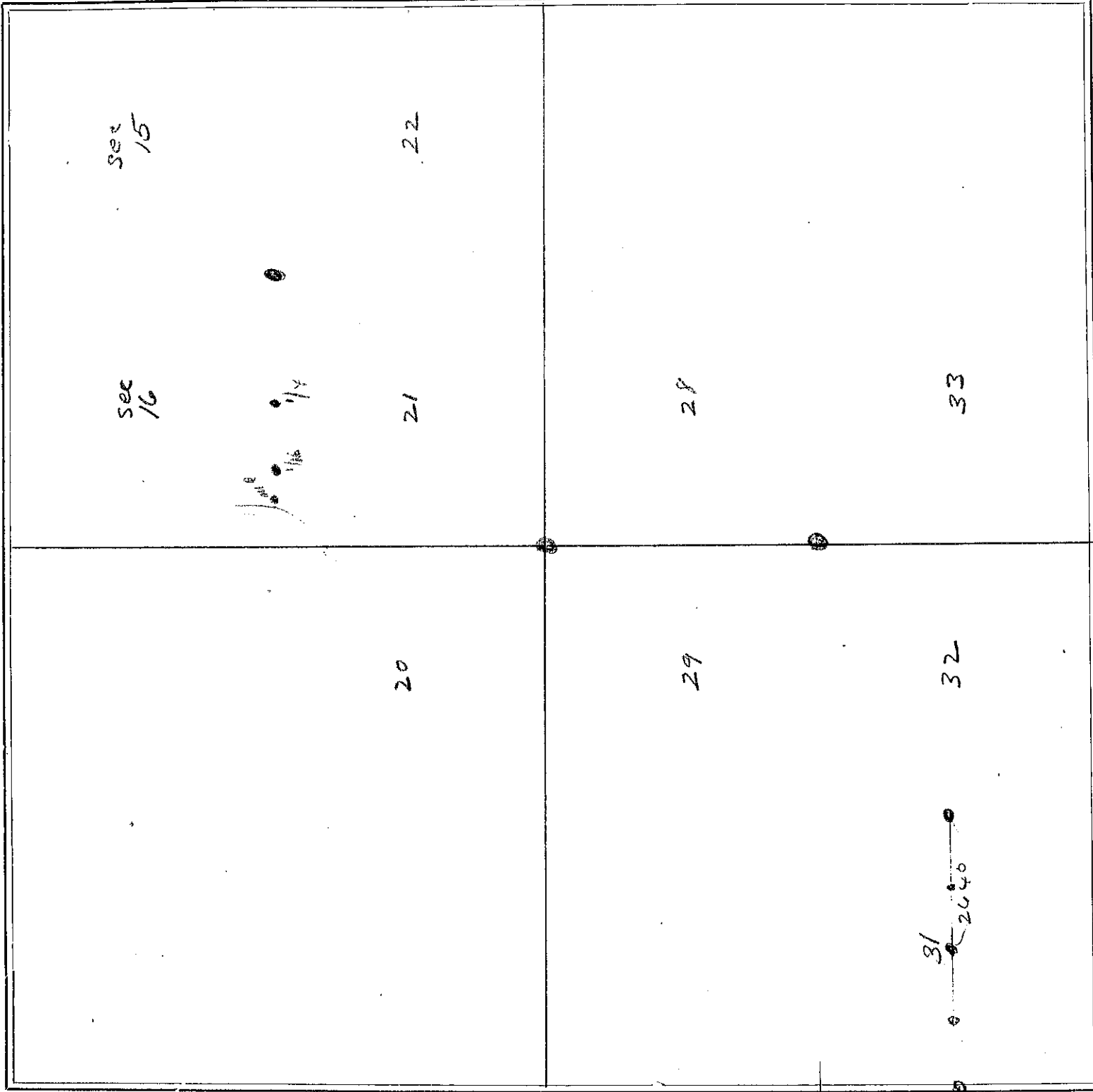
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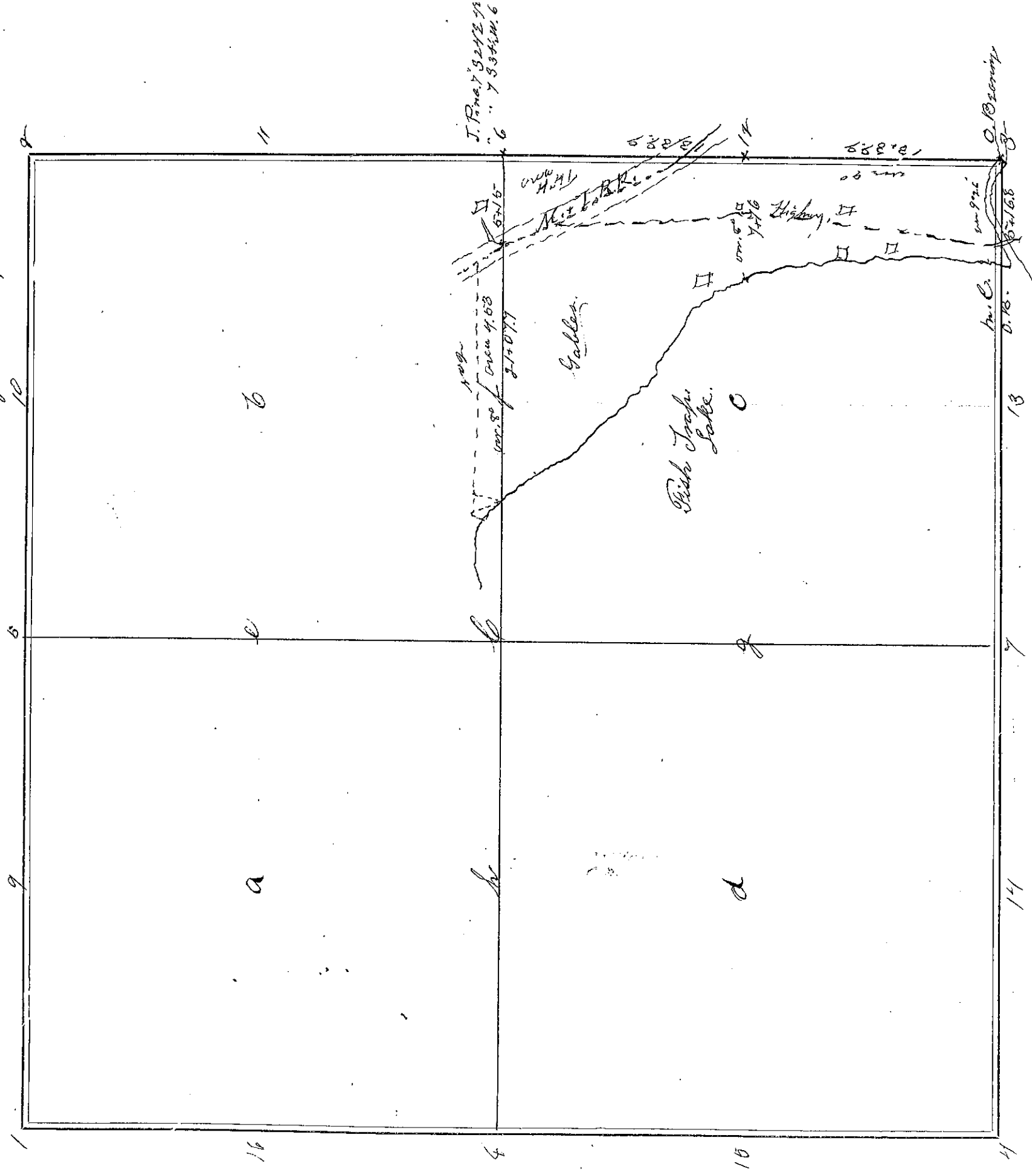
SURVEY No. 118
Range 27
Town 137
Section 15-16-20-21-22-28-29-31-32-33
And Sec 31 T 137-R 28



FIELD NOTES.

No 118
Sections 15-16-20-21-22-28-29-31-32-33
T 137 R 27 also
Section 36 T 137 R 28

Section 11 Town 135 Range 29



FIELD NOTES.

Com. @ M. Cove. N. 16. S. 136° R. 29. Sec. 11.
 find Gr. Reced. Standing. A. M. Pine 80° E 34.8'
 one East by Transit Site N 80° 34' E. = 80.9° 26'
 @ 57.6.8' interest Conn. to Sec. 18 1/4 S. 185° R. 29
 (Set in Bank. find Bear's Tree Swamp. (for
 M. W. Slater. 66' South.) Markings still plain.
 one North. sec. 19 1/2 W. @ 3' leave Bank. ✓
 @ 13.399 Set. 46 Post.
 @ 17.41.9 Center of Tr. & S. R. R. track.
 @ 26.79.8 Set 4 Post. bottom Sec. 11 & 2 S. 135° R. 29
 from which U. J. Pine. Y. S. 24° E 48.68'
 " " " Y-334 1/2 W. 68'
 are the Bearings.
 from. 14. 10.6. ran West. var. 582° W.
 @ 57.15 to Center of Tr. & S. R. R. track.
 @ 18.07 " breadway.
 @ 26.07.7 Lake Shore.
 S. + W. South 78 line.
 Com. @ 46 Post. No. 12. bet. Sec. 11 & 2 S. 135° R. 29
 ran West. var. 581° W.
 @ 3+82. Center of Highway
 " 7+76 Lake Shore.
 Set. Post.

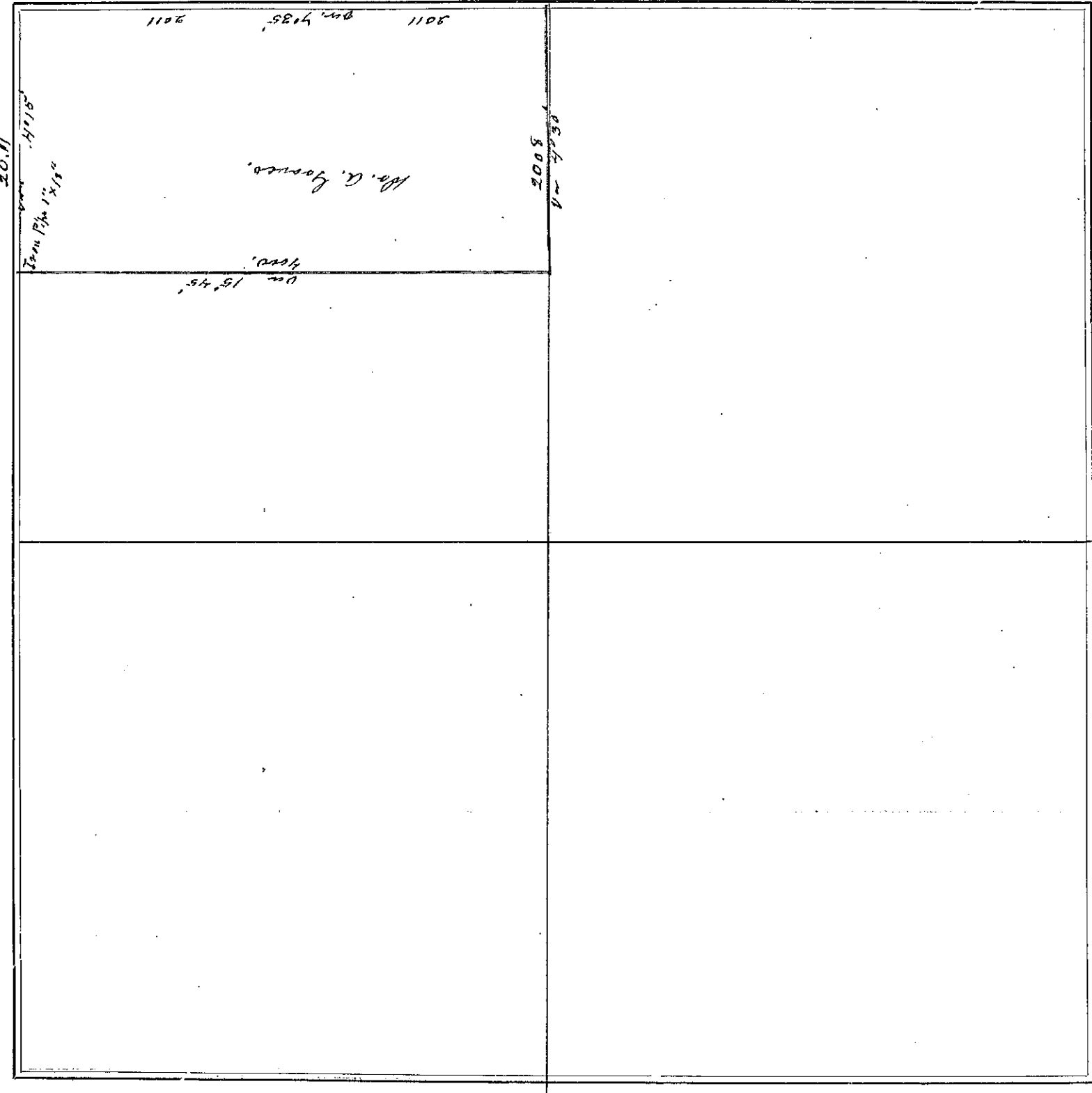
Description No 2
 Conn. & A. Point. 57° 05' West of S 1/4 East bet. Sec. 1, Sec.
 thence West. S 82° W.
 162.42.7 to Lake Shore.
 Thence N 29 1/2 W 103 E A.P.
 " N 13 1/2 E 77 " " "
 for which A. Oak, 3-N 7 1/2 E - 7.8
 " " 4 N 11.5 E - 11.5 as Bonye.
 Thence East. 102.68 to A.P.
 " S 29 1/2 E 1542.5. to Place of Beginning
 containing 700 Acres. accor. to Survey.
 I here by certify that I made a survey,
 of the above described tract. Novr 1899
 J. M. Merrill & Mary, and the Plot & Notes
 are current to the best of my knowledge & belief.

Recd. this 2nd day of May. 1909.
Saml. E. Garrison
Co. Bangor

SURVEY No. 120

Section 10 Town 45 Range 29

Iron Pipe 3/4" x 18"



FIELD NOTES.

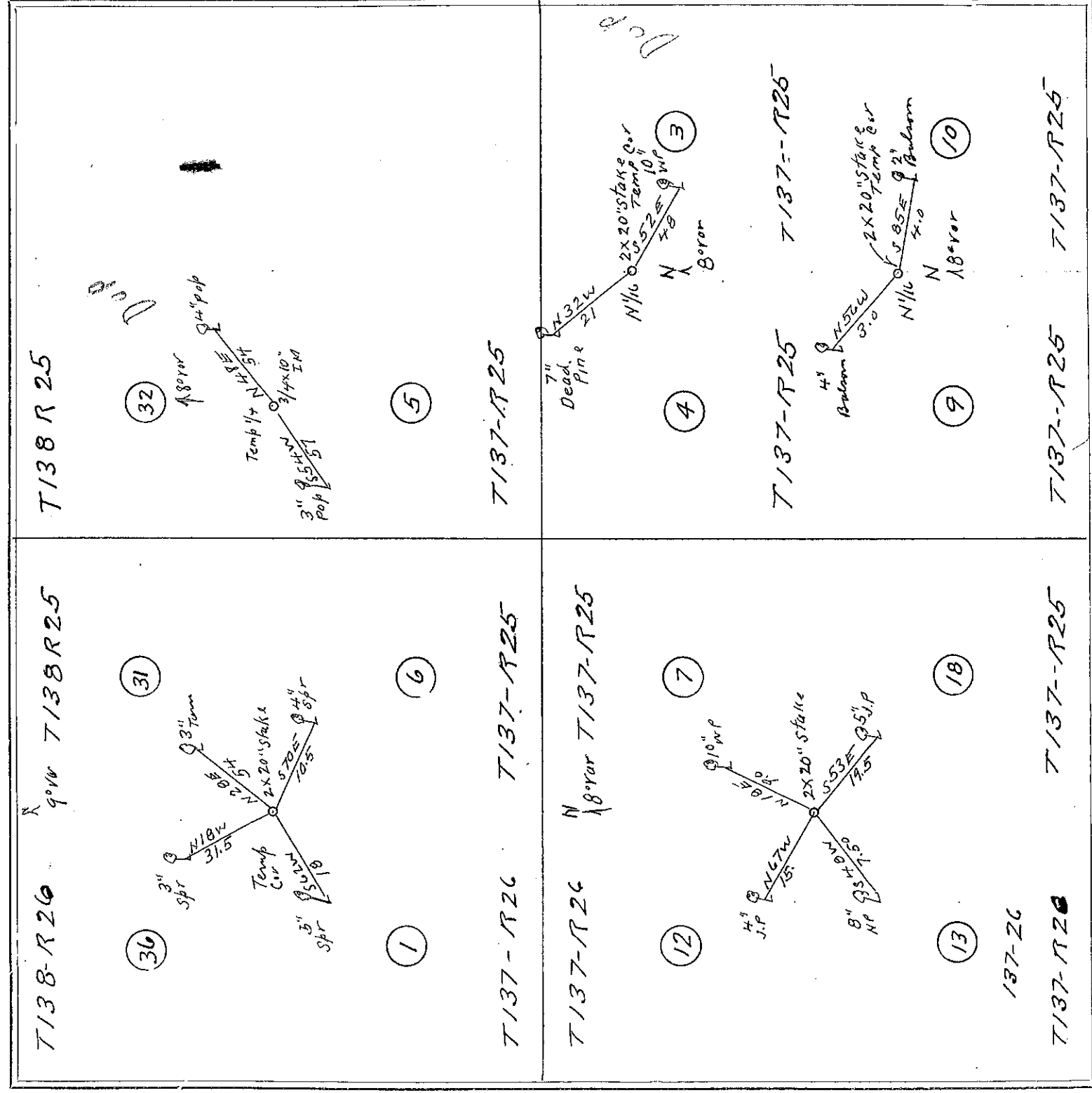
I hereby certify that the above
Plat and Notes are correct. to
the best of my knowledge & belief.

Surveyed Dec. 7 '03.
Saml. E. Garrison
Ch. Surgen.

Wm. H. Hammett.
Arthur Holmes.

SURVEY No. 385

Section Town Range Range



FIELD NOTES.

At the $\frac{1}{4}$ corner between Sections 5 and 32 T137-138 N T9 25 W. we set a $3\frac{1}{2} \times 10$ inch iron for the temporary corner; then take new bearings and run; In Dec 32. T138 R25: N 48° E 54 ft to a 4" Poplar then S 4° W as a check, to the corner; Then In Dec 5. T137 R25 run S 45° W 57 ft to a 3" Oak then N 8° E $\frac{1}{2}$ corner or 8° E

At the corner to Acres 16-31-36 T137-138 N. T9s 25-26 W. we set a 2×20 stake for the limp' cor and run; In Dec 31. T138 R25: N 28° E 54 ft to a 3" Oak; then S 8° W $\frac{1}{2}$ corner In Dec 36. T138-R26 run N 18° W 31.5 ft to a 3" spruce; then E 8° S $\frac{1}{2}$ corner; Then In Dec 1. T137 R2 run S 62° W 18 ft to a 5" spruce; then N 8° E $\frac{1}{2}$ corner; then In Dec 6. T137 R25 run S 70° E 10.57 ft to a 4" spruce; then N 8° W to corner. Or 8° E

At the corner to Acres 7-12-13-18. T137 R25-26- we set a 2×20 stake for the limp' cor and run In Dec 7- T137 R25: N 18° E 9 ft to a 10" W.P. then N 8° S $\frac{1}{2}$ corner; then In Dec 12. T137 R26 run N 67° W 15 ft to a 4" Q.P. then S 8° E $\frac{1}{2}$ corner; then In Dec 13 T137 R26 run S 41° 7.50 ft to an 8" N. Pin; then N 8° E to cor; then In Dec 18 T137 R25 run S 53° E 19.5 ft to a 5" Q.P. then N 8° W $\frac{1}{2}$ corner or 8° E.

At the N $\frac{1}{4}$ cor bet acres 3 & 4 T137 R25 we set a 2×20 stake for the limp' cor and run In Dec 3. T137 R25 S 52° E 48 ft to a 10" W.P. then W 8° N $\frac{1}{2}$ corner; then In Dec 4 T137 R25 run N 32° W 21 ft to a 7" dead pine; then E 8° S $\frac{1}{2}$ corner or 8° E

At the N. $\frac{1}{4}$ cor bet acres 9 and 10. T137 R25 we set a 2×20 stake for the temporary corner and run; In Dec 10 T137-R25: S 85° E 4.00 ft to a 2" Balsam; then check W 8° N. $\frac{1}{2}$ corner then In Dec 9-T137 R25 run N 56° W 3.00 ft to a 4" Balsam; then E 8° S as a check, to the corner. Or 8° E

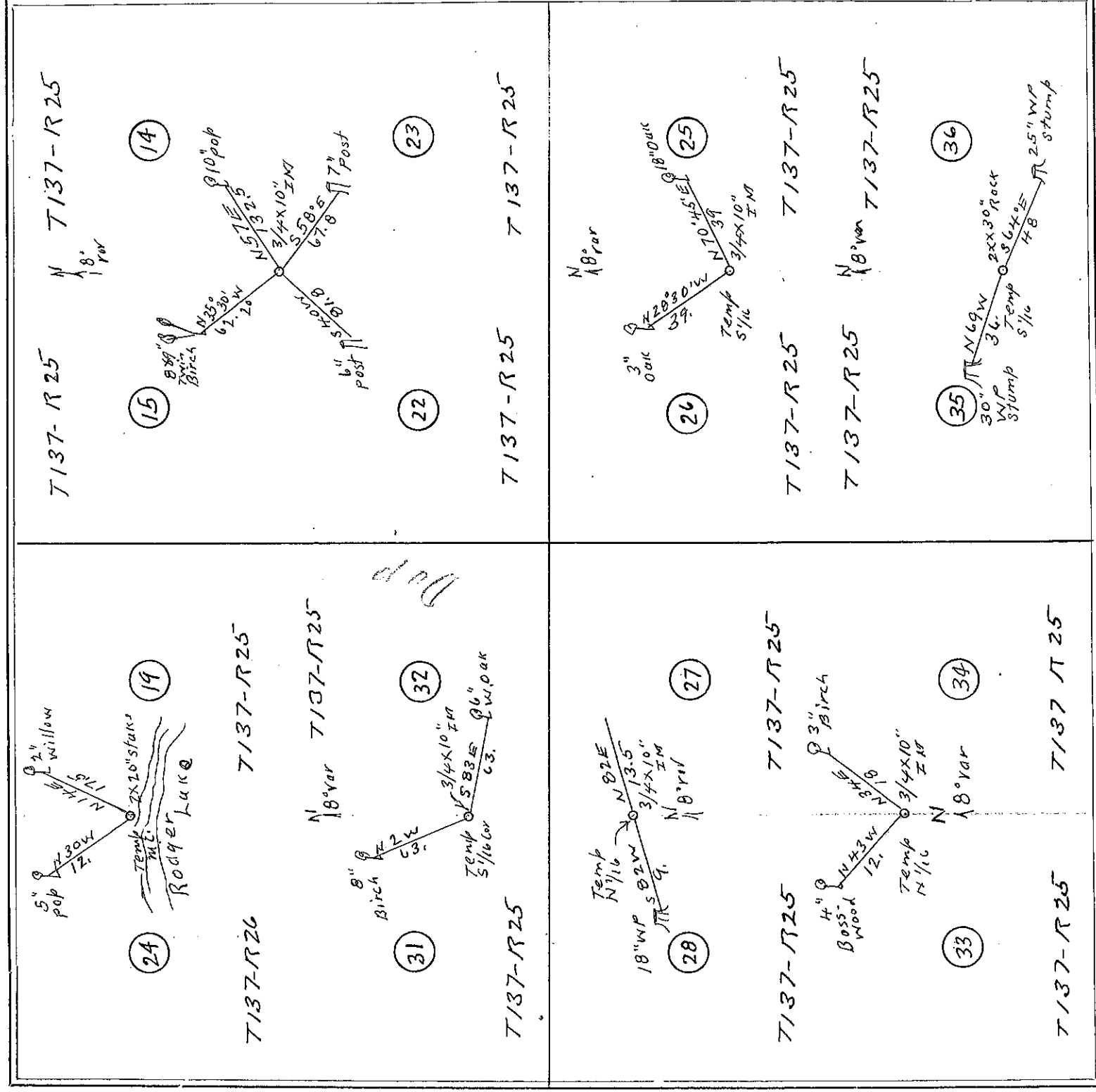
Survey finished, checked and recorded July 18-1922

John M. Curo
Co Surveyor

Section

Turn

Range.



FIELD NOTES.

At the corner to sec 14-15-22-23 T137-R25 we set a $3\frac{1}{4} \times 10$ " iron; then take new bearings and run; then Dec 14 T137-R25: N57°E 132.5 ft to a 10" profile; then S8°W. as a check, to the corner; then Jan Dec 15 T137-R25 run N35°30'W 62.20 ft to an 8" and 9" turn Birch; then E45°S to corner; then Jan Dec 22-7137-R25 run S40°W 11.80 ft to a 6" post; then E45°N to corner; then Jan Dec 23 T137-R25 run S58°E 67.8 ft to a 7" post; then E45°W to corner. Var 8°E.

At the U.S. M.C. on N side. of Rodger Lake bet sees 19-24 T137-R25-26-27 we set a 2×20 " stake for the limp cor and run; Jan Dec 19 T137-R25: N14°E 17.5 ft to a 2" Willow; then E45°S to corner; then Jan Dec 24-T137-R26 run N30°W 12 ft to a 5" Pop. then E45°S to corner. Var 8°E.

At the S. $\frac{1}{16}$ cor bet sees 31-32-T137-R25 we set a $3\frac{1}{4} \times 10$ " iron for the limp' cor and run Jan Dec 32-T137-R25-S83°E 63. ft to a 6" W. Oak; then N45°N to corner; then Jan Dec 31-T137-R25 run N2°W 63 ft to an 8" Birch; then E45°S to corner. Var 8°E.

At the N $\frac{1}{16}$ bet sees 27-28 T137-R25 we set a $3\frac{1}{4} \times 10$ " iron for the limp' cor and run Jan Dec 27 T137-R25 N82°E 13.5 ft to a 20" W. P. plump; then N45°S to corner; then Jan Dec 28 T137-R25 run S82°W 9. ft to an 18" W. P. plump; then E45°N to corner. Var 8°E.

At the N $\frac{1}{16}$ cor bet sees 33-34 T137-R25 we set a $3\frac{1}{4} \times 10$ " iron for the limp' cor and run; Jan Dec 34 T137-R25: N34°E 18. ft to a 3" Birch; then W45°S to corner; then Jan Dec 33 T137-R25 run N43°W 12. ft to a 4" Barrowood; then E45°S to corner. Var 8°E.

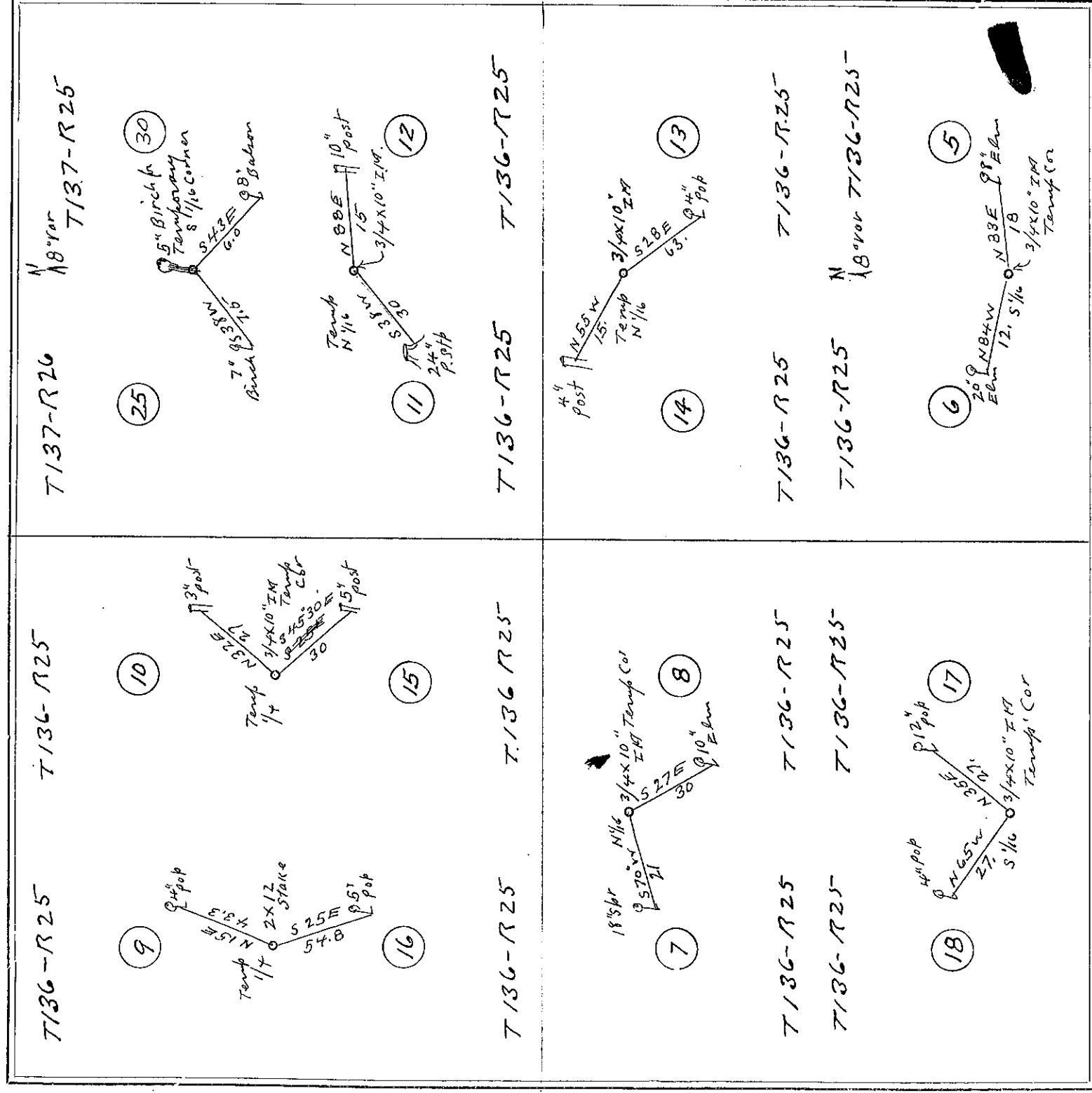
At the S. $\frac{1}{16}$ cor bet sees 25-26 T137-R25 we set a $3\frac{1}{4} \times 10$ " iron for the limp' cor and run Jan Dec 25-T137-R25-N70°45'E 39. ft to an 18" oak; then N45°S to corner; then Jan Dec 26 T137-R25 run N28°30'W 39. ft to a 3" Oak; then E45°S to corner. Var 8°E.

At the S. $\frac{1}{16}$ cor bet sees 35-36 T137-R25 we set a $3\frac{1}{4} \times 10$ " iron for the limp' cor and run; Jan Dec 36-T137-R25: S64°E 48 ft to a 25" W. P. then W45°N to corner. then Jan Dec 35 T137-R25 run: N69°W 36. ft to a 30" W. P. plump; then E45°S to check on corner. Var 8°E. Survey finished - Checked and recorded July 20-1922.

John W. Carr
C. Runyon

SURVEY No. 387

Section Town Range Orange



FIELD NOTES.

At the S. 1/4 Cor bet sec 30 and 25 T 137 N. R25-26 W we mark a 5" Birch tree for the temporary corner from which we take new bearings and run: In Dec 30 T 137 R25: S 43° E 60 ft to an 8" badlam; then chain West & north on a check, to the corner; then In Dec 25 T 137 R26 run S 38° W 7.50 ft to a 7" birch, then E & N to corner on 8° E

At the limp, N 1/4 Cor bet sec 11-12 T 136-R25 we set a 3/4x10" iron and run: In Dec 12 T 136 R25: N 88° E 15 ft to a 10" post; then W & S to corner; then In Dec 11 T 136 R25 run S 38° W 30 ft to a 24" pine stump; then E & N to corner on 8° E

At the limp N 1/4 Cor bet sec 13 & 14 T 136 R25 we set a 3/4x10" iron and run In Dec 13 T 136 R25: S 28° E 63 ft to a 4" poplar; then W & N to corner; then In Dec 14 T 136 R25 run N 55° W 15 ft to a 4" post; then E & S to corner on 8° E

At the S. 1/4 Cor bet sec 5 and 6 T 136 R25 we set a 3/4x10" iron for the limp Cor and run: In Dec 5 T 136 R25: N 83° E 18 ft to an 8" Elm; then W & S to corner; then In Dec 6 T 136 R25 run N 84° W 12 ft to a 20" Elm; then E & S to corner on 8° E

At the temporary 1/4 corner bet sec 10-15 T 136-R25 we set a 3/4x10" iron and run In Dec 10 T 136-R25: N 32° E 27 ft to a 3" post; then S & W to corner; then In Dec 15 T 136 R25 run S 45° 30' E 30 ft to a 5" post; then N & E to corner on 8° E

At the 1/4 Cor bet sec 9 and 16 T 136-R25: N 15° E 43.3 ft to a 4" poplar; then W & S to corner and run: In Dec 9 T 136 R25: N 15° E 43.3 ft to a 4" poplar; then N & S to corner on 8° E

At the limp N 1/4 Cor bet sec 7 and 8 T 136 R25 we set a 3/4x10" iron and run: In Dec 8 T 136 R25: S 27° E 30 ft to a 10" elm; then W & N to corner; then In Dec 7 T 136 R25 run S 70° W 21 ft to an 18 inch Spruce; then E & N to corner on 8° E

At the temporary S. 1/4 Cor bet sec 17 and 18 T 136 R25 we set a 3/4x10" iron and run: In Dec 17 T 136 R25: N 35° E 27 ft to a 12" poplar; then W & S to corner; then In Dec 18 T 136 R25 run N 65° W 27 ft to a 4" poplar; then E & S as a check to the corner on 8° E.

Survey finished. Checked and recorded July 22-1922.

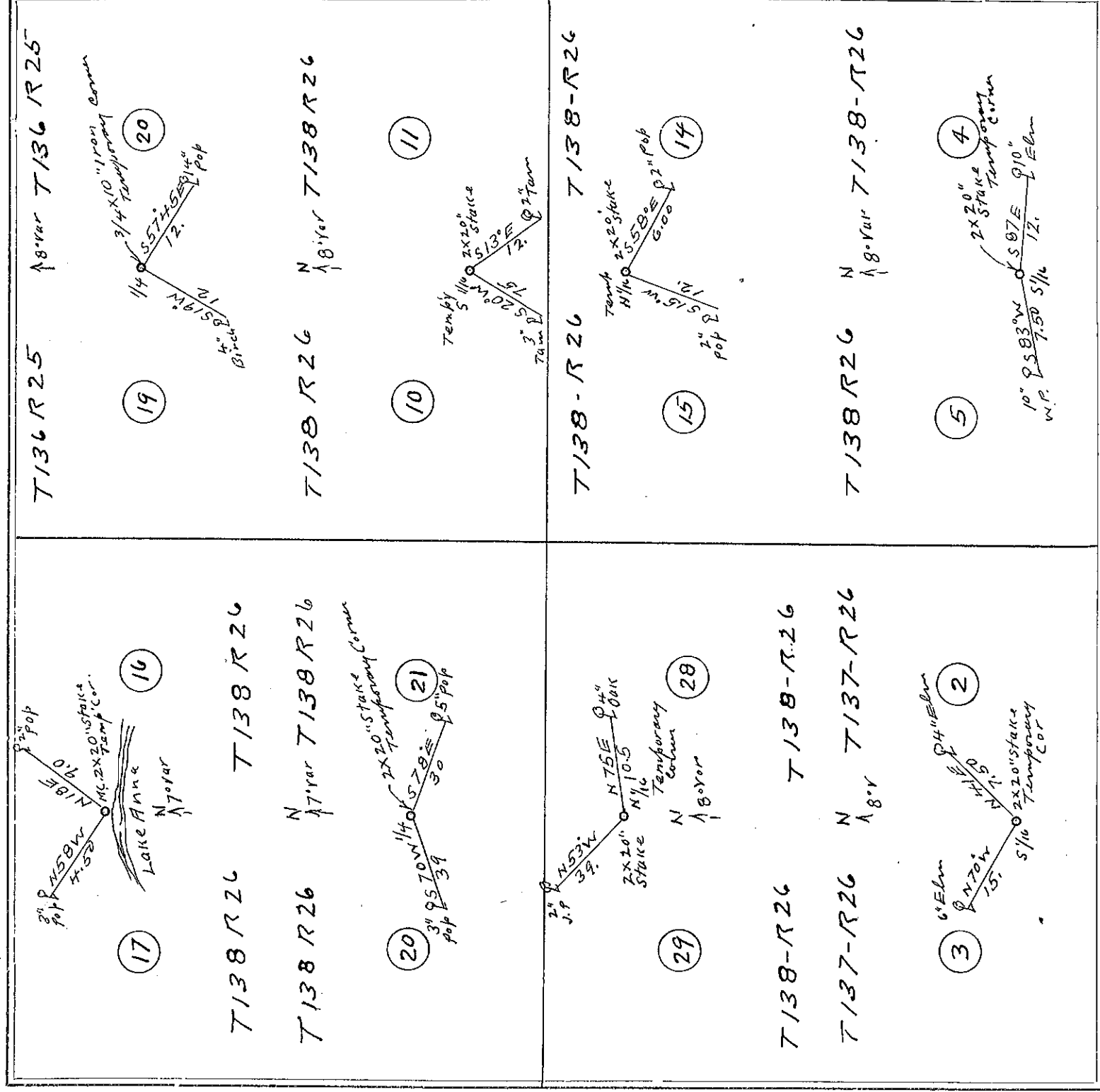
John W. Curo

SURVEY No. 388

Section

Town

Range



FIELD NOTES.

At the temp 1/4 cor between sec 19 & 20 T 136 R 25 we set a 34 x 10" iron then run to new bearings. In sec 20 T 136 R 25 S 57°45' E 12 ft to a 14" poplar then W & S as a check to the corner then in sec 19 T 136 R 26 run S 19°W 12 ft to a 4" Birch then E & S to corner was 8°E.

At the temp 5 1/4 cor bet sec 10 & 11 T 138 R 26 we set a 2 x 20" stake & run in sec 11 T 138 R 26 S 13°E 12 ft to a 2" Jar then W & S to cor then in sec 10 T 138 R 26 run S 20°W 70 ft to a 8" Jar then E & S to corner was 8°E.

At the temp 3 1/4 cor bet sec 15°W 12 ft to a 2" pop then E & S to corner was 8°E.

At the temp 3 1/4 cor bet sec 4 & 5 T 138 R 26 we set a 2 x 20" stake & run in sec 4 T 138 R 26 S 87°E 12 ft to a 10" Elm then W & S to cor then in sec 5 T 138 R 26 run S 83°W 70 ft to a 10" W.P. then E & S to corner was 8°E.

At the U.S.M.C. on N side of Lake Anna bet sec 16 & 17 T 138 R 26 we set a 2 x 20" stake for dump cor & run in sec 16 T 138 R 26 W 18°E 9 ft to a 2" pop then W & S to cor then in sec 17 T 138 R 26 run S 58°W 450 ft to a 3" pop then E & S to corner was 7°E.

At the temp 1/4 cor bet sec 20 & 21 T 138 R 26 we set a 2 x 20" stake & run in sec 20 T 138 R 26 S 39°E 30 ft to a 5" pop then W & S to cor then in sec 21 T 138 R 26 run S 70°W 39 ft to a 3" pop then E & S to corner was 7°E.

At the temp 1/4 cor bet sec 28 & 29 T 138 R 26 we set a 2 x 20" stake & run in sec 28 T 138 R 26 W 15°E 10.5 ft to a 4" Oak then W & S to cor then in sec 29 T 138 R 26 run S 39°E 39 ft to a 2" Jar then E & S to corner was 8°E.

At the temp 3 1/4 cor bet sec 2 & 3 T 137 R 26 we set a 2 x 20" stake & run in sec 2 T 137 R 26 W 41°E 7.50 ft to a 4" Elm then W & S to cor then in sec 3 T 137 R 26 run S 70°W 1 ft to a 6" Elm then E & S as a check to the corner was 8°E.

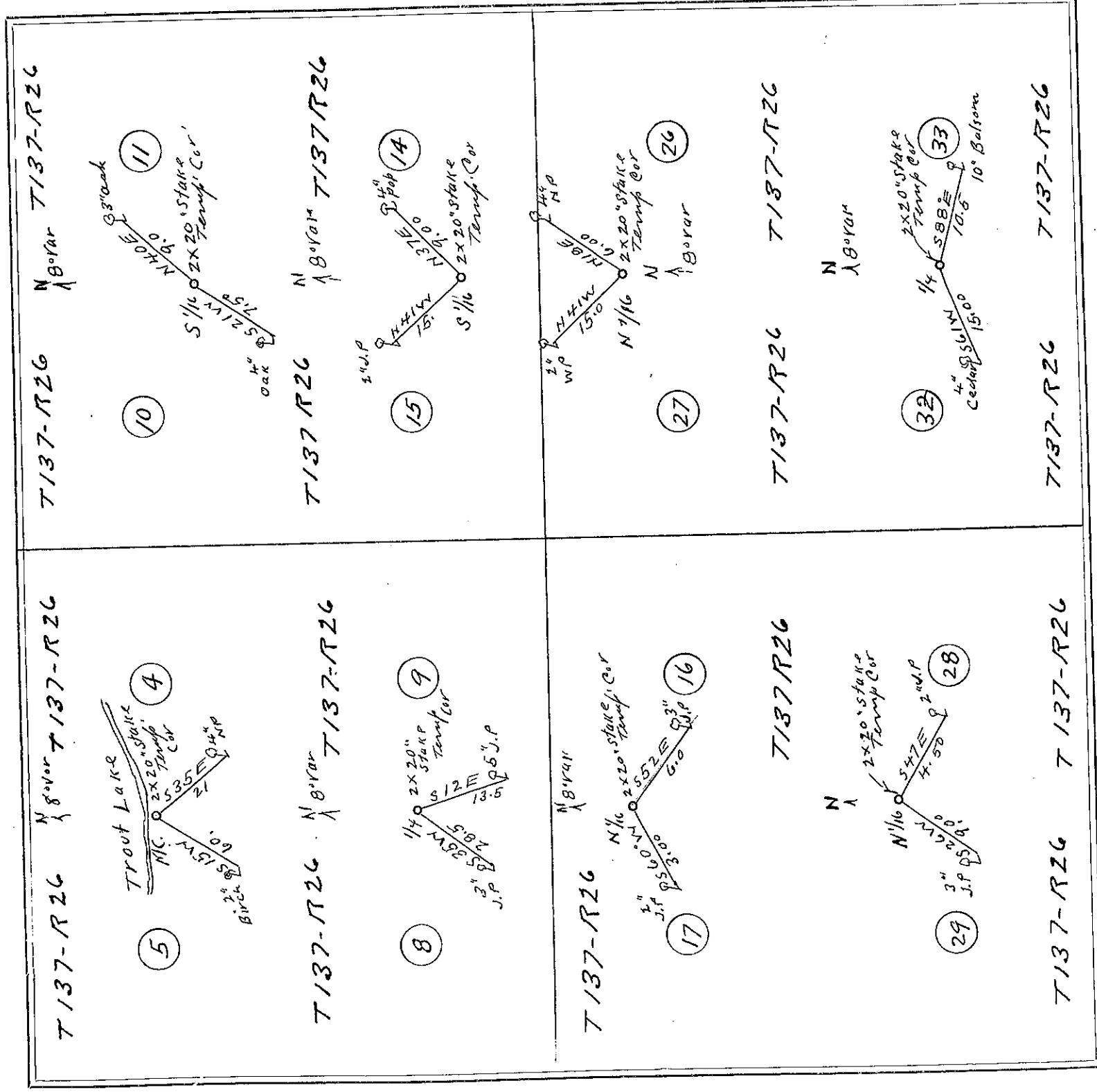
Survey finished checked and recorded
July 23rd 1922

John W. Duro As Surveyor.

Section

Town

Range



FIELD NOTES.

At the Temp S 1/4 cor bet sec 10 & 11 T 137 R26 we set a 2x20" stake then run to new bearing in sec 11 T 137 R26 W 40° E 9 ft to a 3" oak then W & S as a cor to the cor there in sec 10 T 137 R26 run S 21° W 7.5 ft to a 4" oak then E & N to corner var 8° E.

At the S 1/4 cor bet sec 14 & 15 T 137 R26 we set a 2x20" for the Temp cor & run in sec 14 T 137 R26 W 37° E 9 ft to a 4" pop then W & S to cor then in sec 15 T 137 R26 run S 41° W 15 ft to a 2" J.P. then E & S to corner var 8° E.

At the 1/4 cor bet sec 26 T 137 R26 & 27 T 137 R26 we set a 2x20" stake for the Temp cor & run in sec 26 T 137 R26 W 18° E 6.0 ft to a 4" cor then W & S to cor then in sec 27 T 137 R26 run W 15 ft to a 2" W.S. then E & S to corner var 8° E.

At the 1/4 cor bet sec 32 & 33 T 137 R26 we set a 2x20" stake for the Temp cor & run in sec 32 T 137 R26 run S 61° W 15 ft to a 4" cedar then E & S to corner var 8° E.

At the U.S.M.R. on S side of Trout Lake bet sec 4 & 5 T 137 R26 we set a 2x20" stake for the Temp cor & run in sec 4 T 137 R26 run S 15° W 6.0 ft to a 2" birch then E & N to corner var 8° E.

At the 1/4 cor bet sec 8 & 9 T 137 R26 we set a 2x20" stake for the Temp cor & run in sec 8 T 137 R26 run S 12° E 13.5 ft to a 5" J.P. then W & N to cor then in sec 9 T 137 R26 run S 35° W 28.5 ft to a 3" J.P. then E & S to corner var 8° E.

At the 1/4 cor bet sec 16 & 17 T 137 R26 we set a 2x20" stake for the Temp cor & run in sec 16 T 137 R26 S 52° E 6.0 ft to a 3" J.P. then W & N to cor then in sec 17 T 137 R26 run S 60° W 30 ft to a 2" J.P. then E & N to corner var 8° E.

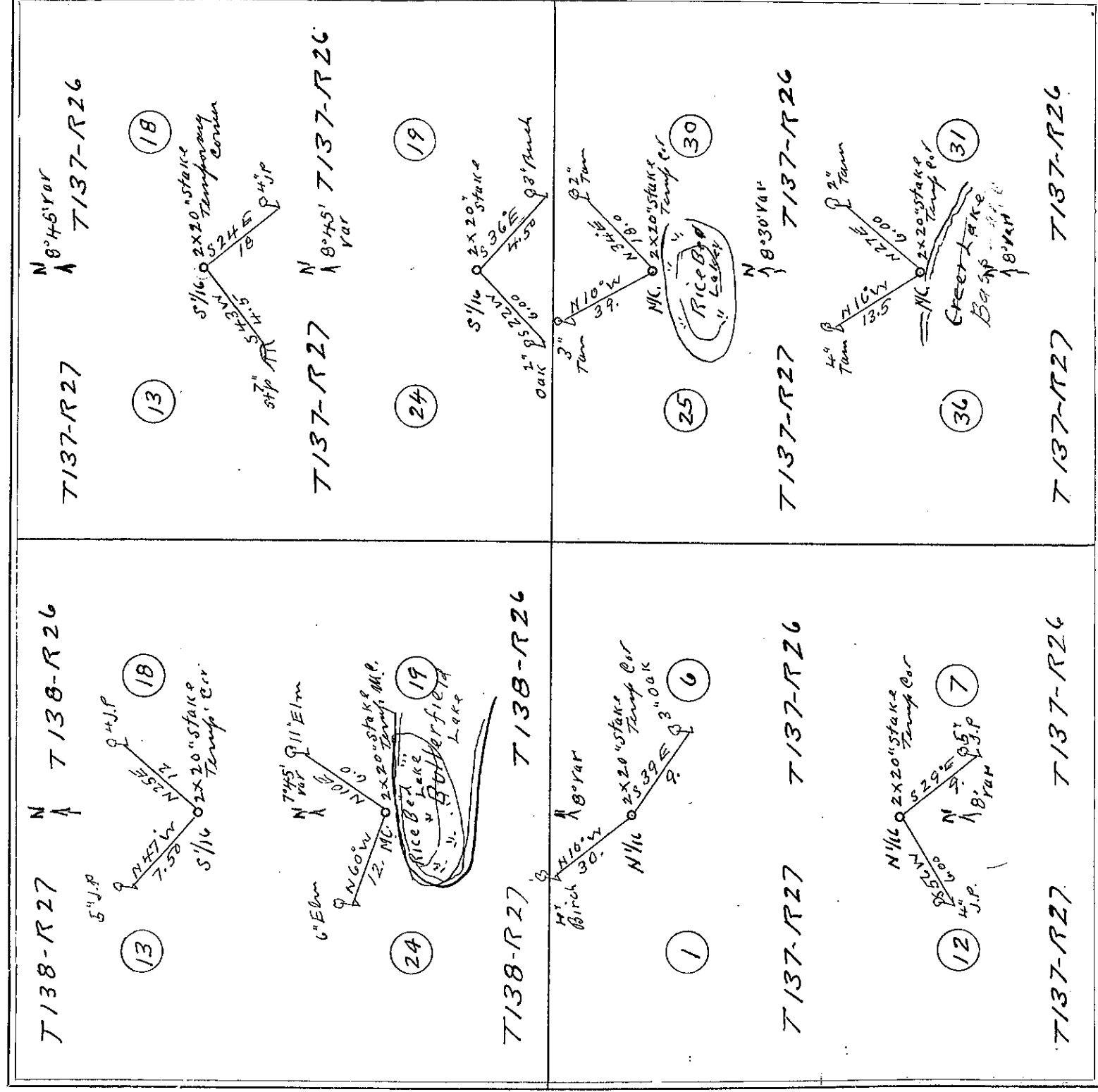
At the 1/4 cor bet sec 28 & 29 T 137 R26 we set a 2x20" stake for the Temp cor & run in sec 28 T 137 R26 S 47° E 4.5 ft to a 2" J.P. then W & N to cor then in sec 29 T 137 R26 run S 26° W 9.0 ft to a 3" J.P. then E & S to corner var 8° E.

Survey finished checked and recorded
July 25 1922

John W. Burdette, Surveyor.

SURVEY No. 390

Section Town Range



FIELD NOTES.

At the South 1/4 cor bet sec 13 & 18 T137 R26 & 27 we set a 2x20" stake for the temp cor. & run to new bearings from sec 18 T137 R26 S 24° E 18' ft to a 4" J.P. then W & N as per sketch to corner. Then in sec 13 T137 R27 run S 43° W 4.5 ft to a 7" stump then E & N to corner. var 8° 45' E.

At the S 1/4 cor bet sec 19 & 24 T137 R26 & 27 we set a 2x20" stake for temp cor. & run in sec 19 T137 R27 36° E 4.5 ft to a 3" fir tree then W & N to corner var 8° 45' E. At a point on line on N side of Rice Lake we set a 2x20" stake as a temp M.C. bet sec 20 & 30 T137 R26 & 27 then run in sec 30 T137 R26 N 34° E 18 ft to a 2" tan then W & S to corner then in sec 25 T137 R27 run N 10° W 39 ft to a 3" tan then E & S to corner var 8° 30' E. At the M.C. on N side of Rice Lake bet sec 31 & 36 T137 R26 & 27 we set a 2x20" stake for temp cor & run in sec 31 T137 R26 N 27° E 6.0 ft to a 2" tan then W & S to cor then in sec 36 T137 R27 run N 16° W 13.0 ft to a 4" tan then E & S to corner var 8° E.

At the S 1/4 cor bet sec 13 & 18 T138 R26 & 27 we set a 2x20" stake for temp cor & run in sec 13 T138 R26 N 10° E 6.0 ft to a 4" Elm then W & S to cor then in sec 24 T138 R27 run N 60° W 12 ft to a 6" Elm then E & S to corner var 8° E.

At the N 1/4 cor bet sec 1 & 6 T137 R26 & 27 we set a 2x20" stake for temp cor & run in sec 6 T137 R26 S 39° E 9 ft to a 3" oak then W & N to cor then in sec 1 T137 R27 run N 10° W 30 ft to a 4" fir tree then E & S to corner var 8° E.

At the N 1/4 cor bet sec 7 & 12 T137 R26 & 27 we set a 2x20" stake for temp cor then take new bearings & run in sec 7 T137 R26 S 29° E 9.0 ft to a 5" J.P. then W & N to cor then in sec 12 T137 R27 run S 56° W 6.0 ft to a 4" J.P. then E & N as a check to corner var 8° E.

Survey finished checked & recorded
July 27 1922

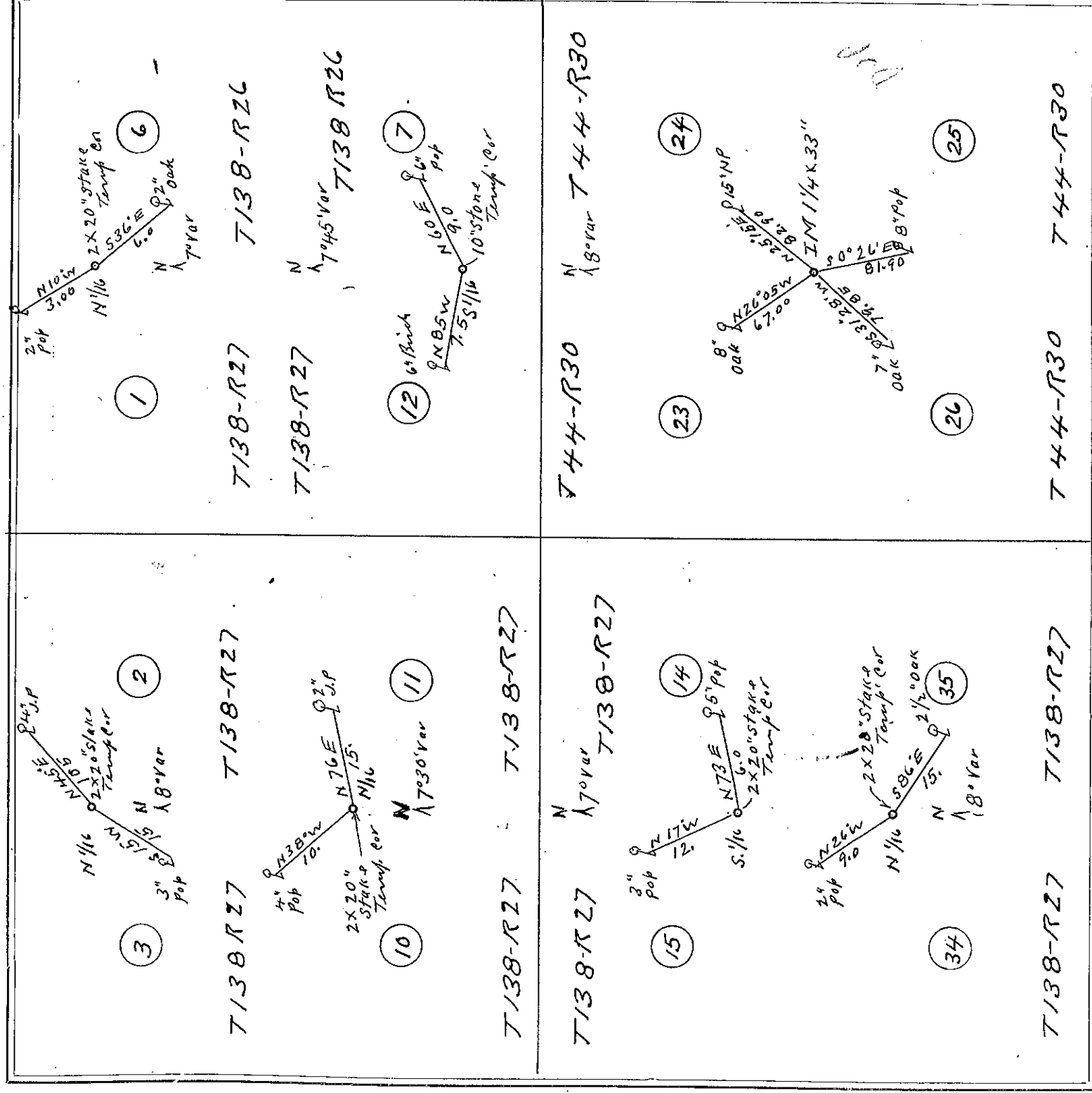
John W. Cuss Co. Surveyors.

SURVEY No. 391

Section

Town

Range



FIELD NOTES.

At the N 1/16 corner bet sec 1 & 6 T138 R26 & 27 W we set a 2x20" stake for temp cor then run to new bearings in sec 6 T138 R26 S 36° E 6.00 ft to a 2" oak then W & S as a check to the cor then in sec 1 T138 R27 run N 10° W 3.00 ft to a 2" pop then E & S to corner var 7° E. At the S 1/16 cor bet sec 7 & 12 T138 R26 & 27 we set a 10" stone for temp cor & run in sec 7 T138 R26 N 60° E 9.00 ft to a 6" pop then W & S to another in sec 12 T138 R27 run N 85° W 7.50 ft to a 6" birch then E & S to corner var 7° 45' E. At the cor to sec 23-24-25-26 T44 R30 we set a 1 1/4 x 33" iron then run in sec 24 T44 R30 N 25° 15' E 82.90 ft to a 15" N Pine then W & S to cor then in sec 25 T44 R30 run N 26° 05' W 6.70 ft to an 8" oak then E & S to cor then in sec 25 T44 R30 run S 0° 26' E 81.90 ft to an 8" pop then W & S to corner var 8° E. At the N 1/16 cor bet sec 2 & 3 T138 R27 we set a 2x20" stake for temp cor & run in sec 2 T138 R27 N 45° E 10.50 ft to a 4" pop then W & S to cor then in sec 3 T138 R27 run S 15° W 15 ft to a 3" pop then E & S to corner var 8° E. At the N 1/16 cor bet sec 10 & 11 T138 R27 we set a 2x20" stake for temp cor & run in sec 10 T138 R27 run N 38° W 10.50 ft to a 4" pop then E & S to corner var 7° 30' E. At the S 1/16 cor bet sec 14 & 15 T138 R27 we set a 2x20" stake for temp cor & run in sec 14 T138 R27 N 73° E 6.00 ft to a 5" pop then W & S to corner then in sec 15 T138 R27 run N 17° W 12 ft to a 3" pop then E & S to corner var 7° 30' E. At the N 1/16 cor bet sec 34 & 35 T138 R27 we set a 2x20" stake for temp cor & run in sec 35 T138 R27 S 86° E 15 ft to a 2 1/2" oak then W & S to corner then in sec 34 T138 R27 run N 26° W 9.00 ft to a 2" pop then E & S as a check to the corner var 8° E.

Survey finished checked & recorded
July 28, 1922.

John W. Ruro As Surveyor.

Section

Town

Range

T 44- R 28	T 44- R 28	T 44 R 28	T 44 R 28
(17)	(16)	(5)	(4)
(20)	(21)	(8)	(9)
T 44 R 28	T 44- R 28	T 44 R 28	T 44 R 28
T 44 R 28	T 44 R 28	T 44 R 28	T 44 R 28
(25)	(30)	(28)	(27)
(36)	(31)	(33)	(34)
T 44 R 29	T 44 R 28	T 44 R 28	T 44 R 28

FIELD NOTES.

At the corner to sec 4-5-8-9 T 44 R 28 we check in a 2x48 inch iron monument with a 3 1/2 inch round flat cap & set for the true corner then check on witness bearings we run in each sec to 2x48 inch iron monuments with 3x4 inch oblong flat caps as shown by their annexed plat.

At the corner to sec 16-17-28-29 T 44 R 28 we check in a 2x48 inch iron monument with 3 1/2 inch round flat cap & set for the true corner then check on witness bearings & run in each section to 2x48 inch iron monuments with 3x4 inch oblong flat caps as shown by annexed plat.

At the corner to sec 25-30-31-36 T 44 R 28 & 29 we check in a 2x48 inch iron monument with 3 1/2 inch round flat cap & set for the true corner then to check on witness bearings we run in each section to 2x48 inch iron monuments with 3x4 inch oblong flat caps as shown by annexed plat.

At the corner to sec 28-33-34 T 44 R 28 we check in a 2x48 inch iron monument with 3 1/2 inch round flat cap & set for the true corner then check on witness bearings we run in each section to 2x48 inch iron monuments with 3x4 inch oblong caps as shown by annexed plat.

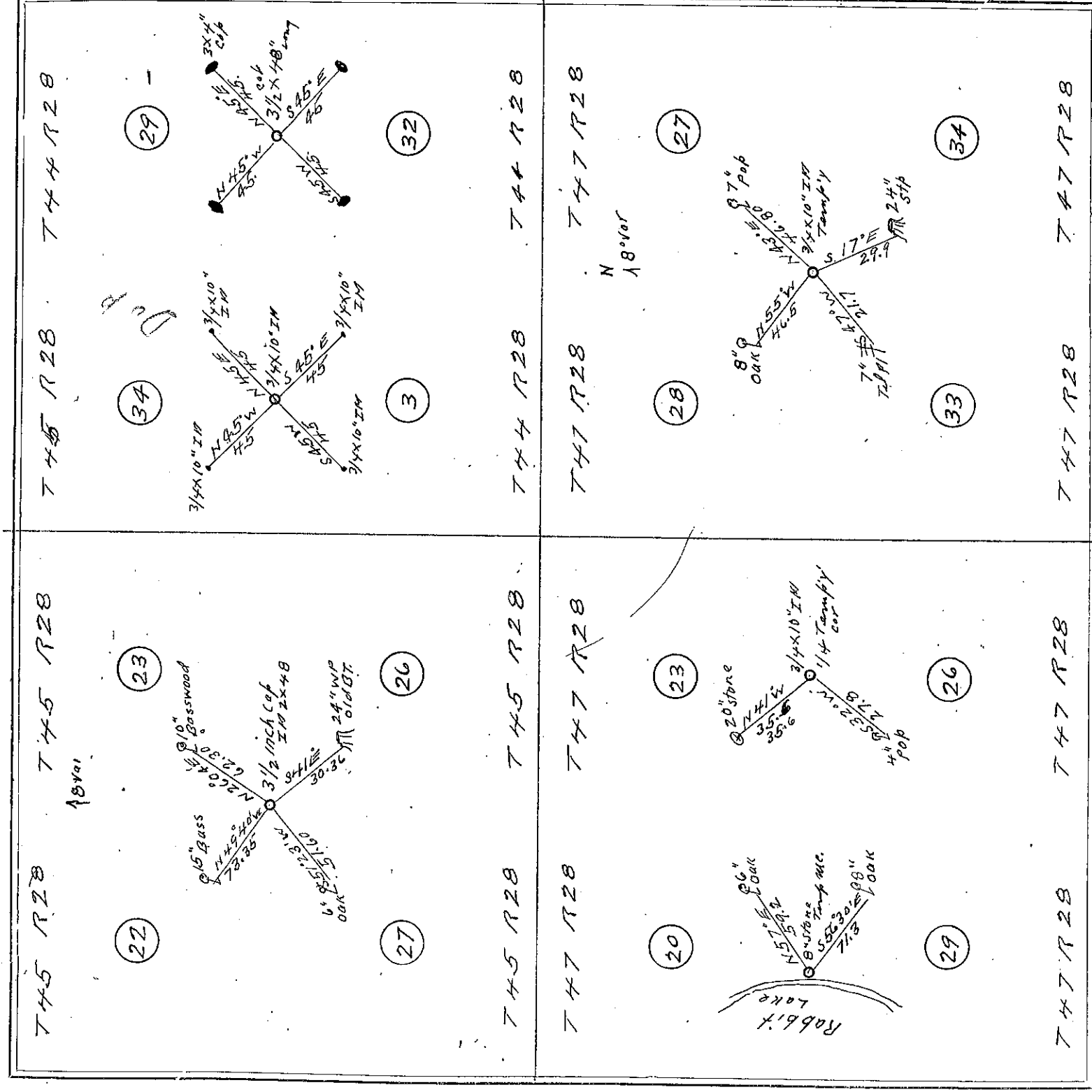
Survey finished, checked and recorded,
 Aug 22-1922.
 John W. Curro Co. Surveyors.

SURVEY No. 393

Section

Town

Range



FIELD NOTES.

At the 4 cor bet sec 22 & 32 T44R28 we check in a 2x48 inch iron monument with a 3 1/2 inch round flat cap set for the true corner then check on witness bearings we run in each section to a 2x48 inch iron monument with a 3x4 inch oblong flat cap as shown by annexed plat.

At the 4 corners bet sec 34 T44R45 & R28W we set in a 3/4 x 10 inch iron set for the temporary true cor then to check on witness bearings we run in each section a 3/4 x 10 inch iron as shown by this plat.

At the cor to section 22-23-26-27 T45R28 we check in a 2x48 inch iron monument with a 3 1/2 inch round oval cap set for the true corner then run in each section to check on new bearings as shown by this plat.

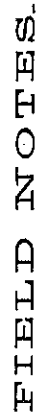
At the U.S.M.L. on E side of Rabbit Lake bet sec 20 & 29 T47R28 we set an 8 inch stone for the temporary corner then run in each section to establish new bearings as shown by this plat.

At the 4 corner bet sec 23 & 26 T47R28 we set a 3/4 x 10 inch iron for the temporary corner then take new bearings & run in each section as shown by this plat.

At the cor to sec 27-28-33-34 T47R28 we set a 3/4 x 10 inch iron for the temporary cor then take new bearings & run in each section as shown by this plat.

Survey finished checked & recorded
Aug 7-1922
John W. Rurs, Co Surveyor.

Section _____ Town _____ Range _____



At the E corner to seen 13 & 24 T 47 R 28 - we set a $3/4 \times 10$ inch iron for the temp cor then run to new bearings in each set as shown by the above plat. At the $1/4$ corner bet seen 26 & 38 T 43 R 29 - we set a $3/4 \times 10$ inch iron for the temp cor then run to new bearings in each set as shown by plat herewith. At the $1/4$ cor bet seen 26 & 27 T 44 R 29 we set a $3/4 \times 10$ inch iron for the temp cor then run to new bearings in each set as shown by plat herewith. At the $1/4$ cor bet seen 2 & 3 T 43 R 29 we set a $3/4 \times 10$ inch iron for the temp corner then run in each set to new bearings as shown by this plat. At the U.S.M.P. on West side of Long Lake bet seen 22 & 23 T 43 R 30 - we set a $3/4 \times 10$ inch iron 100 ft from lake for the temp M.P. then run to new bearings in each section as shown by the plat. At the $1/4$ cor bet seen 1 & 36 T 43 & 44 R 30 W we set a $3/4 \times 10$ inch iron for the temp cor then run to new bearings in each set as shown by this plat. At the 44 R 30 we check in a 1×24 inch iron set for the temp cor then run to new bearings in each set as shown by the plat herewith. At the East cor bet seen 25 & 36 T 47 R 28 we set a $3/4 \times 10$ inch iron for the temp corner then run to new bearings in each section as shown by plat herewith.

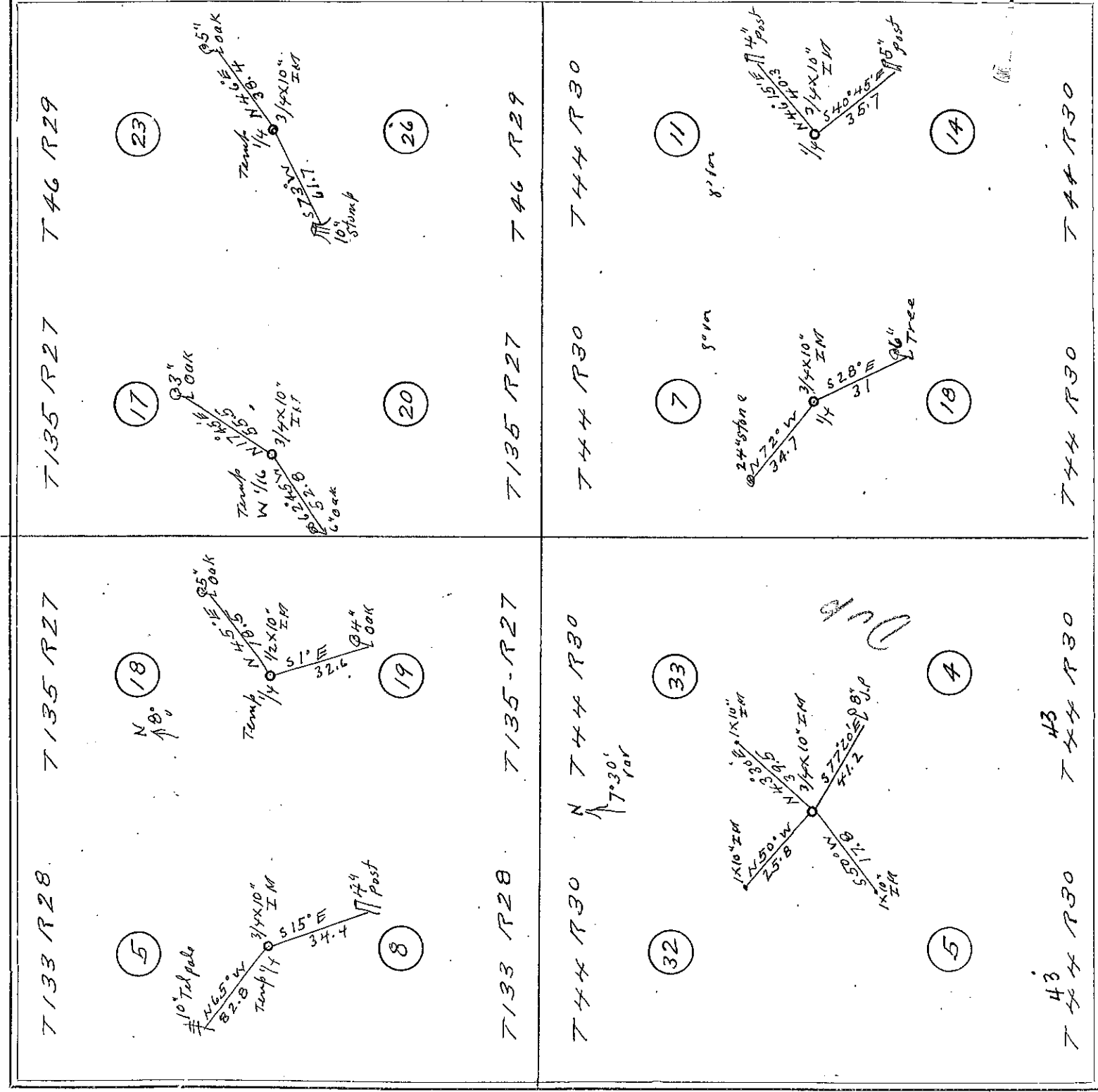
Survey finished checked & recorded

Aug 6 - 1422

Aug 6-1865
John W. Puro & Co Surveyors.

SURVEY No. 395

Section Town Range



FIELD NOTES.

At the 1/4 cor bet sec 23 & 26 T 46 R 29 we set a 3/4 x 10" iron for the temp cor then take new bearings & run in each sec as shown by plat as shown by the plat herewith.

At the W 1/4 corner bet sec 17 & 20 T 135 R 27 we set a 3/4 x 10" iron for the temp corner then take new bearings & run in each sec as shown by plat.

At the 1/4 cor bet sec 18 & 19 T 135 R 27 we set a 3/4 x 10" iron for temp cor then run in each sec to new bearings as shown by this plat.

At the 1/4 cor bet sec 5 & 8 T 133 R 28 we set a 3/4 x 10" iron for temp cor then take new bearings & run in each section as shown herewith.

At the cor to sec 45-32-33 T 43 & 44 R 30 we set a 3/4 x 10" iron for the temp cor then run to new bearings as shown by this plat.

At the 1/4 cor bet sec 7 & 18 T 44 R 30 we set a 3/4 x 10" iron for temp corner then run to new bearings in each sec as shown by this plat.

At the 1/4 cor bet sec 11 & 14 T 44 R 30 we set a 3/4 x 10" iron for the temp corner then take new bearings & run in each sec as shown by plat.

Survey finished checked and recorded August 18-1922

John W. Curo Co. Surveyors.

Section

Town

Range

SULLY ELINO 396

T 44-R31	T 44 R31	T 44 R31	T 44 R31
(31)	(32)	(33)	(34)
2670-2 Twp Cor	2641.8 1/4	2641.8 1/4	2641.8 1/4
T 43-R31	T 43 R31	T 43-R31	T 43 R31
(6)	(5)	(4)	(3)
T 44 R31	T 44 R31	T 44 R31	T 44 R31
(19)	(20)	(35)	(36)
3/4x10" Iron	3/4x10" Iron	2645.95 1/4	2645.95 1/4
(30)	(29)	(2)	(1)
T 44-R31	T 44 R31	T 43 R31	T 43 R31

FIELD NOTES.

Survey extends over a part of sections 1-2-3-4-5-6 T43R31 & sec 19-20-29-30 31-32-33-34-35-36 T44R31. We run a perfect double center transit line across the whole south side of Twp 44R31 missed the Twp corner nine tenths of a foot - then corrected back. That is we run 5 1/2 miles of it.

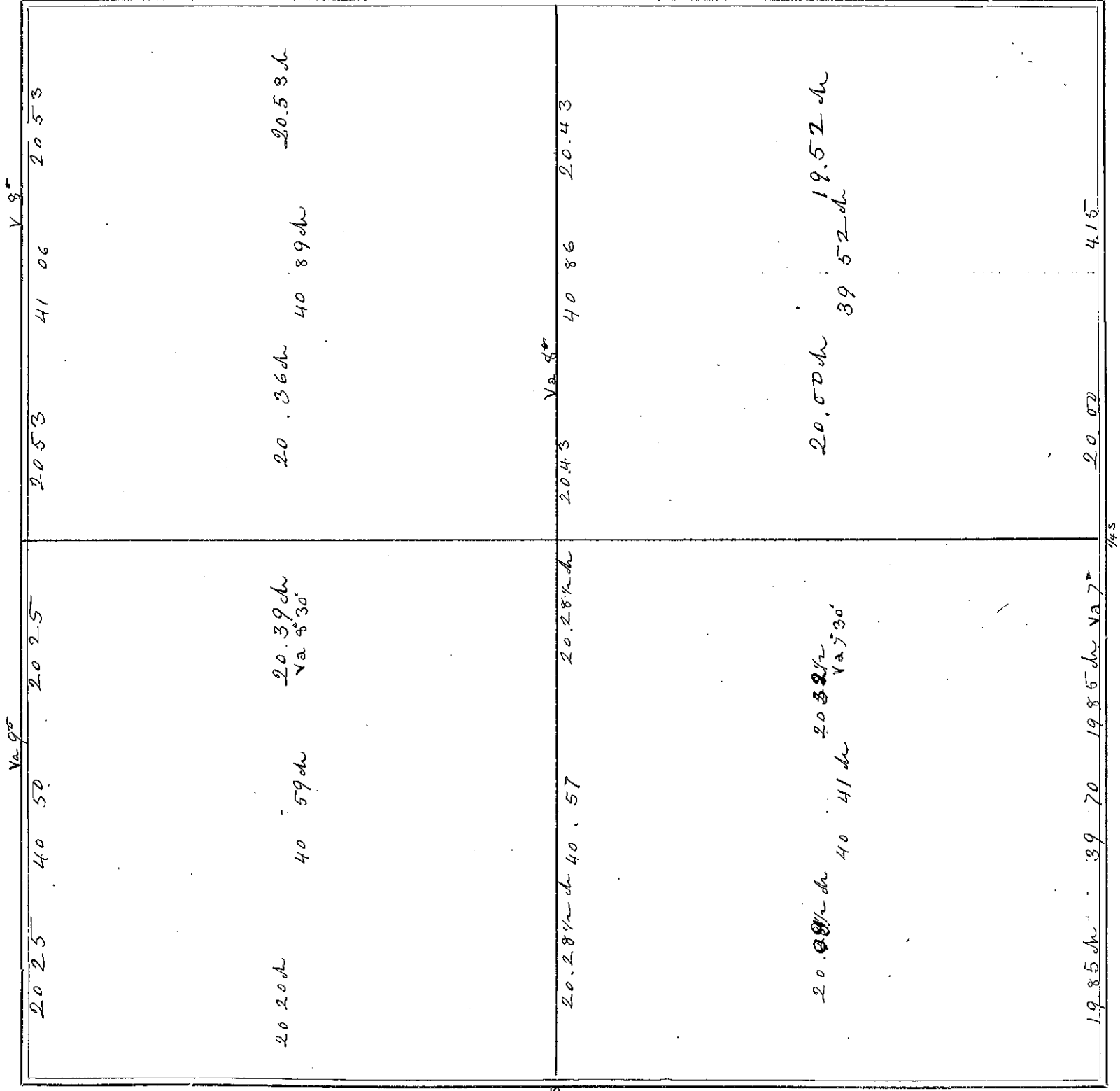
We began at the 1/4 corner bet sec 1 & 36 T43 & 44 R31 W where we set the true 1/4 cor from both old U.S. bearing trees which are still there. First we run a random line 1 1/2 miles W & then found we were (almost exactly) 4 degrees too far south - then corrected back & run a second random West which hit out nine tenths of a foot North of the S.W. cor T44R31 then corrected back. We found traces of old U.S. bearing trees at every U.S. corner along the entire dist except at the corner to sec 4-5-32-33 which we established. Not E. This line was is perfectly straight the U.S. surveyors must have used an engineers transit in the original survey and the measurements were almost perfect being a trifle longer East of SW cor of sec 35 than it was West of the same point where we found the old U.S. cor plainly marked coming in the center (about) of N & S graded road. At the cor to sec 19-20-29-30 T44R31 we check in an old iron mark, almost in the center of N & S graded road and as this was first set by Co. Surveyors more than 30 yrs ago & has been used & recognized by all county surveyors since that time & as there still appears to be remains of old bearing bk for distance & course with this cor we accept it as correct & set new bearings to hold point temporarily as shown which is a part of this record shown. We make the survey in the above sections as shown by this plat.

Survey finished checked and
recorded August 10-1922

John W. Ruro Co. Surveyors.

SURVEY No. 121

Section 14 Town 13.6 Range 29 W 5th mer



Jan 4 1902

FIELD NOTES.

Auditors --- of
of Survey

Section 13 Township No. 44 N. Range 28. W. 4th, P.M8.
Using the West 1/8 Line of the N.W. 1/4 of Sec. 13 T. 44. R. 28.
For a Base Line. I ran as follows. Auditors Lot (1)

Commencing @ a Point 516.1 ft. South of the N.W. Cor.
of Government Lot No. (1) Thence East 1970 ft. to a point upon
West Shore of Mill Lac's Lake, Thence N 58.30° E. 370 ft. to M.C.
for which an Elem 8" S E. 11.8"

Linden 16" N E. 71. are the Bearings.

Thence West along Sec. line between Sec. 12-13 2172.7 ft.

to 1/16 Post between Sec. 12-13 Thence South upon Base line

316.1 ft. to place of beginning.

Said tract to be known as Auditors Lot (1) of Gov. Lot (1)
and containing 15.03 A.

Auditors Lot (2) -----

Commencing at a point 599.2 South of the N.W. Cor. of Gov. Lot (1)
Thence East 1793. ft. to a point upon West Shore of Mill Lac's Lake
Thence N 59.47° E. 329.7. ft. to a point, which is the S.E. Cor. of
Auditors Lot (1) of Gov. Lot (1).
Thence West 1970. ft. to Base line
Thence South along base line 283.1 ft. to place of beginning,
Said Tract to be known as Auditors Lot (2) of Gov. Lot (1)
and containing 12.28 A.

Auditors Lot (3) -----

Commencing at a point 882.3 ft. South of the N.W. Cor. of
Gov. Lot (1). Thence East 1334. ft. to a point upon West Shore of
Mill Lac's Lake Thence N 61.21° E. 321.6 ft.
Thence West 1793. ft. to Base line. Thence South along base line
283.1 ft. to place of beginning.
Said Tract to be known as Auditors Lot (3) of Gov. Lot (1).
and containing 11.14 A.

F I E L D -----NOTES

of
Auditors -----Survey
of

Section 13. Township No. 44. N. Range. Continued.

Auditors. Lot (4)

Commencing at a Point. 132). 4' ft, South of the N.W. Cor. of Gov. Lot (E
which is the S.W. cor. of Gov. Lot (1)
Thence East 1420' ft. to a point upon the West Shore of Mill-Lac's
Lake. Thence N 63.40' E. 494.1' ft, to the S.E. Cor. of Auditors Lot (3)
Thence West 1634. ft, to Base Line. Thence South along Base Line
438.1 ft, to place of beginning.

Said Tract to be known as Auditors Lot (4)

Containing 15.32 A.

Subdivision of Government Lot No. (2)

Auditors Lot (1)

Beginning at a point, 591.5 ft, North of the S.W. Cor. of
Government Lot (2). Thence N 90.55' E. 920.1 ft, to a point.
Thence West 920.4' to a point, upon Base Line,
Thence South along Base Line 7.7 ft, to place of beginning.
Said Tract to be known as Auditors Lot No. (1) of Gov. Lot No. (2)
and containing 0.13 A.

Auditors Lot No. (2)

Beginning at a point. 599.2 ft, North of the S.W. Cor. of Government
Lot No. (2). upon Base Line,
Thence East 920. ft, to a point,
Thence North 50' ft,
Thence N 90.55' E. 169.6 ft, to a point, upon W. Shore of Mill Lacs.
Thence N 68.20' E. 253.6 ft. to a point,
Thence West 1191. ft, to a point upon base line,
Thence South along Base Line 283.1 ft to place of Beginning.

Said Tract to be known as Auditors Lot No. (2) of Gov. Lot No. (2)

and containing 7.16 A.

F I E L D ---OF---NOTES

Section 15 Township No. 44. Range 28. continued.

Auditors Lot.(3) Gov. Lot. 2.

Beginning at a point, 599.2 ft. North and 920. ft, East of the

S.W. Cor. of Gov. Lot (2).

Thence N 90.55'E. 150. ft, to a point upon West bank of Mill Lacs Lake.

Thence N 68.20' E 51.5' ft, to a point.

Thence S 89.05' W. 169.6' ft, to a point.

Thence South 50' ft, to place of Beginning.

Said Tract to be known as Auditors Lot No.(3) of Gov. Lot No.(2)

and containing 0.18 A.

Auditors Lot No.(4) Gov. Lot No. (2).

Beginning at a point. 882.3' ft, North of S.W. Cor. of Gov. Lot No.(2).

upon Base Line.

Thence East 1191. ft, to a point upon West Shore of Mill Lacs Lake.

Thence N 66.17'E. 309.2 ft, to a point.

Thence West 1323. ft, to a point upon base line.

Thence South along base line 283.1' ft, to place of beginning.

Said Tract to be known as Auditors Lot No.(4) of Gov. Lot No.(2)

and containing 8.17 A.

Auditors Lot No.(5) of Gov. Lot No.(2)

Beginning at a point. 1165.4' ft, North of the S.W. Cor. of Gov. lot (2)

upon Base Line.

Thence East 1323' ft, to a point upon West Shore of Mill Lacs Lake.

Thence N 63.40'E. 1198' ft, to a point.

Thence West 1420' ft, to a point upon Base Line.

Thence South along Base Line 155' ft, to place of Beginning.

Said Tract to be known as Auditors Lot No(5) of Gov. Lot No.(2).

and containing 4.87 A.

4
FIELD NOTES
of

AUDITORS SURVEY
OF

Section No. 13. Township No. 44 N. Range 28. W. 4th, P.M.

Subdivision of THE S.W. 1/4 of the N.W. 1/4.

Beginning at a Point 575' ft. North of 1/4 Post between Sections

13 & 14. T. 44. R. 28.

Thence S 91.41' E. 1322.7' ft. to N & S. 1/8 line

1/4

Thence North upon 1/8 line 745.4' ft. which is the cor. S.W. 1/4 N.W. 1/4

Thence West upon 1/8 line 1322.7' ft. to Sec. Line.

Thence South along Sec. line ~~NCV.~~ 745.4 ft. to place of beginning.

Said Tract to be known as Auditors Lot No. (1) of ~~the S.W. 1/4 N.W. 1/4.~~

and containing .25.70 A.

Subdivision of Government Lot No. (5)

beg. at a point 575. ft. South of 1/4 post bet. Sec. 13 & 14. T 44 R 28.

Thence S 91.41 E. to a point upon West Bank of Mill Lacs Lake.

Thence S 97 W. 725 ft.

Thence S 61 E 50' ft.

Thence N 88.19' W. 2023' ft. to 1/16 post bet. sec. 13 & 14 T 44 R 28

Thence North along Sec. line bet. Sec. 13 & 14 757.2' ft.

to place of beg. and to be known as Auditors Lot No. (1) of Gov.

Lot No. (3) and containing 32.74 A.

AUDITORS LOT OF GOVERNMENT LOT (4)

Beginning at 1/16 post bet. Sec. 13 & 14 T 44 R 28.

Thence S 91. 42' E. 2023' ft to shore of Mill Lacs Lake.

Thence S 61 E. 1527 ft. to M. Cor. bet. Sec. 13 & 24. T 44 R 28.

for which I set an Iron Monument 1 in. by 12 in. from O. Bearings.

Established a New Bearing Br. Oak 10. S 63 W. 20.8' ft.

Thence West along Sec line bet. Sec. 13 & 24. ~~ZNM.~~ 2738.6' ft.

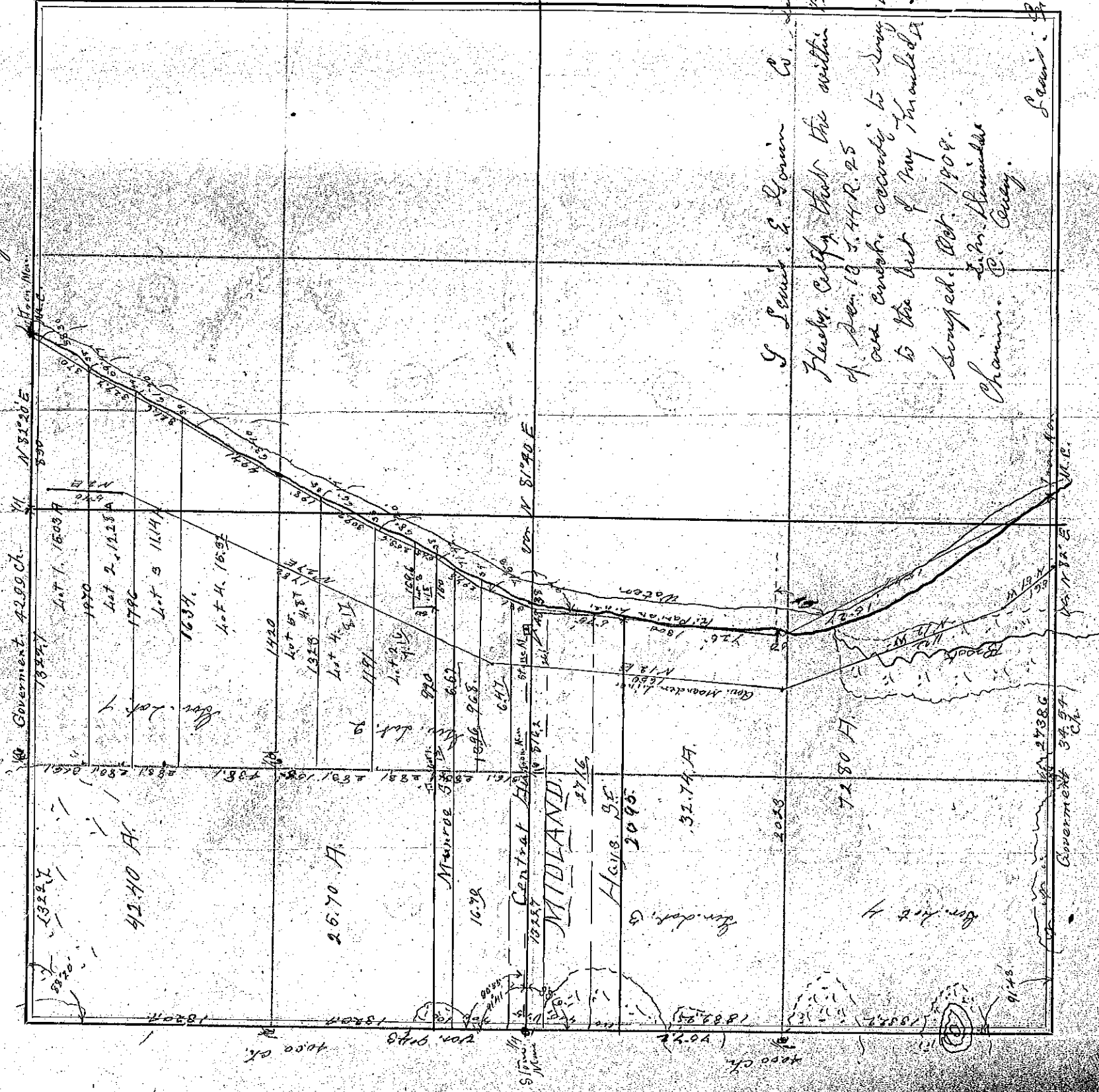
To Cor. of Sec's. 13-14-23 & 24 T. 44. R. 28.

For which the Original Bearings are standing.

Thence North 1332.2 ft. to 1/16 post. being place of beginning.

and containing 72.80 A. according to the Survey thereof.

Section 13 Town 44 Range 28



FIELD NOTES.

went to an outfit of the
Auditor's Hotel Oct. 7th 1909
with a Condition Survey of Sec 13
P. 28. W 4 P. M.
and took the Original Records for
Section 13-14 22-24 since in earlier
to same. and took out several
current Records. ran Exp. by. M
on N 22 2
Sample: N 2 - 3 4

Simple
Double Flange North
Brass

Read N & S.
 M. C. - upon West Shore of
 Lake.
 C. Oak: from south of Mt. M. C.
 near Mount Gay 13.

12. Number 74 X 12.
 Over Blaney Br. 10° S 68° W 208'
 13. Cr. Sec. 13-14-23-24 T 44 R 28
 14. 15-16-10 W this Badde Lane
 15. Ex W

Road and flag across upper
 336 west the Flag secolo
 mile across Paul 3247.5162
 5 mile long.
 not fixed
 13-5W

26644 Feb 14 Rec. Cw.

Send C. B. and Stone receipt. 2 x 8 x 3
Grove. North on same line. Then
to 5000 feet high

100 530	Est. Surf
" 850	beam
" 26408	Instrument line to Sec. 11420814 B&O
Est. Port.	from O. B. Oak. S. W. landy. etc.
Establish New Veary Co.	Pr. Port. 4 Nov 25 0225
"	" 711 36340 1010
Angled. R. 91' 30' 3"	= 118220' 8"
@ 100' Est. Surf.	Pr. R.

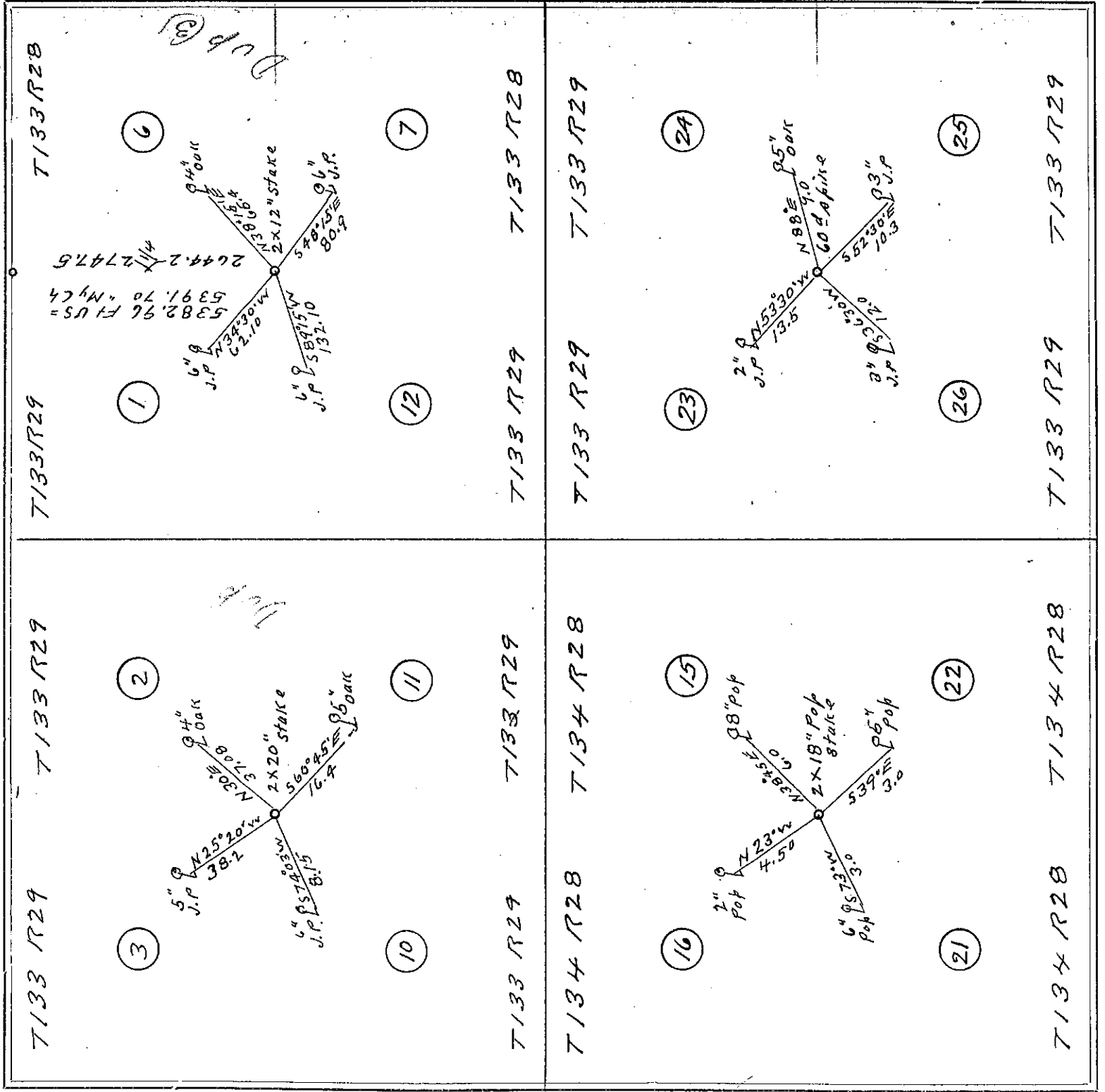
" 1300 Cove
 " 13227 Sub. 18 Post
 " 20466 Sub. 14 Sub. Post from O. B. W. P. 342 360
 Kew Earth
 @ 800' Gravel. Rapana live on that. Sub. of
 Well Lead Sub. O. B. Sub. Post
 Established a Elm. 8" 369 1/2 11.9 2400
 Laid 16" 161 1/2 2.71

Sub. Ocean trench. $7\frac{1}{2} \times 3'$
 I then went to 14 Post below Sec 13-1/2
 and With an angle of $91^{\circ} 41'$ near East.
 @ 13.22.7 Sub. 14 Post @ 816.2 At S.W. =
 26.1 South of A. Shina trench X @ 43 P.M. line
 making balance from 14 Post to Pyrami line 2191.9
 I then Sub. Transit @ 40 Post when S.W. line
 Angled With $91^{\circ} 40'$
 and Ran this $\frac{1}{8}$ line from Base to West line
 of Rev. Solo 10.2.
 @ 22.40.8 Sub. 15 Post 11'

Oct. 1931

SURVEY NO. 397

Section Town Range



FIELD NOTES.

Survey extends over a part of sec 6-7 T133 R28 of sec 15-16-21-22 T134 R28 & sec 1-2-3-10-11-12-23-24-25-26 T133 R29. At the cor to sec 23-24-25-26 T133 R29 we set a 60 d spike for temp as then take new bearings & run in each sec as shown by this plat. At the cor to sec 15-16-21-22 T134 R28 we set a 2x18" stake for temp as then take new bearings & run in each sec as shown by this plat. At the U.S. Top corner to Supr 133+134 & Rgn 28+29 we find a small old iron established for the true cor from which we run South on random line bet sec 1 & 6 to the cor of sec 1-6-7-12 T133 Rgn 28+29 where I run in all space to old bearing trees as shown by this plat & re-establish the true corner there correct my random to the true line. This survey was made with extreme accuracy with a higher transit in perfect adjustment & a steel tape carefully used viz 5382 ft U.S. chain 5391.70 my chain & the 1/4 corner bet sec 1 & 6 as shown by this plat is correctly placed.

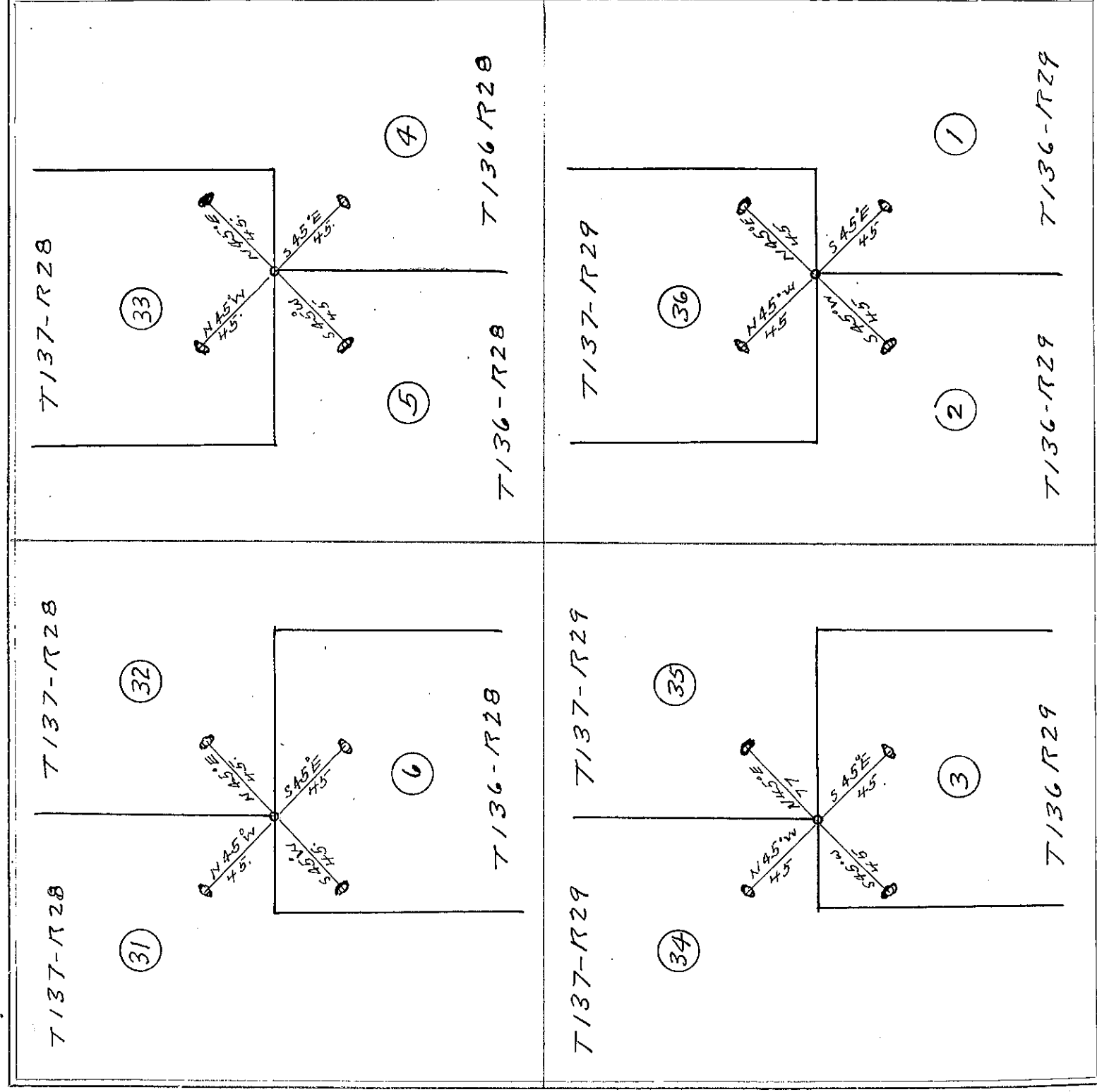
Survey finished. Checked and recorded August 12-1922

Aug 12-1922
John W. Rurs Co Surveyor.

SURVEY No. 398

Section - Town

Range



FIELD NOTES.

At the North corner to sections 4 & 5 T/36 R 28 being the South line of sec. 33 T/37 R 28 we check in the 5 iron monuments & run in each sec as shown by this plat. The corner is marked by a 2x48" iron having a round oval cap & the 4 witness bearing monuments are 2x48" with oblong oval cap 3 1/4 x 4 3/4 inch stand as shown by this plat.

At the South corner to sec. 31 & 32 T/37 R 28 being the North line of sec. 6 T/36 R 28 we check in the 5 iron monuments running in each sec as shown by this plat. The corner is marked by a 2x48" iron having a 4 inch round oval cap & the 4 witness bearings are 2x48 inch iron with oval oblong caps 5 1/4 x 4 3/4 inch and stand as shown herewith.

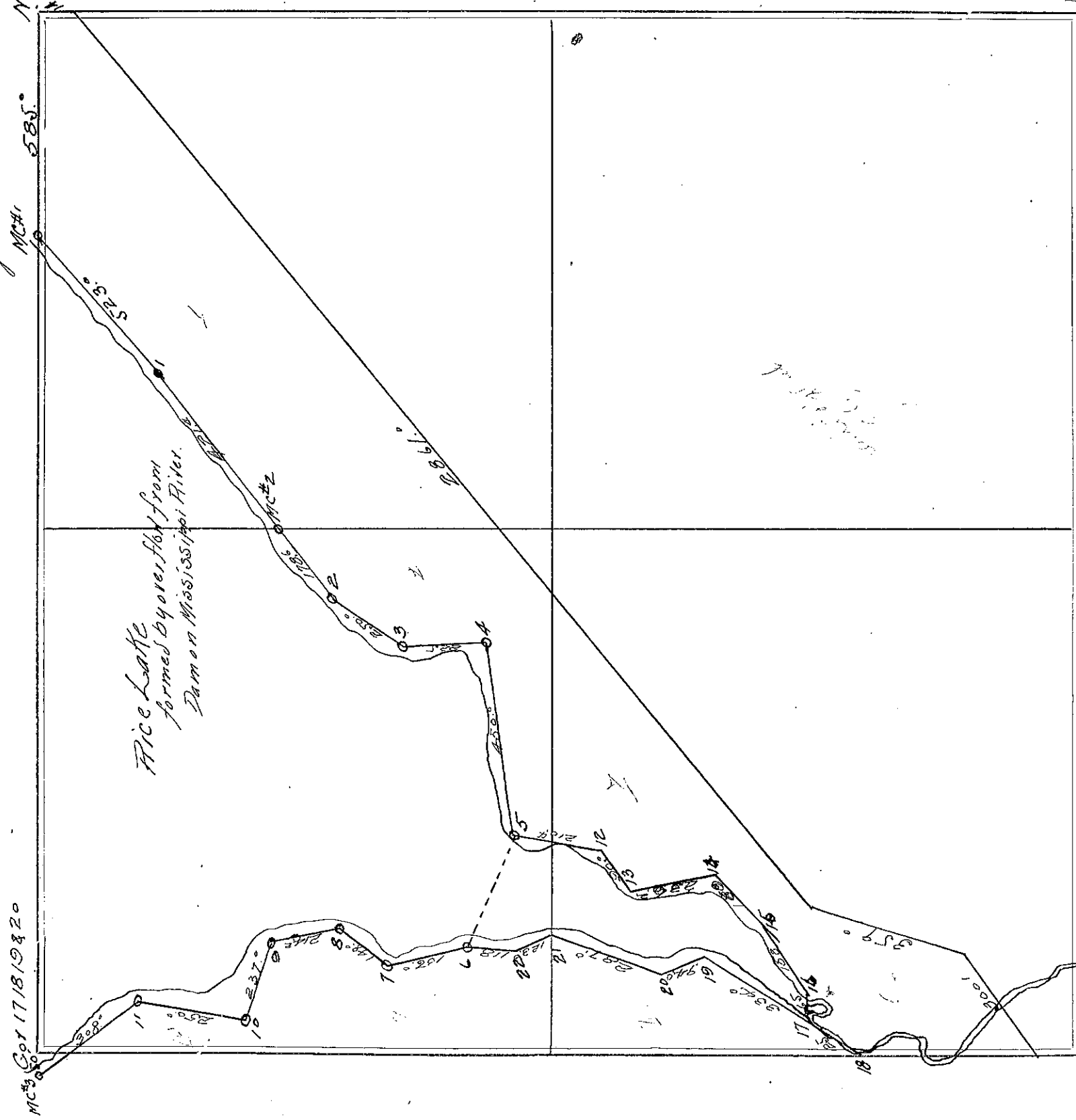
At the South cor of sec. 34 & 45 T/37 R 29 being the North line of sec. 37 T/36 R 29 we check in the 5 iron monuments & run in each sec as shown by this plat. The cor is marked by a 2x48" iron having a 4" oval round cap & the 4 witness bearings are 2x48" iron with 3 1/4 x 4 3/4" oval oblong caps and stand as shown.

At the North cor of sec. 14 & 2 T/36 R 24 being the South line of sec. 56 T/37 R 29 we check in the 5 iron monuments & run in each sec as shown by this plat. The corner is a 2x48" iron having a 4" round oval cap & the 4 witness bearings are 2x48" having a 3 1/4 x 4 3/4 inch oblong oval caps as shown by annexed plat.

Survey finished checked & recorded
August 17 1892

John W. Russ No. Surveyor.

Section 20 Town 45 Range 30 N 47W
 34 17 18 19 20 N 41 N 42W

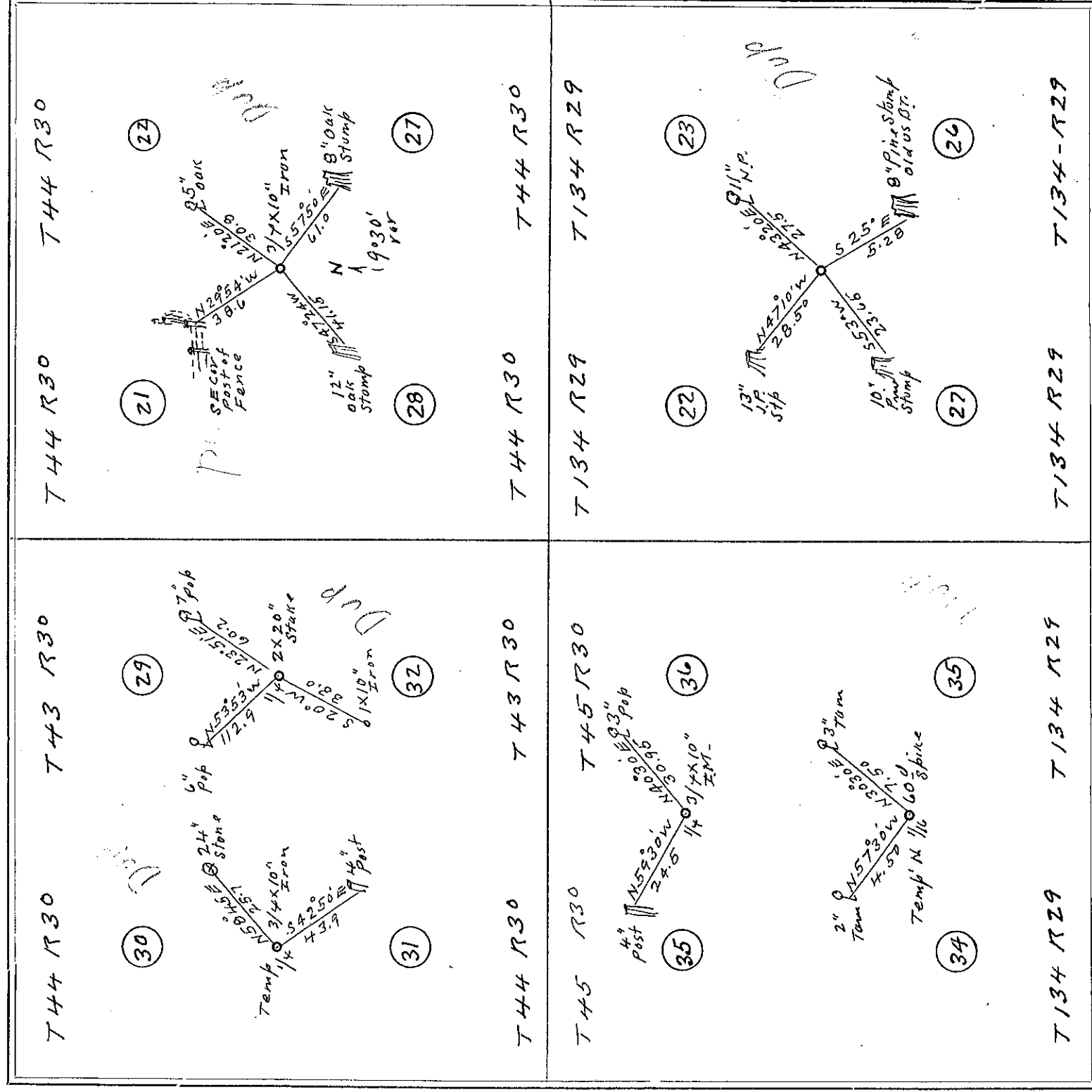


FIELD NOTES.

SURVEY No 399

Section Town

Range



FIELD NOTES.

At the corner to sec 2-22-27-28 T 44 R 30 we set in a 3/4 x 10" iron set for temp cor then take new bearings & run in each sec as shown by the plat herewith.

At the 1/4 corner bet sec 29 & 32 T 43 R 30 we check in a 2 x 2" stake set for temp cor from which we run to new bearings in each sec as shown by this plat.

At the 1/4 cor bet sec 30 & 31 T 44 R 30 we set in a 3/4 x 10" iron set for temp cor from which we run to new bearings in each sec as shown by this plat.

At the 1/4 cor bet sec 35 & 36 T 45 R 30 we set in a 3/4 x 10" iron set for temp corner from which we run to new bearings in each sec as shown by this plat.

At the 1/16 cor bet sec 34 & 35 T 134 R 29 we check in a 6 d spike set for temp cor from which we run to new bearings in each sec as shown by this plat.

At the cor to sec 22-23-26-27 T 134 R 29 we set in a 3 x 20" stake set for temp cor from which we run to new bearings in each sec as shown by this plat.

Survey finished checked & recorded.
August 15, 1922.

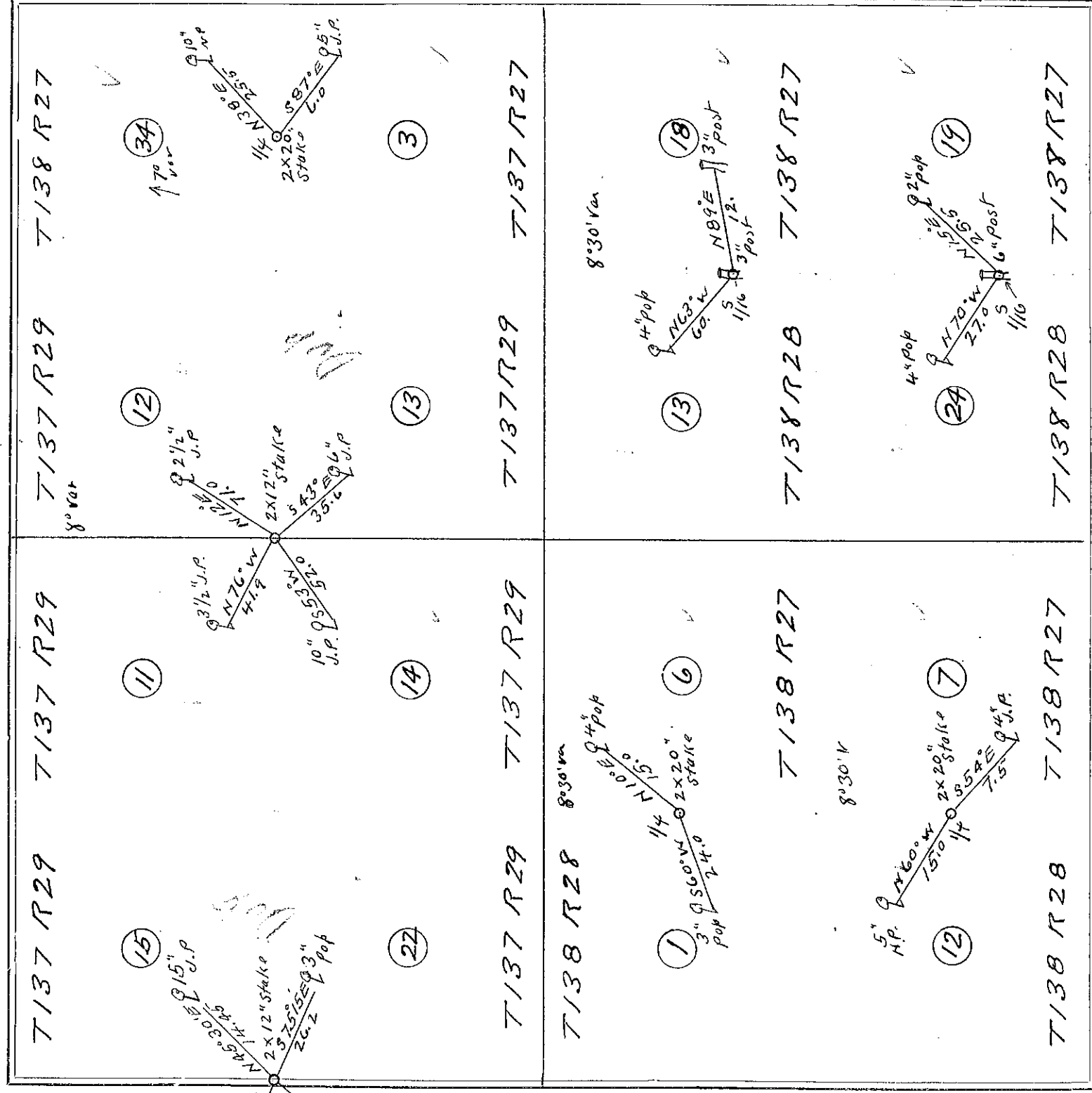
John W. Burr Co Surveyors.

SURVEY No. 400

Section

Town

Range



FIELD NOTES.

At the 14 cor bet sec 3 & 34 T 137 & 138 R 27 W we set a 2x20" stake for the temp cor then run to new bearing tree in each section as shown herewith. At the cor to sec 17-12-13-14-T137 R29 we set a 2x12" stake for the corner then take new bearings & run in each sec as shown by this map.

At the West cor to sec 15 & 22 T 137 R 27 on the county line we set a 2x20" stake then run to new bearing tree in each sec as shown by this map.

At the 14 cor bet sec 1 & 6 T 138 & 139 R 27 & 28 W we set a 2x20" stake for the temp cor then run in each sec to new bearings as shown by annexed plat.

At the 14 cor bet sec 7 & 12 T 138 & 139 R 27 & 28 W we set a 2x20" stake for the temp cor from which we take new bearings & run in each sec as shown by this plat.

At the S 1/2 cor bet sec 13 & 18 T 138 & 139 R 27 & 28 W we set a 3" post for the temp cor from which we take new bearings & run in each sec as shown by plat.

At the S 1/2 cor bet sec 19 & 24 T 138 & 139 R 27 & 28 W we set a 6" post for the temp cor from which we take new bearings & run in each sec as shown by annexed plat.

Survey finished checked & recorded
August 16-1922

John W. H. S. Co. Surveyors.

SURVEY No.

Section

Town

Range

FIELD NOTES.

No 124

See Blue Print of Secs
18 and 19 T135-28 and
Sec 24-135-29 fastened
to this page.

Section.

Learn.

Range.

Hand-drawn surveying diagrams for four corners of a property. Each corner shows a line from a stake to a post, with bearings and distances. The corners are labeled with circled numbers 13, 14, 17, and 18. The diagrams include bearings like N 40° E, N 70° E, N 30° W, and N 40° W, and distances like 27.0, 15.0, 12.0, and 10.5. The corners are also labeled with 'T 137 R 28' and 'T 138 R 27'.

Corner 13: 8" P. Stake, N 40° E 27.0, N 10° W 1/4, 2x20" Stake, 8° 13

Corner 14: 8" P. Stake, N 70° E 15.0, N 20° W 1/4, 2x20" Stake, 8° 14

Corner 17: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 17

Corner 18: 8" P. Stake, N 40° E 10.5, N 10° W 1/4, 2x20" Stake, 8° 18

Corner 19: 8" P. Stake, N 70° E 15.0, N 20° W 1/4, 2x20" Stake, 8° 19

Corner 20: 8" P. Stake, N 40° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 20

Corner 21: 8" P. Stake, N 30° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 21

Corner 22: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 22

Corner 23: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 23

Corner 24: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 24

Corner 25: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 25

Corner 26: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 26

Corner 27: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 27

Corner 28: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 28

Corner 29: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 29

Corner 30: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 30

Corner 31: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 31

Corner 32: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 32

Corner 33: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 33

Corner 34: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 34

Corner 35: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 35

Corner 36: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 36

Corner 37: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 37

Corner 38: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 38

Corner 39: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 39

Corner 40: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 40

Corner 41: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 41

Corner 42: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 42

Corner 43: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 43

Corner 44: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 44

Corner 45: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 45

Corner 46: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 46

Corner 47: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 47

Corner 48: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 48

Corner 49: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 49

Corner 50: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 50

Corner 51: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 51

Corner 52: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 52

Corner 53: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 53

Corner 54: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 54

Corner 55: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 55

Corner 56: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 56

Corner 57: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 57

Corner 58: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 58

Corner 59: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 59

Corner 60: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 60

Corner 61: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 61

Corner 62: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 62

Corner 63: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 63

Corner 64: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 64

Corner 65: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 65

Corner 66: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 66

Corner 67: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 67

Corner 68: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 68

Corner 69: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 69

Corner 70: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 70

Corner 71: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 71

Corner 72: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 72

Corner 73: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 73

Corner 74: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 74

Corner 75: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 75

Corner 76: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake, 8° 76

Corner 77: 8" P. Stake, N 30° E 12.0, N 40° W 1/4, 2x20" Stake, 8° 77

Corner 78: 8" P. Stake, N 40° E 10.5, N 40° W 1/4, 2x20" Stake,

FIELD NOTES

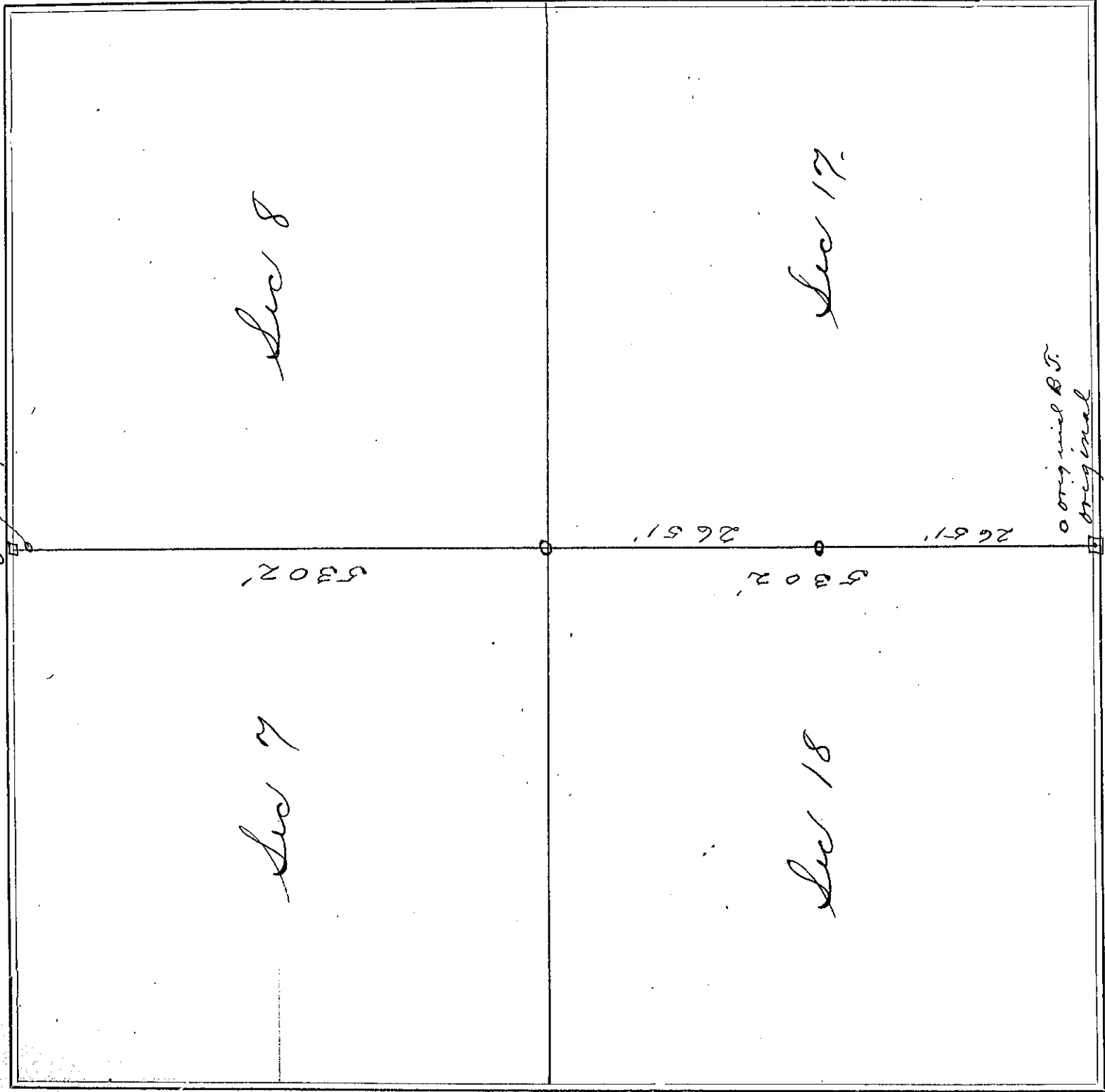
At the South $\frac{1}{4}$ cor bet sec 25 & 30 T138 R27 & 28 we set a 2x20" stake for the temp cor & run to new bearings in each sec as shown by this plat.
At the N $\frac{1}{4}$ cor bet sec 4 & 5 T138 R27 we set a 2x20" stake for temp cor & run to new bearings in each section as shown by this plat.
At the $\frac{1}{4}$ cor bet sec 13 & 18 T137 R27 & 28 we set a 2x20" stake for temp cor & run to new bearings in each sec as shown by this plat.
At the $\frac{1}{4}$ cor bet sec 19 & 24 T137 R27 & 28 we set a 2x20" stake for the temp cor then run in each sec to new ties as shown
At the $\frac{1}{4}$ cor bet sec 25 & 30 T137 R27 & 28 we set a 2x20" stake for the temp cor from which we run to new bearings in each sec as shown
At the $\frac{1}{4}$ cor bet sec 31 & 36 T137 R27 & 28 we set a 2x20" stake for temp cor then run in each section to ties as shown.
At the N $\frac{1}{4}$ cor bet sec 8 & 9 T138 R27 we set a 2x20" stake for the temp cor then run to ties in each section as shown.
At the N $\frac{1}{4}$ cor bet sec 16 & 17 T138 R27 we set a 2x20" stake for temp cor & run in each section to ties as shown by this plat.

Survey finished checked
and recorded
August-18-1922.

John W. Lewis Co Surveyors.

SURVEY No. 125

Section 7-8-17-18 Town H-6- Range 29



Survey made Oct 28-30; 1910 by G. E. Schuman.

FIELD NOTES.

I set 24 cor of Sec. 17-46-29 acc-
ding to remaining original govt.
T. H set another B.T. 51 E 85;
which is a 10" N.P.
Thence I ran north bet. sec 17 & 18
id 7x8 and hit 38' west of cor to
cor. 5, 6, 7, x 8 and at a dist of
0, 604' N of cor to 17, 18, 19 x 20.
As I could find no B. to or
iginal corners I perorated this
distance & set 1/4 bet. 17 x 18 & cor
Sec 7-8. 17 x 18.
Corner to sec 5, 6, 7 x 8
Found
Orig N.P. B.T. N 41 40' E 85' marks
plain.
24 P. N 70 N 3.96',
59° E 13.86',
Set B.T.
Flat Boulder with quartz seams
N 11 1/2° N 16'
Round Boulder S 31° N 46'
Corner to 7-8-17 x 18
N.P. strip 2' 2 1/2 51 E 131'
Pine 12" 7 10 N 157 1/2'
1/4 bet 17 x 18
N.P. 10" S 30° E 149.5'
N.P. 9" S 70 1/2° N 148.8'

Note Property. O.K. or otherwise

SURVEY No. 126

Section

Town

Range

No 126

Secs 19-20-27-30

T 45 N 30

See Blue Print pinned to this page

FIELD NOTES.

SURVEY No. 127

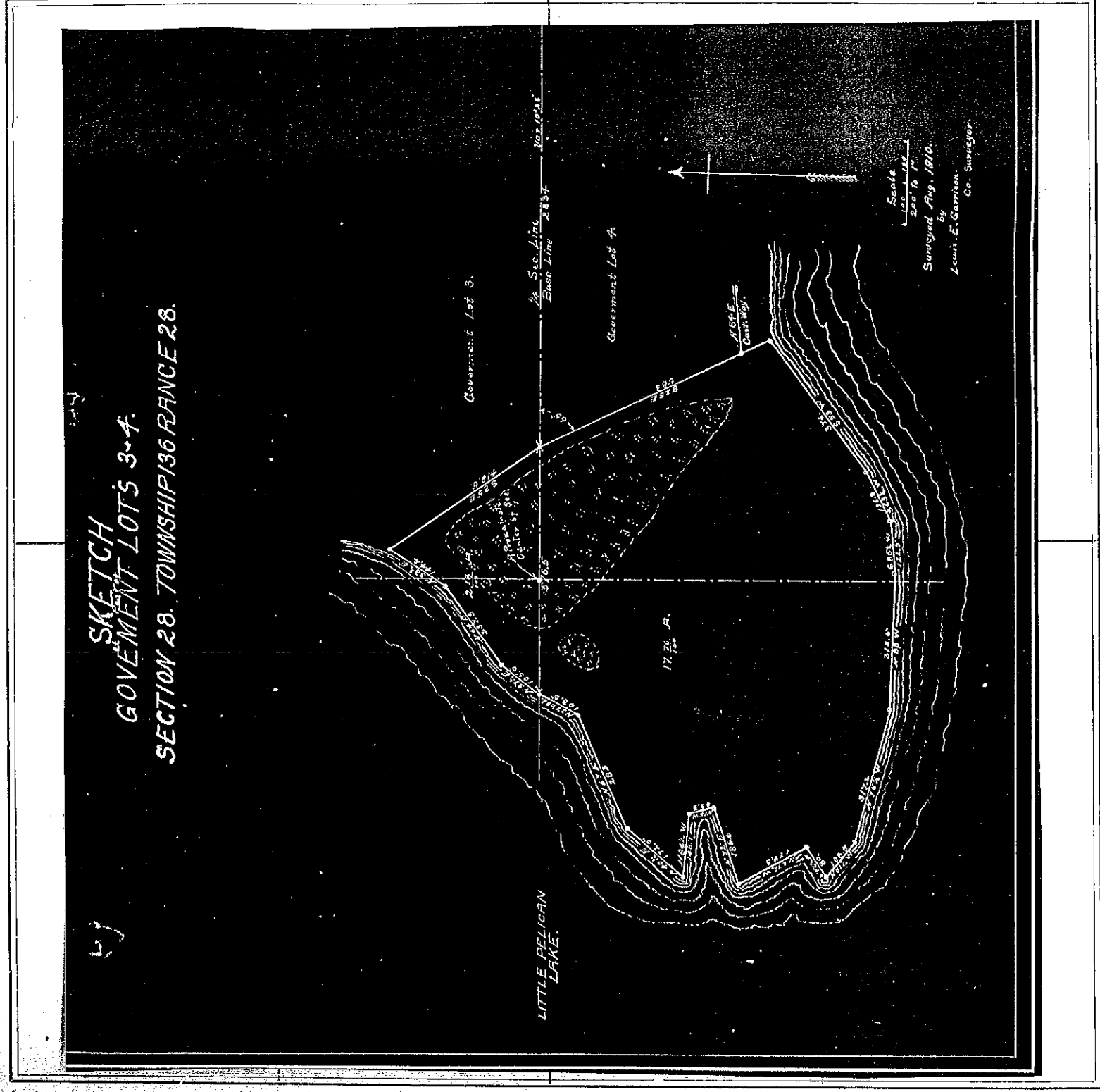
Section Town Range

FIELD NOTES.

See 19, T 45 R 30
No 127.
See Blue Print fastened to
this page.

SURVEY No. 129

Section 3 Town 36 Range

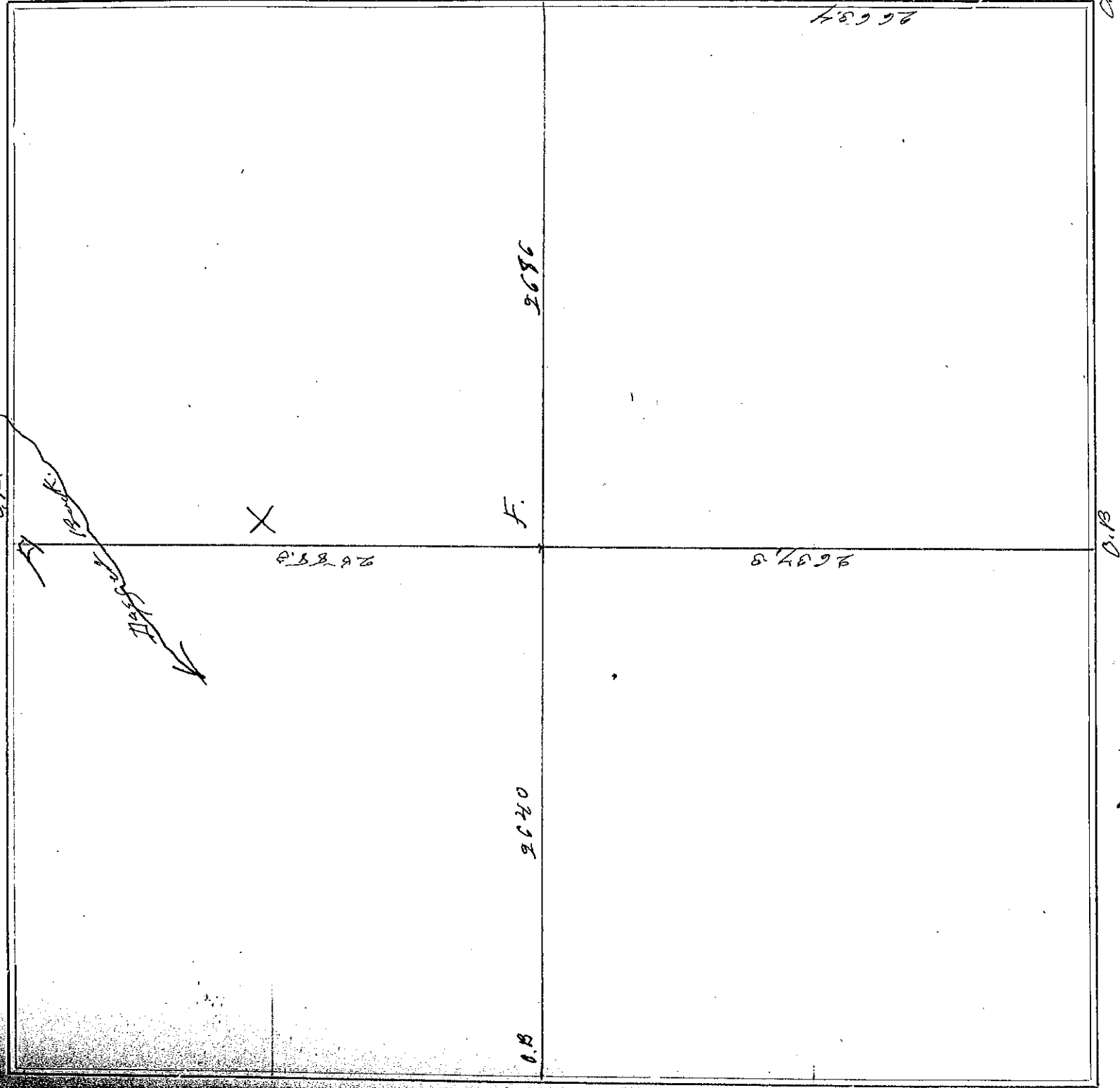


FIELD NOTES.

No 129
Sec 28
T 36
R 28
See blueprint fastened to
this page

SURVEY No. 131

Town 35 Range 27



FIELD NOTES

A. Original Beaps. Set post for line

B. Original Beaps. Set Skin Post for line. Blue Grant 10x12x8" marked X Broken Crookier under

C. Original Beaps. Set Skin Post for line. 10x14x12" Broken Crookier under Grant.

D. Original Beaps. Set Skin Post for Beaps. 10x12x12" marked X Broken Crookier under Grant.

E. Original Beaps. Set Post for line

this Post is Set. D. westward of we line from B to E and A to D. Set Skin Post. from F. 10x12x12" marked X Broken Crookier under Grant.

Skin Post. 7x6x6

Length of all line are as shown when Amysed Photo.

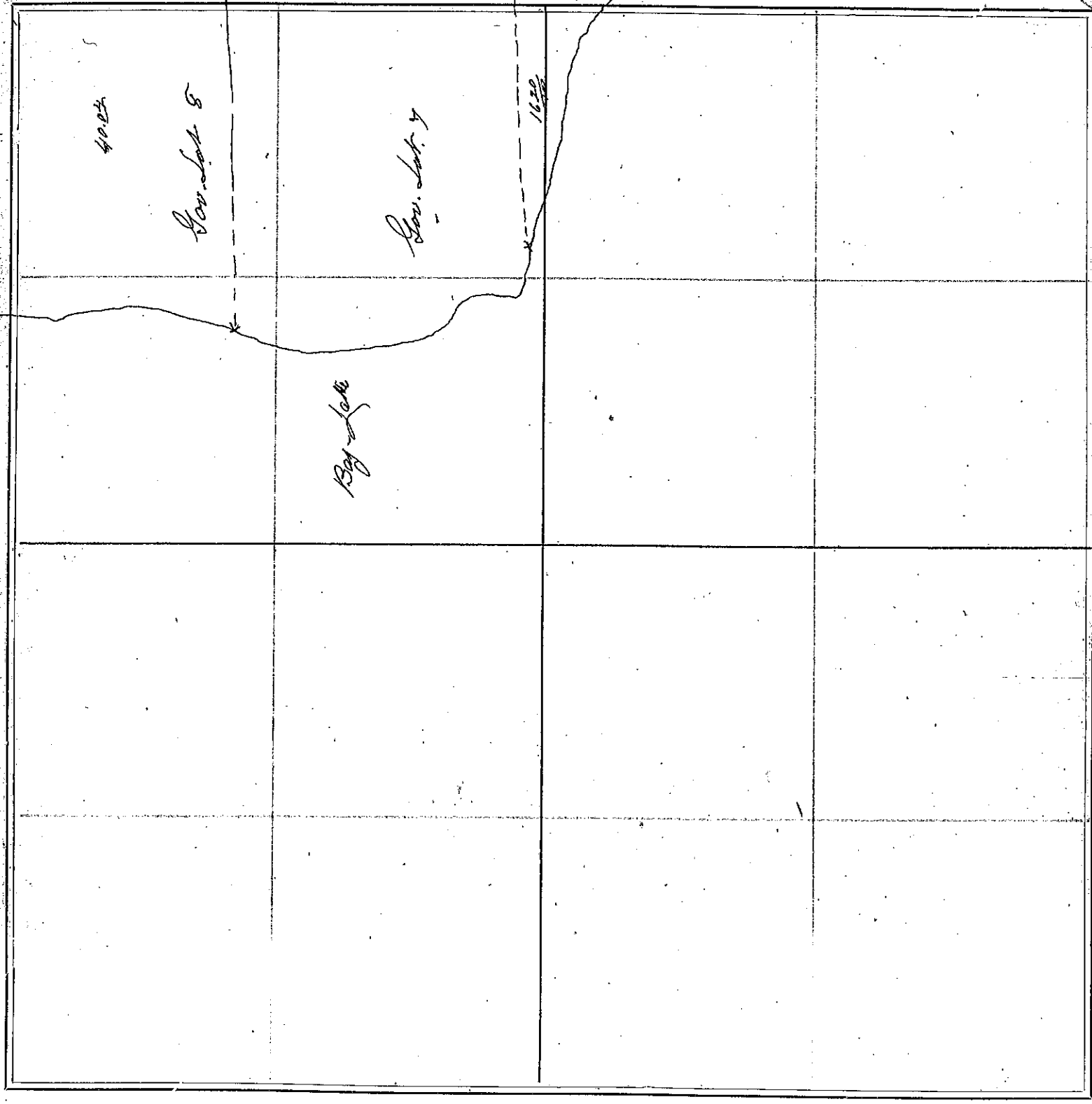
I saw E. Gorman Co. Survey of Cows Map. Co. Virginia. Hence certify that the above Plot and Amysed. Field Note. of Survey as made by self are correct to the best of my knowledge & belief.

Dated this 24th day of June 1911

Louis E. Gorman
Co. Surveyor.

Chim
F. Jackson.
F. Gorman.

Section 22 Town 43- Range 25



FIELD NOTES.

Commencing @ the corner of Sec. 14-16-22-23
T40 N. 25

O. B. down. Post in North edge of ¹¹⁰ Break
run West @ 1620.0' Br. C. upon East shore
of Bay Lake O. B. Stephens set West from

same.
Then using this line for a Base &
measured. Lake shore as follows.

S 71° 10' E 400' to C. W.

S 25° 24' W 278' " " "

S 11° W 164' " " "

S 33° 34' W 264' " " "

S 11° 34' W 51.6' " " "

then East. Parallel to Base Line

1848.0' to intersection of Sec. line between

Sec. 22-23

Then North along said Sec. line

1070.2' to Place of Beginning as a B. for this

Cont. 400.4

Also Commencing @ 1/4 Post between Sec 22-20 T40-25

then South along. Sec. line 406.7' to Mr. B. O. B. point

using this line for a Base & run

N 73° 34' W 300'

N 57° 34' W 167'

N 73° 34' W 200'

N 64° 34' W 156'

N 49° 34' W 114'

N 43° 34' W 491'

N 64° W 300'

North 10.8

East. 1712.8 to Sec. line between Sec. 22-23
then South along Sec. line 400'
to Place of Beginning.
Containing 16.22 Acres.

Chairman W. H. Hunt
Sec. Long.

J. Lewis G. Garrison Co. Survey
of Crown Mt. Co.

Hereby certify that the within
Notes of Survey are correct to the
best of my knowledge & belief.

Dated this 30 day of Jan. 1911.

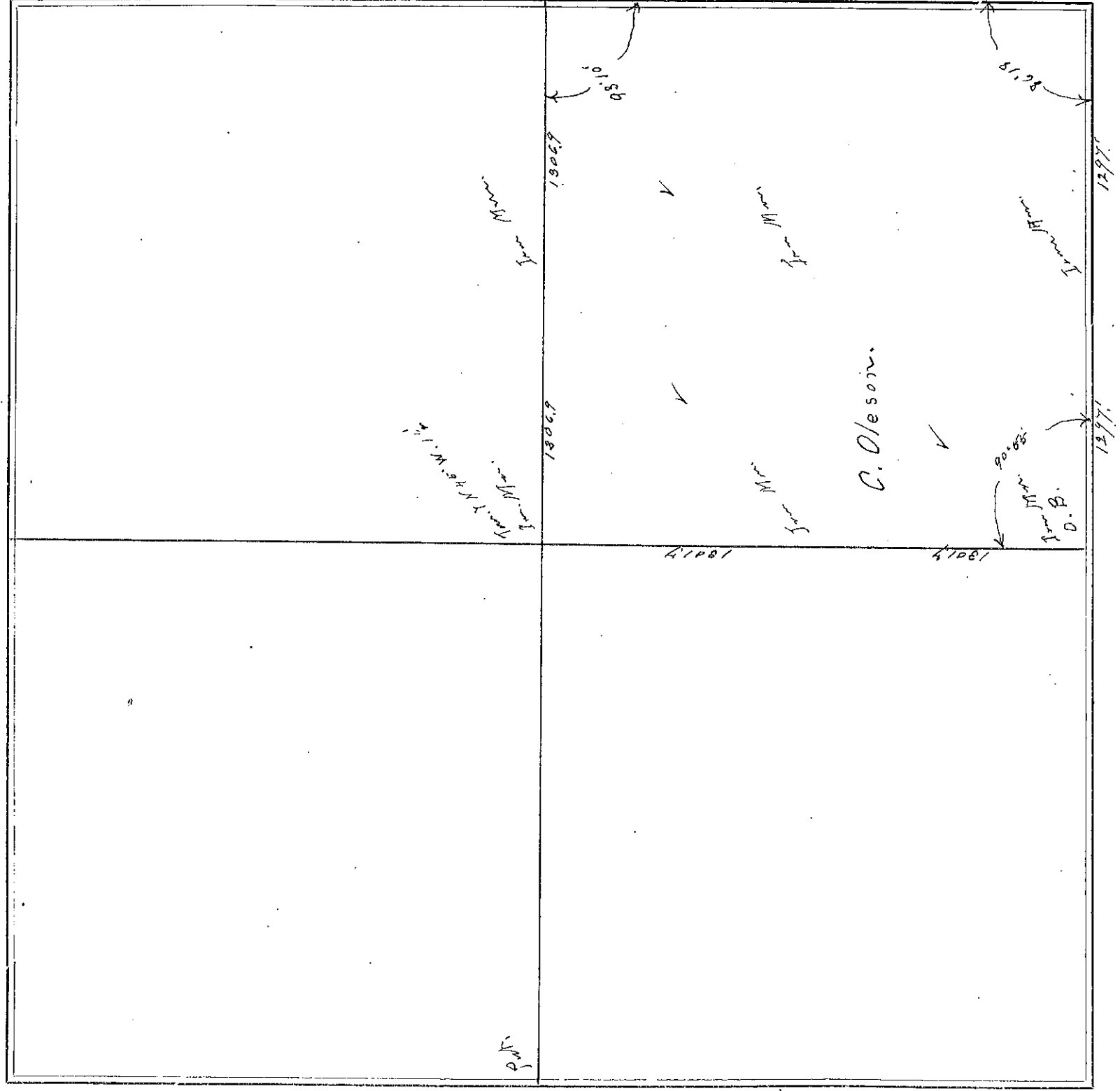
Witnessed Jan 13-14-1911

James E. Garrison

J. Garrison

SURVEY No. 133

Section 15 Town 45- Range 30-
pds.

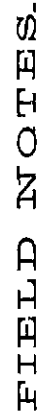


FIELD NOTES.

Sep. 26/1911

Chairman. Herman. Rullman.
G. F. Edquist.

I hereby certify that the above described is a correct description of land in Sec. 15 T45 R. 30. as made by me. Sep. 26/11
Lena E. Garrison
C. Olesoin.

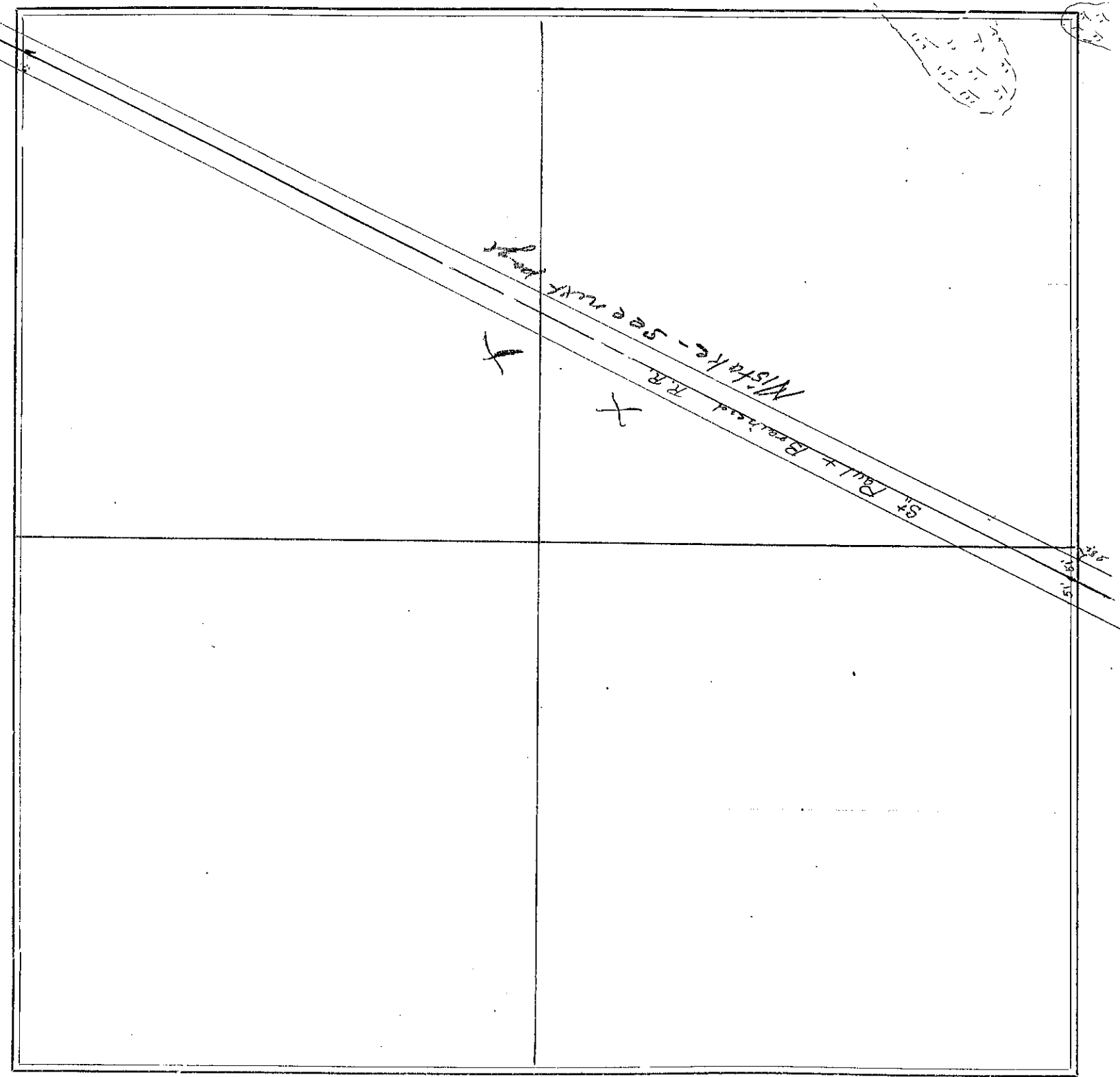


The above Survey made for Thurgant
of Nisswa, Minn. who owns Lots
1, 3, 4, 5, & 6.
The angles and distances as given
are correct to the best of my knowledge
and belief.
Lot #1 Surveyed for Red Mansur also at the same time.

Re: Mansur 480 & 481 St. 111.
Louis Grudden
Surveyor.
Aug 11/11

SURVEY No. 135

Section _____ Town _____ Range _____



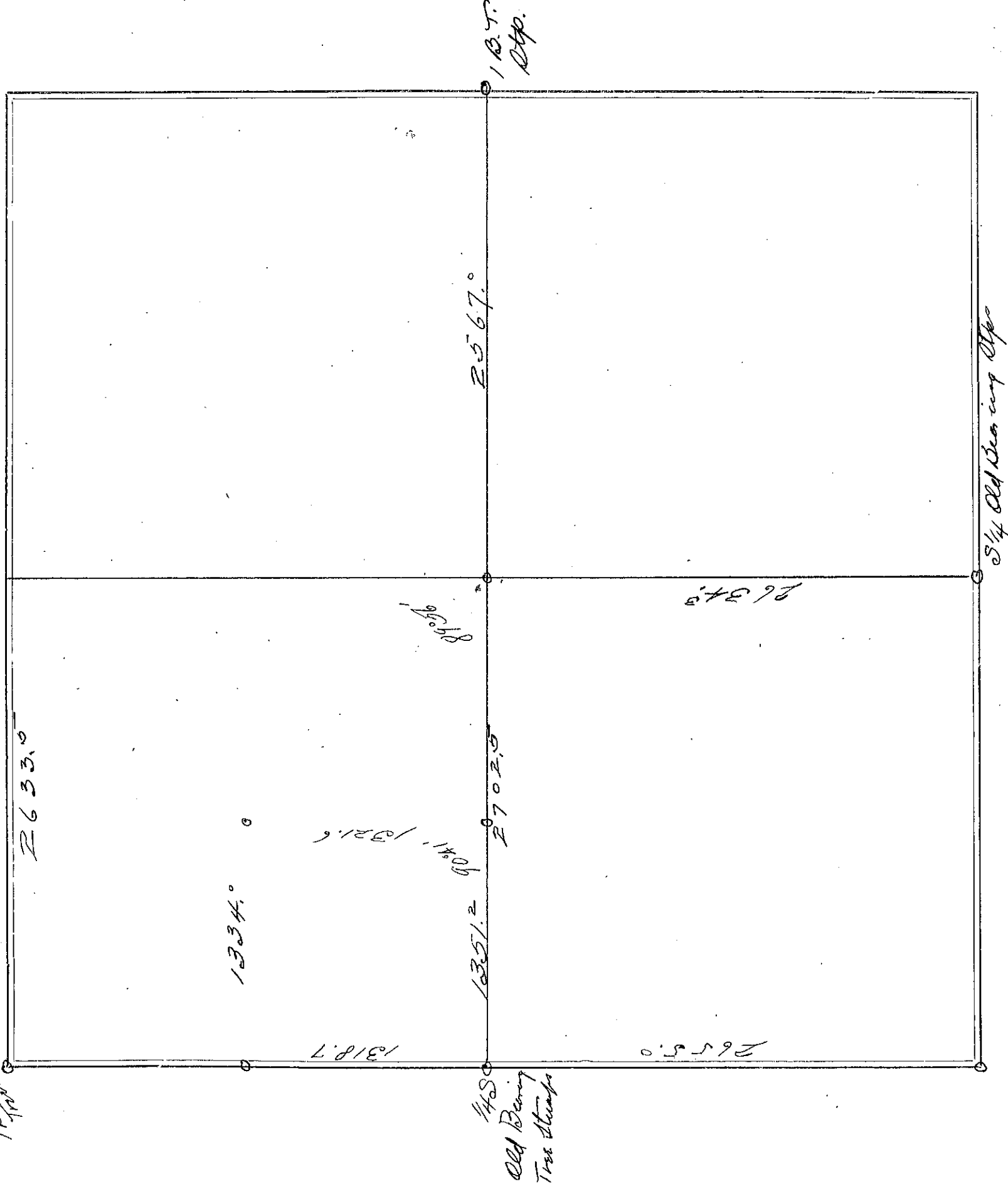
FIELD NOTES.

See Page 174

SURVEY No. 137

Section 20 Town 43 Range 31

10 per 100



FIELD NOTES.

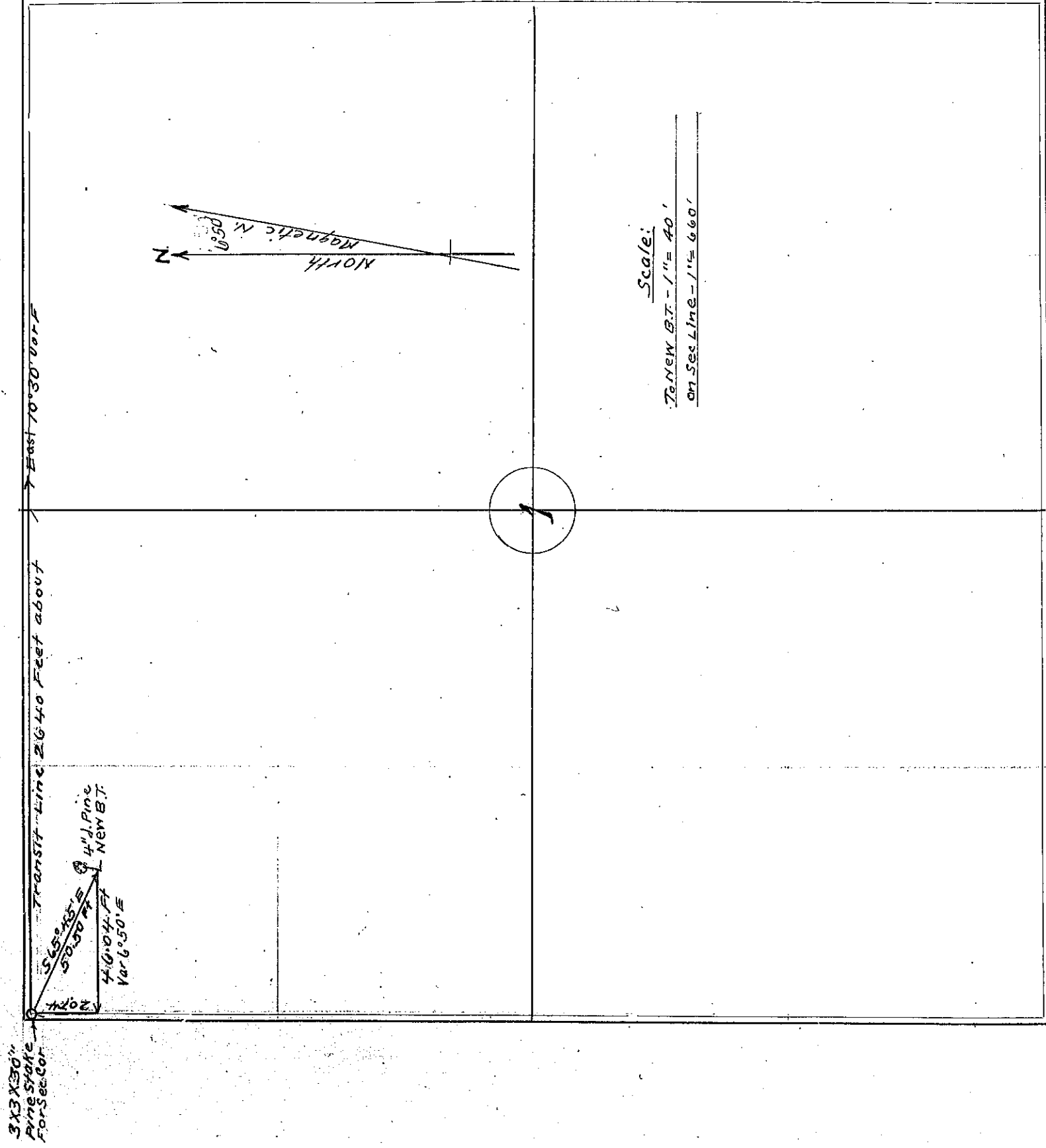
This survey made for Telleford
Remon June 1912.

I found Surveying Tree Stumps as per
above diagram.
Distances and angles given
are correct to the best of my knowledge
and belief.

Louis Kunderman
June 14 1912

Louis S. Kunderman
Co. Surveyor
June 17 1912

Section 1 Town 45 Range 30



FIELD NOTES.

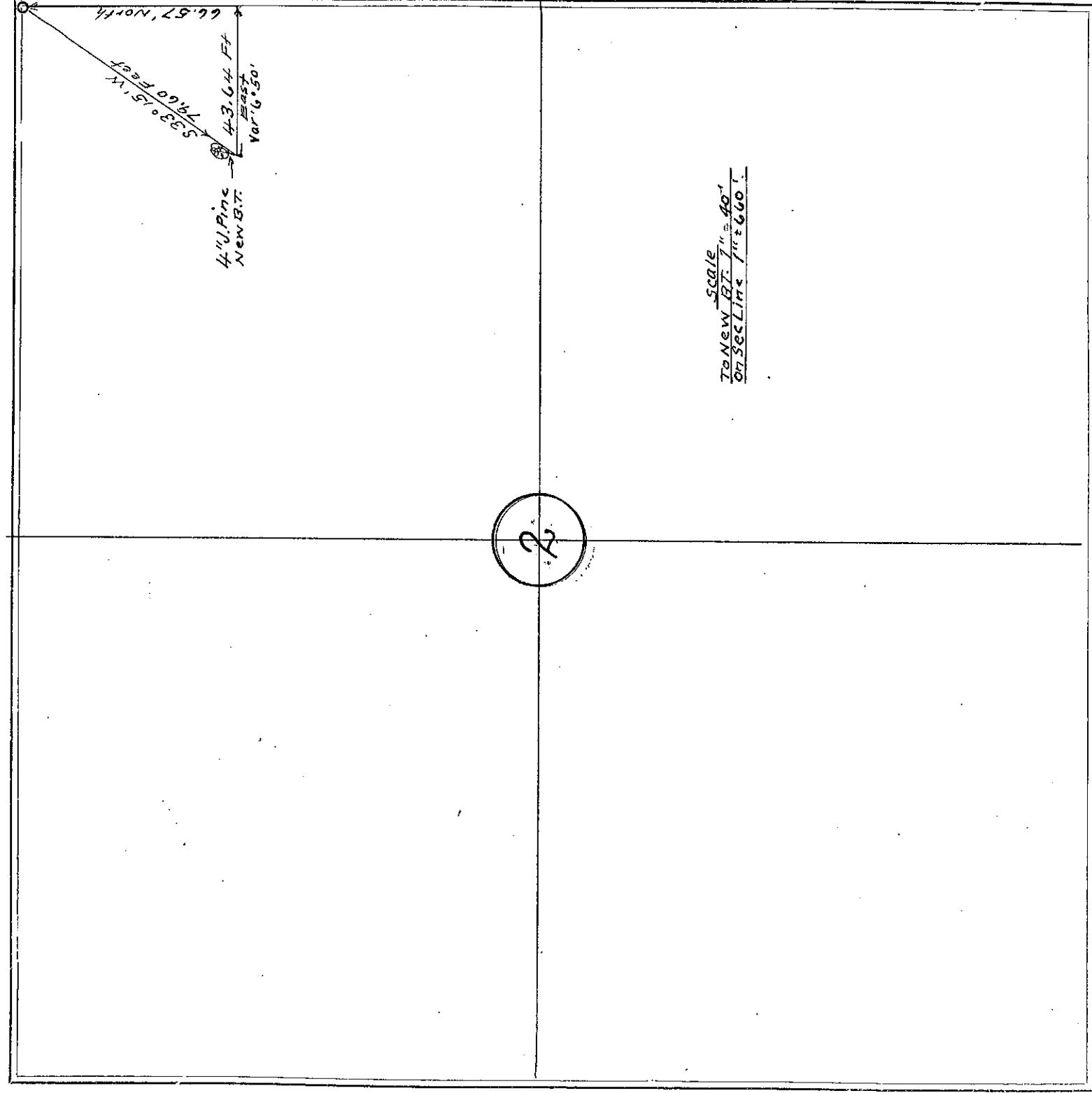
Survey extends over Sections 1 & 2 T 45 N R 30 W and Secs 35 & 36 T 46 N R 30 W Crow Wing Co. Minn

Field notes of the survey of sections 1 & 2 Township 45 N Range 30 W and sections 35 and 36 Township 46 N Range 30 W 4th P. M. as made by John W. Burr County Surveyor, Crow Wing County Minnesota. Dec 5th. 1918 John W. Burr with Surveyor's transit in perfect adjustment Tom Trutwin and Alex. Karsnki assisting. We were at 300 feet steel tape and plump-bob. We go to the corner to sections 1-2-35 & 36 between Townships 45 and 46 & Range 30 W where U.S. field notes call for a post and the following bearing trees. Black Pine 8 inch N 45° W 306 links (= 201.46 ft.) " " 8 " N 71° E 351 links (= 231.66 ft.)

We find the old N.W. bearing tree standing green and plainly marked in section 35 and also the stump of the old N.E. bearing tree in sec. 36 from which we set a stake for the true corner by flat chain from base of the two old bearing trees, after which the old trees stand as follows. Old U.S. tree N 45° W 281.46 feet. Old U.S. tree N 71° 15' E 231.66 ft. @ 6° 50' decl. We then start a picket line on 7° 30' way. North between sections 35 and 36, Trutwin & Karsnki cut out the line. December 8th 1918 John W. Burr with the same survey tools: Harold J. Burr assisting we chain the picket line North, between sections 35 and 36 T. 46. R. 30. at 300 feet set stake at 781 ft set hub. at 900 set stake: @ 1173 feet set hub: at 1200 feet and 1500 ft set stake: at 1664 set hub. at 2400 ft. set stake. P.M. With Leo Rungwolski as. apman we start at the same section corner and at 70° 38' variation we run a line East along the township line between sections 1 and 36. We run a perfect over

SURVEY No. 138

Section 2. Town 45 Range 30



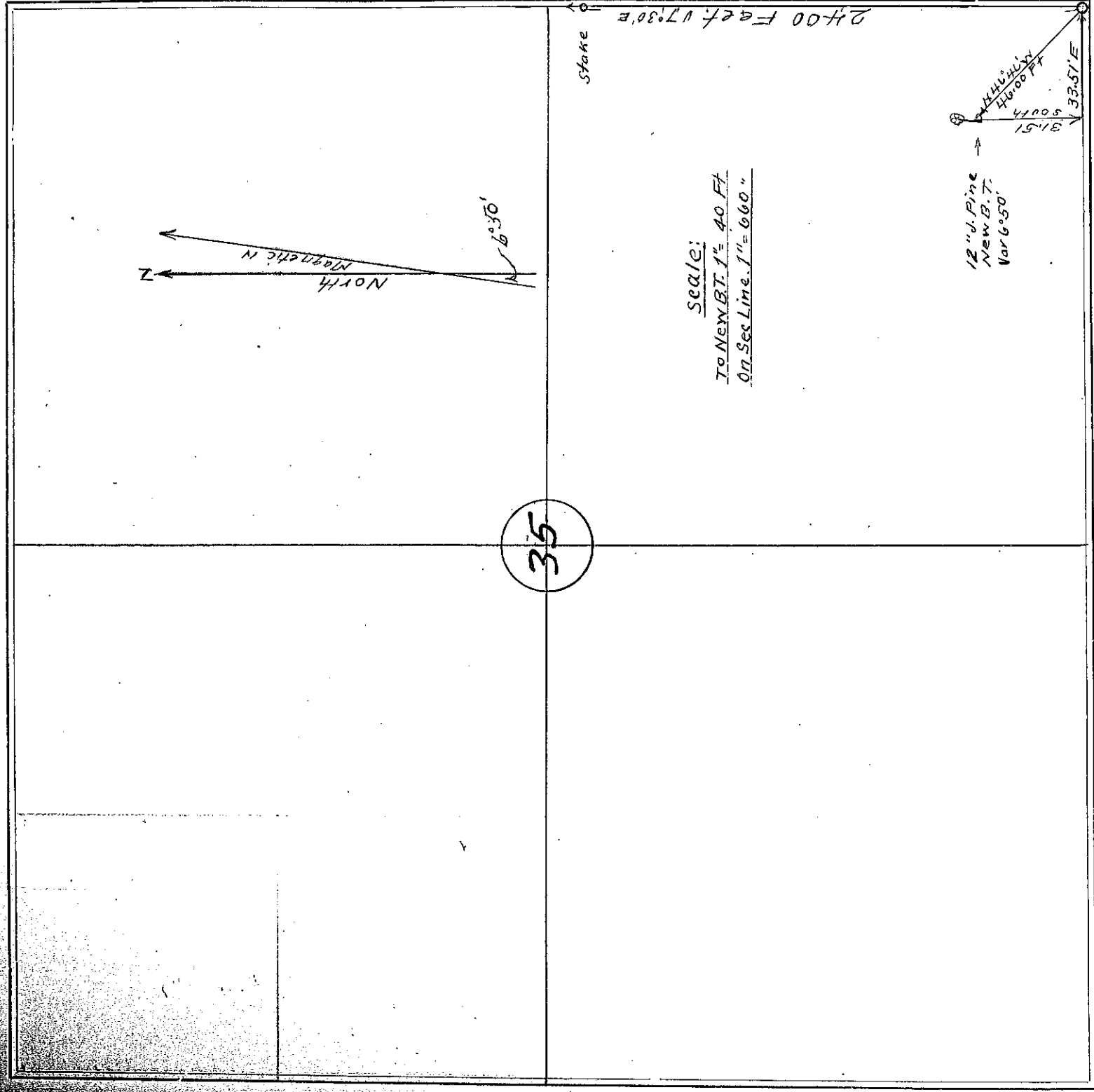
FIELD NOTES.

transit line, setting double center hubs for about 1/2 mile but do not have time to chain it.
 January 8th 1919 John W. Curo with Harold J. Curo assisting using the same survey tools. To preserve what we have done for the benefit of future surveys we drive a 3X3X30 inch pine stake for the true corner to section 1-2-35 and 36 T 45 and 46 N R 30 W and establish the following new bearing trees.
 From the stake first set bearing the southwest corner of section 36 T 46 R 30, we run in sec 36; S 30° E 61.20 feet to a 10 inch jack pine tree with a 3 inch spike driven in a flat spot at base of tree, thence South 53.00 feet. Thence West 30.60 feet to a section corner the place of beginning.
 Thence in section 35 T 46 R 30 W. we run N 46° 46' W 46.00 feet to a 12 inch jack pine tree with a 3 inch spike driven in flat spot at base of tree, thence South 33.51 feet to the section corner the place of beginning.
 Thence we run in sec 1 T 45 R 30 S 60° 45' E 50.50 feet to a 4 inch jack pine tree with flat spot at base, thence West 46.04 feet thence North 20.74 feet to the section corner the place of beginning.
 We extend our survey over the above four sections in the shape of a triangle for the purpose of checking the position of the new bearing trees, and leaving these field notes in shape so that if these section corners get lost or burned any land owner in these sections can re-establish this corner with the use of a chain alone, & without the use of a surveyor or survey instrument.
 Survey made December 5th 1918 to Jan. 8th 1919.
 Recorded September 1st 1919

John W. Curo
 COUNTY SUPERVISOR
 Crow Wing County

SURVEY No. 138

Section 35 Town 46 N Range 30 W



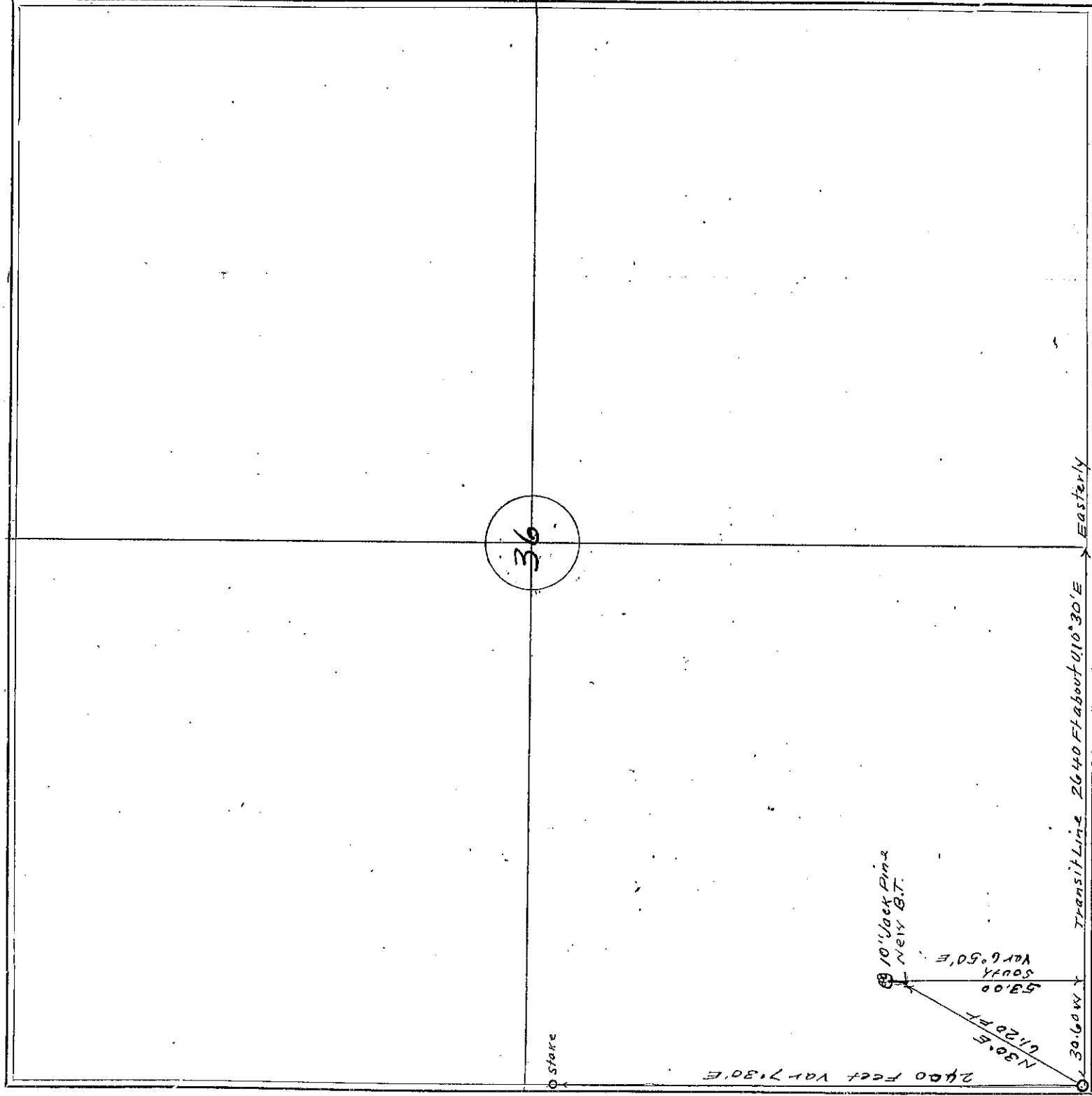
FIELD NOTES.

Notes: For notes see page 177 and 178
this book

Surveyed Dec 5th 1918 to Jan 8-1919
John W. Quinn
County Surveyor

SURVEY No. 138

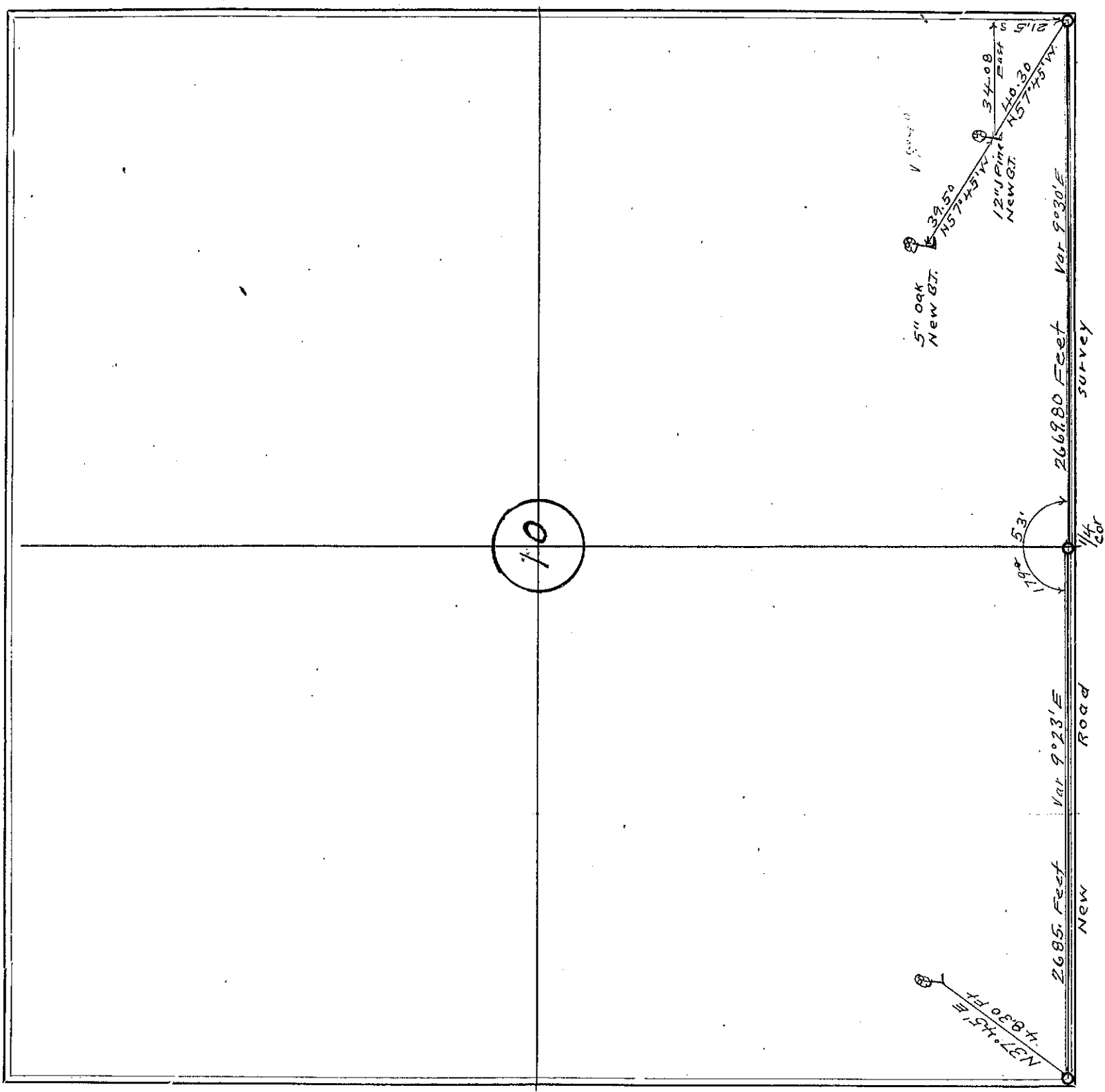
Section 36 Town 46^N Range 36^W



FIELD NOTES.

Notes:
For notes see page 177 and 178 this book
Surveyed Dec 5th 1918 to Jan 8th 1919
Recorded Sept 1st 1919
John H. Cress
County Surveyor

SURVEY No. 139
Section 10 Town 134^N Range 29^W

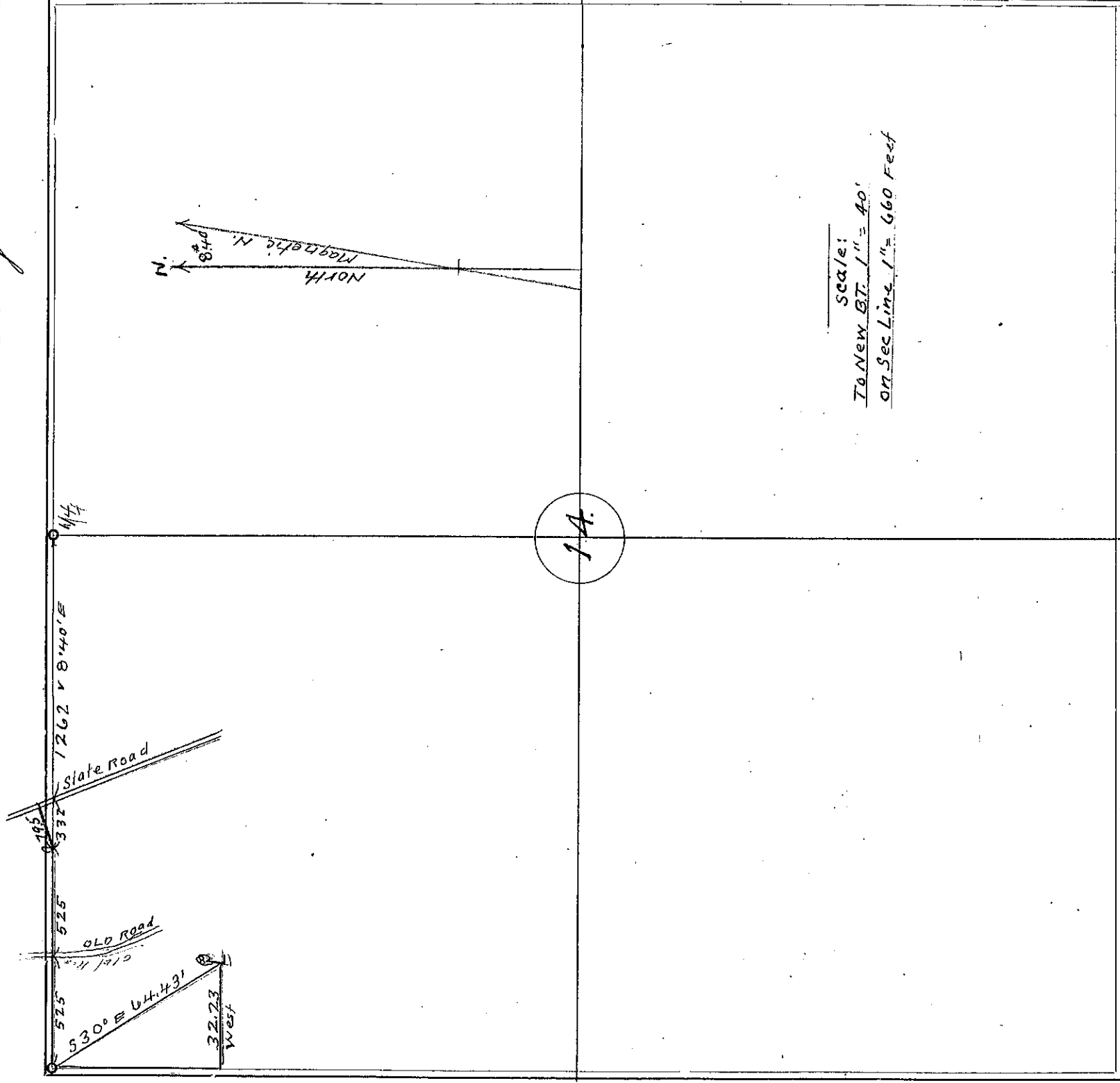


FIELD NOTES.

Survey extends over Sections 10-11-14-15
T134N R29W 5th PM Crow Wing Co Minn

Field notes of the survey of a county road and the establishment of new section corners and new bearing trees in sections 10-11-14 & 15 Township 134^N Range 29^W as made by John W. Curs County Surveyor Crow Wing County Minnesota. John W. Curs transitman - Harold J. Curs assisting transitman. Lewis E. Montgomery & Harold Curs Apner & Shaininess. Begin at a point half a foot South of the corner to sections 10-11-14-15 Township 134^N Range 29^W & run a random line W. 1/4th on random line sections 10 & 15, compass needle in transit reads 8° 30' variation. E. At 2669.40 feet West the 1/4 corner bears South 46.90 feet. We find the stump of both old U.S. bearing trees plainly marked from which we set the true 1/4 corner between sections 10 & 15 over which we set the transit, back sight East on a point where the true line would run then transit telescope & continue. West between sections 10 and 15 on random line. At 2685 feet West the corner to sections 9-10-15-16. On the Cass and Crow Wing County line, sets North 5.60 feet at which point we find an old stake set by the County Surveyor of Cass County for the true corner.

Continued on Page 182.



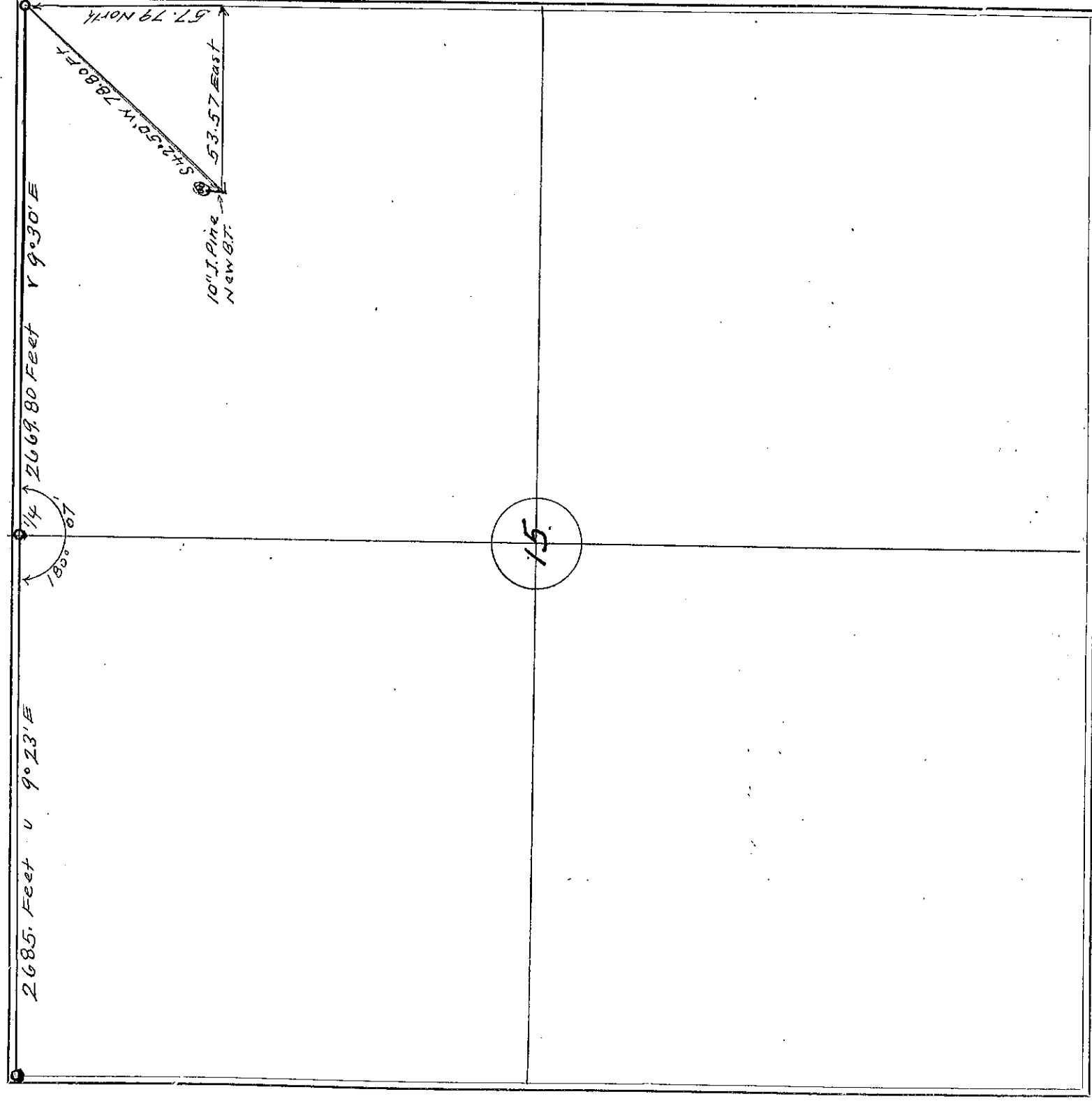
FIELD NOTES.

Notes from page 182.

At the corner to sections 10-11-14 and 15-T 134 R 29, we find all of the old bearing trees called for in the U.S. field notes ~~there~~ ~~there~~ ~~there~~ do not check out for course and distance with the U.S. field notes so we set the corner by proportion as required by law and drive a $2 \times 2 \times 20$ inch pine stake for the true corner and mark the following new bearing trees: Thence we run in section 11 $N 30^{\circ} 55' E$ 75.65 feet to flat spot at base of 12 inch jack pine tree, thence West 38.87 feet thence South 64.98 feet to the section corner the place of beginning. Thence we run in section 10, $N 57^{\circ} 45' W$, 40.30 feet to a flat spot at base of a 12 inch jack pine tree. Thence East 34.08 feet thence South 21.58 feet to the section corner, the place of beginning. Thence we run in section 15 $S 42^{\circ} 50' W$ 78.80 feet to flat spot on base of 10 inch jack pine tree. Thence East 53.57 feet thence North 57.79 feet to the section corner the place of beginning. Thence we run in section 14 $S 31^{\circ} 00' E$ 64.43 feet to flat spot on base of 10 inch jack pine tree. Thence West 32.23 feet. Thence North 55.80 feet to the section corner the place of beginning.

SURVEY No. 139

Section 15 Town 134 Range 29



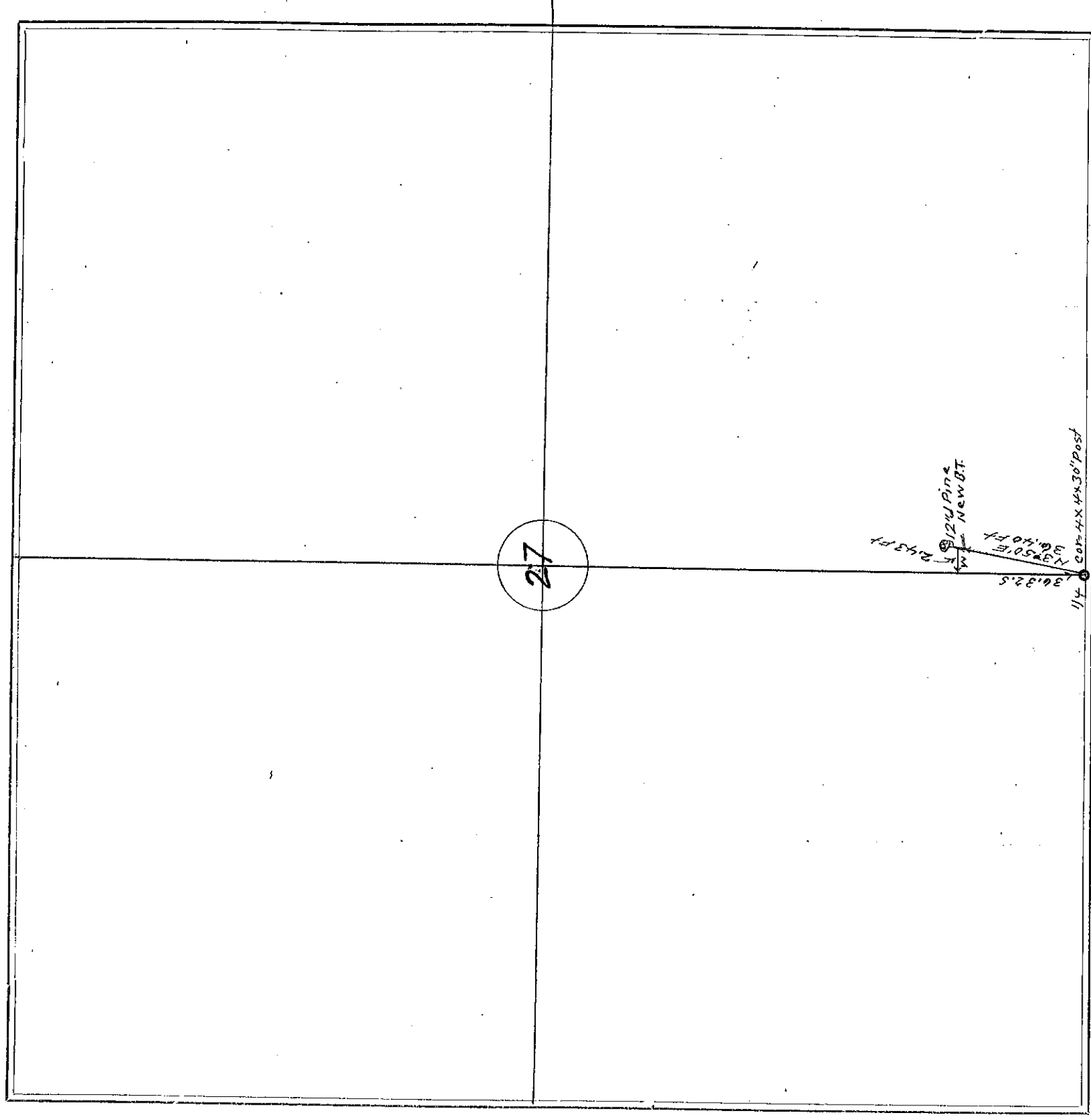
FIELD NOTES.

Notes continued from page 183

As we have previously established the section line running East and East see the true line, we run East on true line between sections 11 and 14 compass needle of the transit reads 8° 40' E. at 525 feet East cross old U.S. wagon road bears N. & S. At 1050 feet East set 2x2x20 inch pine stakes on the true line with bearing trees as follows: 5 inch jack pine S 47° 45' E 51.00 feet to flat spot. 5 inch jack pine S 59° 05' W 58.50 feet to flat spot at base, angle turned from true East and West line needle still reads 8° 40' E. Continue East at 1225 enter wedge of marsh, bear S.W. and E. at 1382 feet East center line (about) off the new state road which bears N.W. & S.E. At 2644 feet East we intersect the 14 corner previously established by me between sections 11 and 14. Running back to stake at 1050 East we run our road line so as to make the marsh viz. N 78° 45' E 279.50 feet intersecting state road at station 32.4 + 10. Survey made August 17th 19-20 and Dec 5. 1918 & March 30th 1919. Recorded. Sept 2nd 1919.

John H. Cress
County Surveyor
Crossing of Minn.

Section 27 Town 134 Range 29



FIELD NOTES.

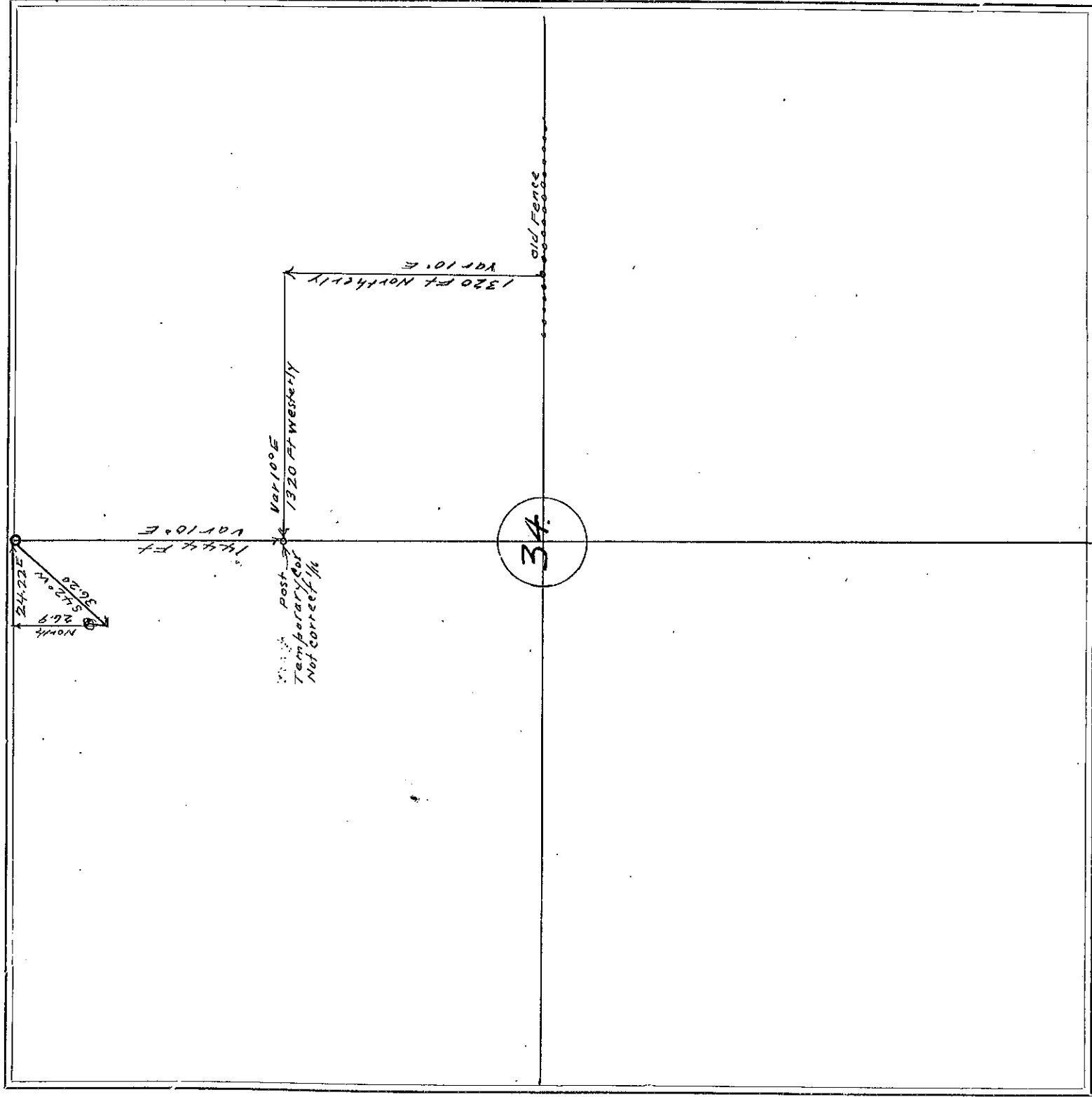
Survey Extends over a part of Sections 27 and 34. T. 134 N. R. 29 W.
Crow Wing Co. Minn.

Field notes of a survey in sections 27 and 34 Township 134 N. Range 29 W. Crow Wing County Minnesota as made by John W. Curs Co. Surveyors John W. Curs with Engineer Transit in perfect adjustment and 300 feet steel tape. I am working for Mr. "Elvie" Mohler and Mrs. Mary Edwards for the purpose of establishing some government corners and to find the approximate lines of road hay lands. Edwards & Mohler assist me as chainmen and apurer. I take Edwards & Mohler in my car to sec. 34, and we look for the corner to sec. 26-27-34 & 35 of 134 R. 29, But we do not find it. Then go half a mile South and look for the 1/4 corner between sec. 34 and 35, but it appears to be gone. Mr. John Berry who appears to own the S.E. 1/4 of sec. 34 and who claims to have lived for years near this 1/4 corner says it has been hunted for by surveyors but has never been found. Mrs. Berry shows us an old fence running West and we go with him to a point 80 rods West where he shows us a fence post which he says was set by some "crissers" ten years ago and that this post was set for the 1/4 corner in the center of the East half of section 34. I explain that this cannot be the true corner but we use it for the present and run 1320 feet North rough chain needle reads about 10° E. Then we run West, needle reads 10° E. at 1320 feet West. Edwards sets a 3 inch peeled poplar pole in the meadow. The pole is 6 feet long and is set about 100 feet West of Gull River and is a temporary point for the 1/4 corner.

Notes continued on page 186.

SURVEY No. 140

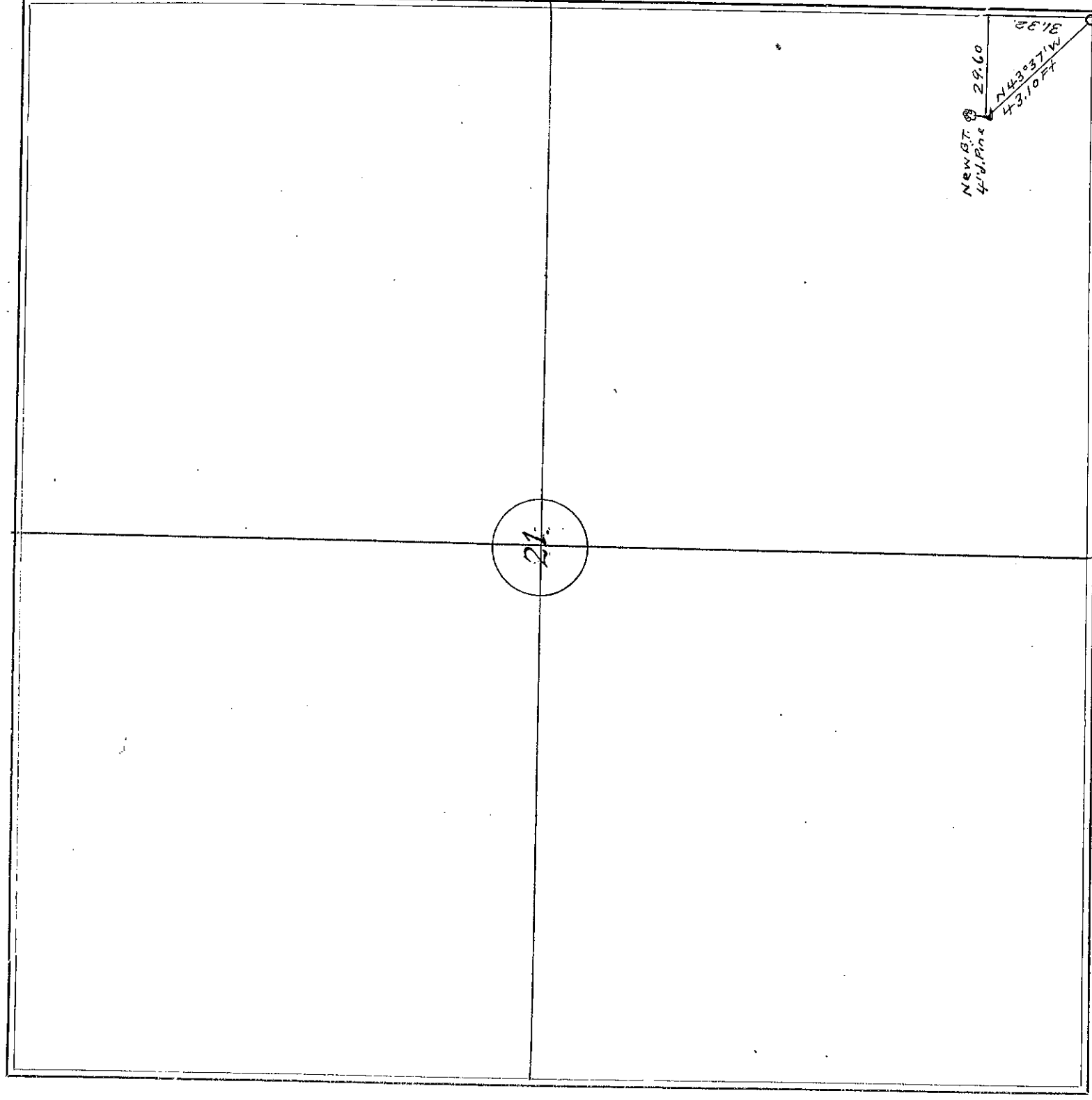
Section 34 Town 134 Range 29



FIELD NOTES.

Notes Continued from Page 185

in the center of the North half of section 34. I explain that this is not the true $\frac{1}{4}$ corner. We walk 80 rods North to the $\frac{1}{4}$ corner between sections 27 & 34. Twp. 134, R. 29 where O.S. notes call for a post and the following bearing trees: Black pine 9 inch S 42° W 18' links (= 41.88 feet) Black pine 7 inch N 62° W 16' links (= 10.56 feet.) We find the stumps of both old bearing trees plainly marked from which we set a $4 \times 4 \times 30$ inch pipe post for the true $\frac{1}{4}$ corner & mark new bearing trees as follows. From the $\frac{1}{4}$ corner first set we run, in section 27 & $3^{\circ} 58' E$ 36.40 feet to a flat spot we have made out the bottom of a 12 inch jack pine tree. Thence we 2.43 feet: Thence South 36.32 feet to the $\frac{1}{4}$ corner the place of beginning. Thence we run in section 34 S 42° W 36.20 feet to a flat spot at 60 of a 6 inch jack pine: Thence North 26.90 feet: Thence East 24.22 feet to the $\frac{1}{4}$ corner the place of beginning. On all corners, needle reads 10' wa. I extend my lines over sections 27 and 34 in the shape of a triangle and record the same here so that in case the post is destroyed the same can be relocated with the use of a surveyor's chain. From the corner just set, being the $\frac{1}{4}$ corner between sections 27 & 34 T 134 R 29, we run South in sec. 34 variation reads $10^{\circ} E$. At 1320 feet we are 124 North of the peeled poplar post set for temporary $\frac{1}{4}$ near the center of the North half of section 34. I explain to Moplin & Edwards & this $\frac{1}{4}$ was not correct and only temporary but they decide that to establish the same correctly would cost too much for the purpose for which it is needed and call off the survey. Note: It is important that these facts be recorded herewith. Surveyed July 29-1917. Recorded Sept 3-1919 John W. Puro.



FIELD NOTES.

Survey extends over Sections 21-22-23-26-27-28
Twp 134 & Rg 28 & Crow Wing Co. Minn

Field notes of the survey of a county road and the establishment of new section corners and new bearing lines in sections 21, 22, 23, 26, 27 & 28 Township 134 & Range 28 & 5th PM as surveyed by John W. Curo County Surveyor. Chas. P. Babcock & Harold W. Curo acting as chainmen, flagmen and genmen
and a 300. foot steel tape
We were an engineers transit in perfect adjustment

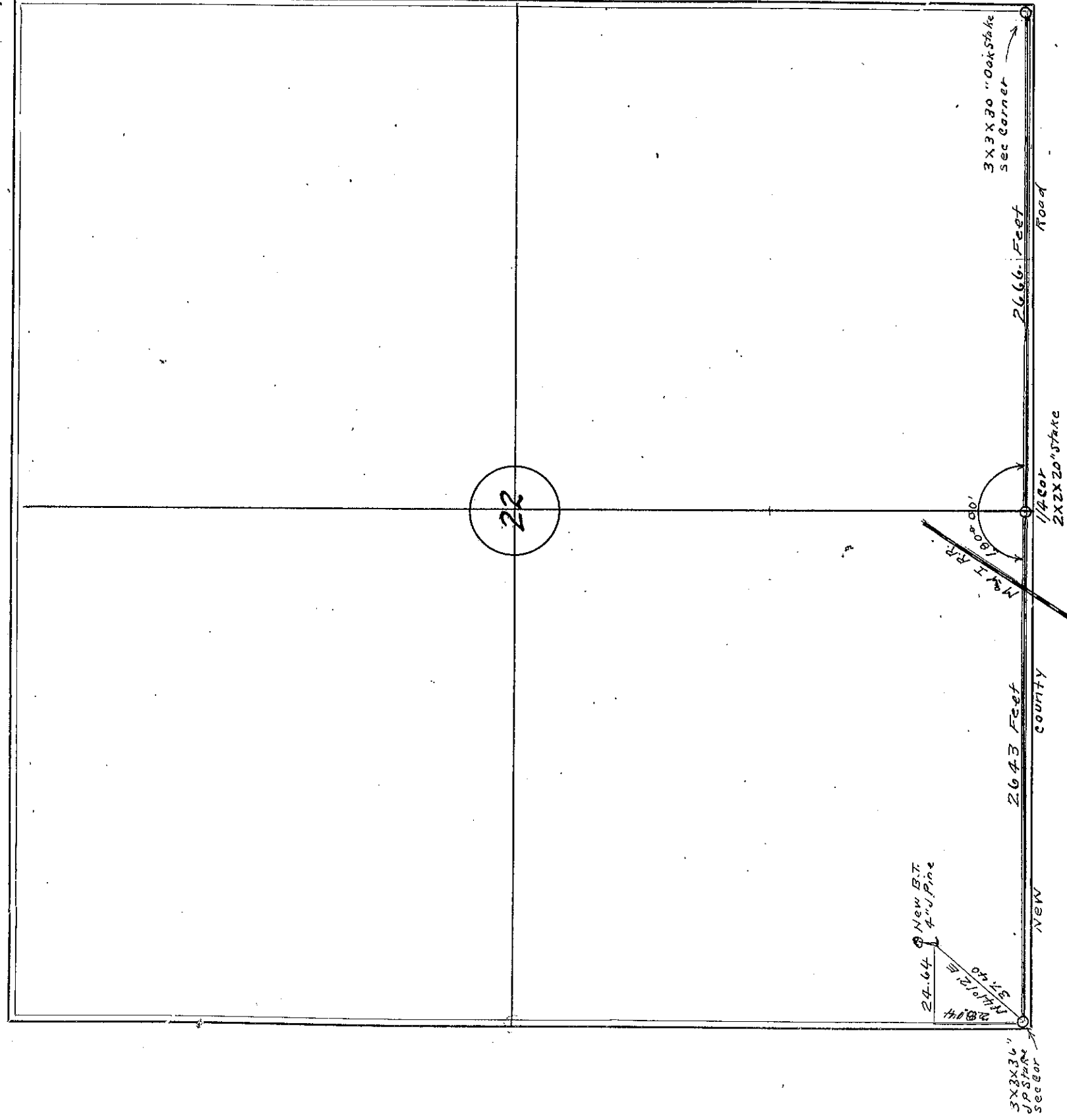
T 134 R 28, from the stumps of two old U.S. bearing lines and the remains of an old stake and set a 3x3x30 inch oak stake for the line section corner over which I set the transit and marked new bearings as follows:

We run in section 23: N 9° 53' E 53.50 feet to flat spot at base of 5 inch oak line: thence West 9.17 feet: thence South 52.71 feet to the section corner, the place of beginning

Thence we run in section 26: S 71° 07' E 67.75 feet to flat spot at base of 6 inch oak line: thence North 21.92 feet: thence West 64.12 feet to the section corner, the place of beginning

continued on page 188.

Section 22 Town 134^N Range 28^W 5¹⁴ PM.
 SURVEY No. 141



Notes continued
 From Page 187

FIELD NOTES.

Thence we run in Section 27: S 14° 13' W 51.70 feet to flat spot at base of 7 inch oak lies; thence East 12.70 feet; thence North 50.12 feet to the section corner, the place of beginning.

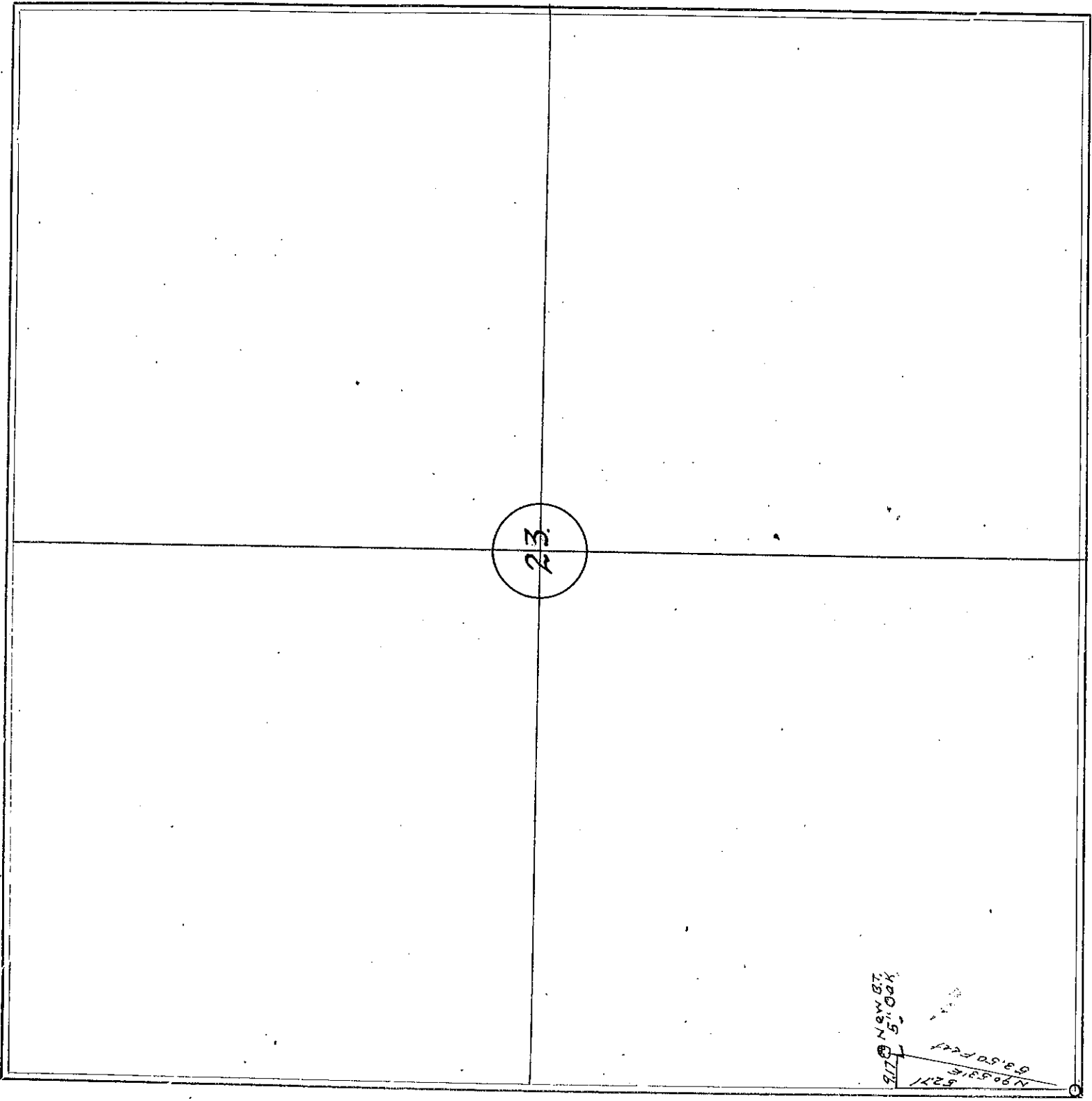
I replaced my lines over these sections in the shape of a triangle and record the same here, so that in case the corner point is burned or lost, the land owners can re-establish the corner with the use of the chain only and without the expense of calling out a surveyor or the use of survey instruments.

At the corner to sections 21, 22, 27, 28, T134 R9 I re-established the line corner from the stumps of the four old N.S. bearing lines and drove a 3x3x36 inch Jack pine stake for the line section corner at which point we found the remains of an old surveyors stake; the old stake is well scribbled but is down, broken off at the point.

We mark new bearing lines as follows: From the stake just set, we run in section 22: N 41° 13' E 37.40 feet to a flat spot at base of 4 inch Jack pine lies; thence West 24.64 feet; thence South 28.14 feet to the section corner, the place of beginning.

Notes continued on
 Page 189.

SURVEY No. 141
Section 23 Town 134N Range 28W 5th PM



Notes continued on from
Page 188

FIELD NOTES.

Thence we run in Section 21: N 43° 37' W 43.10 feet 1/6 flat spot at base of 4 inch jack pine lies: thence East 29.60 feet: thence South 31.32 feet 1/6 the section corner, the place of beginning

Thence we run, in Section 28: S 39° 08' W 48.75 feet 1/6 flat spot at base of 5 inch jack pine lies: thence East 30.77 feet: thence North 37.81 feet 1/6 the section corner, the place of beginning

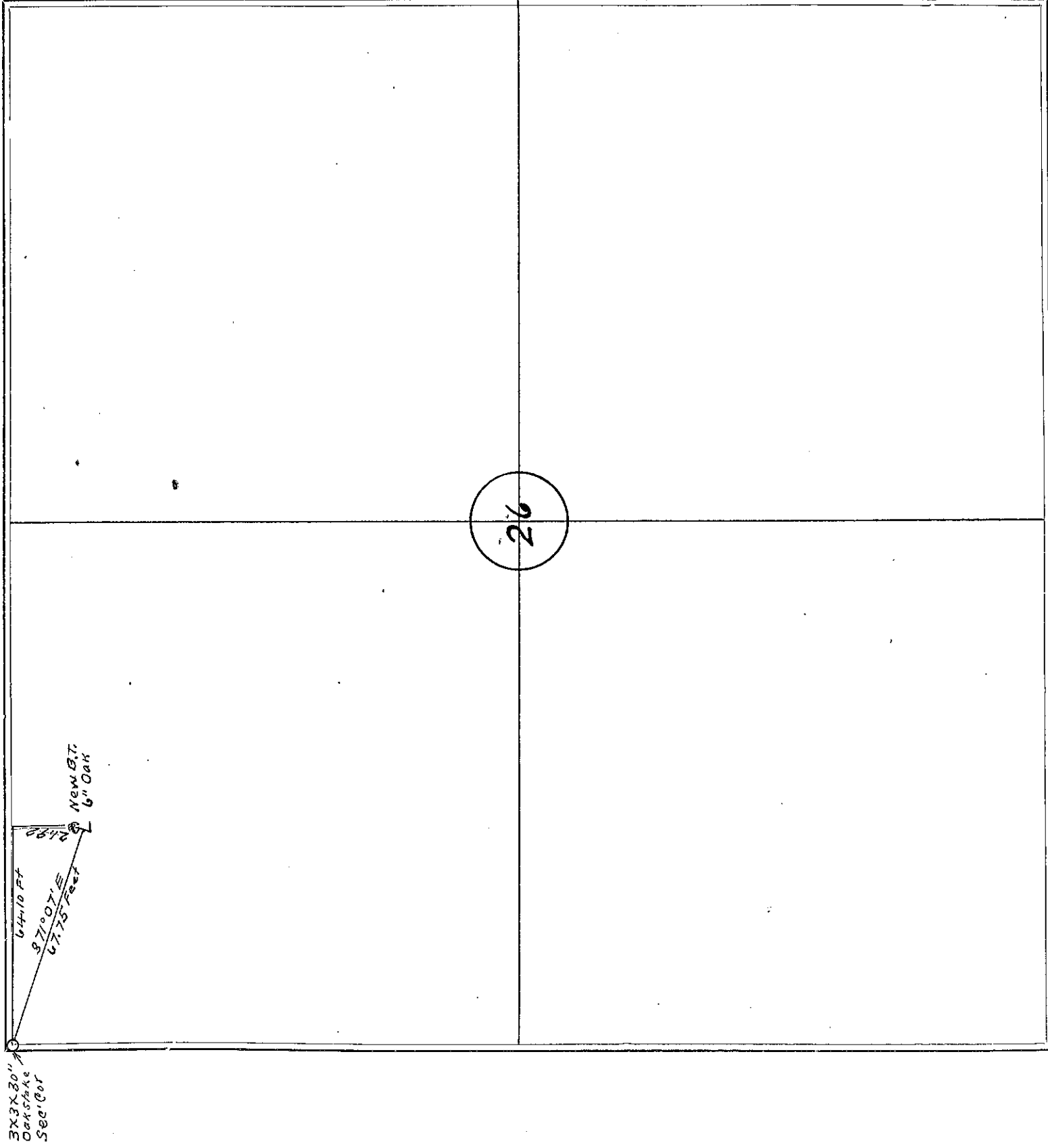
Thence we run, in Section 27: S 28° 56' E 43.45 feet 1/6 flat spot at base of 6 inch jack pine lies: thence West 21.02 feet: thence North 38.03 feet 1/6 the section corner, the place of beginning

I lay laid my lines over these sections in the shape of a triangle, as a check on the position of the new bearing lines, and record the same here, so that in case the post gets moved or lost, the land owners can re-establish the same, with the use of a chain only, and without the expense of calling out a surveyor or the use of survey tools.

Notes continued on page
190.

SURVEY No. 141

Section 26 Town 134 N. Range 28 W 5th P.M.



Notes continued From Page 189.

On account of heavy brush along a part of the section line, we place a flag in the open field 30.9 feet North of the corner to Sections 22, 23, 26, 27 and with the transit half a mile West in the north wheel track of crooked E and W. road, back sight on the flag and run West $\frac{1}{2}$ a point 5.8 feet South of the corner to Sections 21, 22, 27, 28.

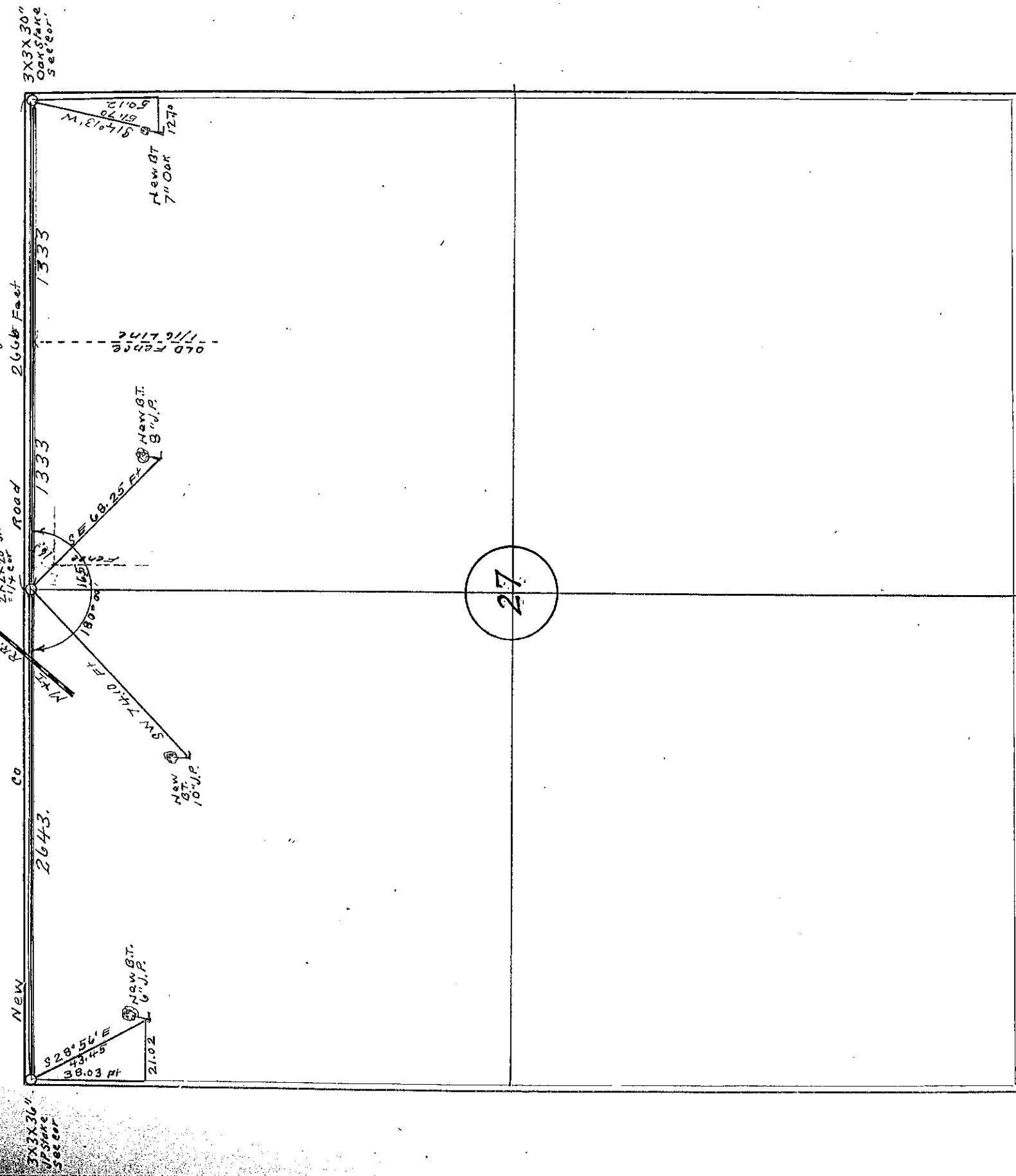
Then beginning at a point 5.8 feet South of the corner to Sections 21, 22, 27, 28 T 134 R 28 we run East over cut out lines on random line between Sections 22 and 27: at 74. East set hub: at 289 E. set hub: at 300 slake: at 600 slake: at 754 hub: at 900 slake: at 1037 Hub: at 1200 slake: where we intersect the wagon road which runs East and North-West: at 1776 hub in north wheel track: at 1800 slake: at 2100 slake: at 2245 cross M & I RR track which bears north-easterly: at 2400 slake: at 2568 hub: at 2600 slake Ht 2659 East and old fence runs South: at 2700 set slake: at 3000 set slake: at 3300 set slake: at 3600 set slake: at 3900 set slake: at 3976 feet east set hub in line with an old fence running South: This fence was built on a line established by County Surveyor Garrison for the line $\frac{1}{16}$ line running South at 3988.7 East, set hub: at 4400 slake: at 4300 east set hub:

FIELD NOTES.

Notes continued on page 191.

SURVEY No. 141

Section 27 Town 134 N Range 28 W 5 1/4 P.M.



FIELD NOTES.

Notes continued from page 190.

at 4600 East set hub: at 5000 set hub: at 5309 feet East, in line
flag 30.9 feet North of the corner to sections 22, 23, 26, 27.

To correct this mile of line so as to be straight its entire length
our correction equals .006913 of a foot South for each foot East, minus
5.8 feet North at each corrected hub:

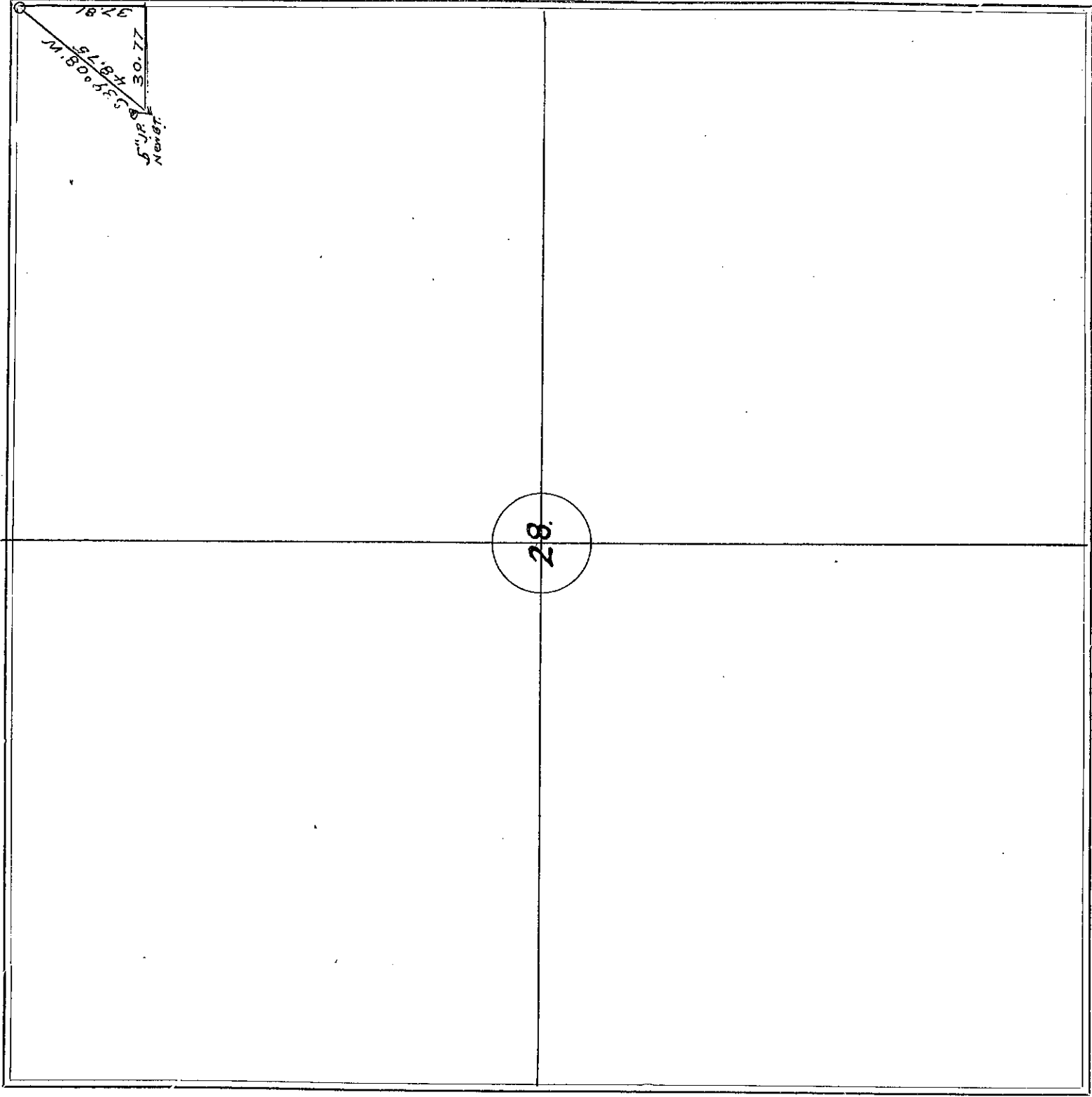
Hub 74. East goes ~~289~~ North 5.3 feet: Hub 289 East goes North 3.8 feet:
hub 754 East goes North 0.6 of a foot North: Hub 1037 E, goes South 1.5 ft
Hub 1546 East goes South 5.0 feet: Hub 1776 East goes South 6.6 feet:
hub 2568 East goes South 12.2 feet: Hub 3300 East goes South 17.3 feet:
hub 3600 East goes South 19.40 "

At 3976 East (3976 E) the East 1/4 line runs South along an old
fence: Hub 3988.7 East goes South 22.2 feet: Hub 4600 East
goes South 26.40 feet Hub 5000 East goes South 29.2 feet
5309 East goes South 30.9 feet

At each correction we set hubs and tall stakes, each stake marked
"Two Section Line - Road Center" This leaves the entire mile straight
and on this straight line we set a 2 x 2 x 20 inch stake for the line
1/4 corner between sections 22 and 27 from which we take new bearing

Notes continued on page 192.

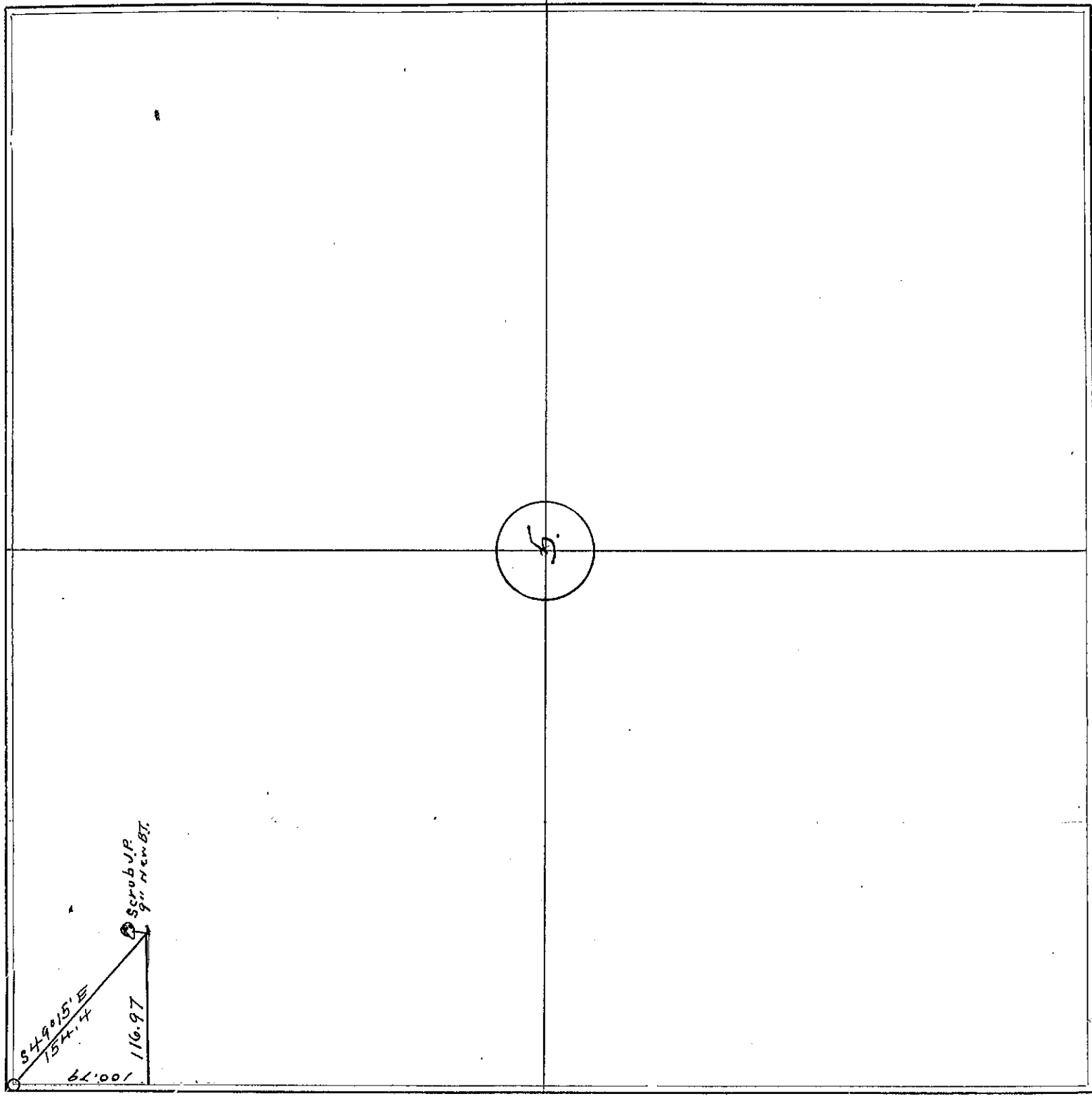
Section 28: Town 134ⁿ Range 28^w 5th PM
SURVEY No. 141



FIELD NOTES.

Notes continued From Page 191.
Lines as follows: 8 inch jack pins South east 68.25 feet; 10 inch
jack pins South west 74.10 feet: This 1/4 corner is set at a point
established by County Surveyor Harrison: it is 26.43 feet East of
the South-West corner of Section 22 and 266. feet West of the
South-East corner of Section 22. and is 16 1/2 feet West and 16 1/2
feet North of the North-West corner post of an old fence running
South and East

Surveyed September 15-16 and 17-1919
Recorded Oct 11th 1919
John H. Cress
County Surveyor



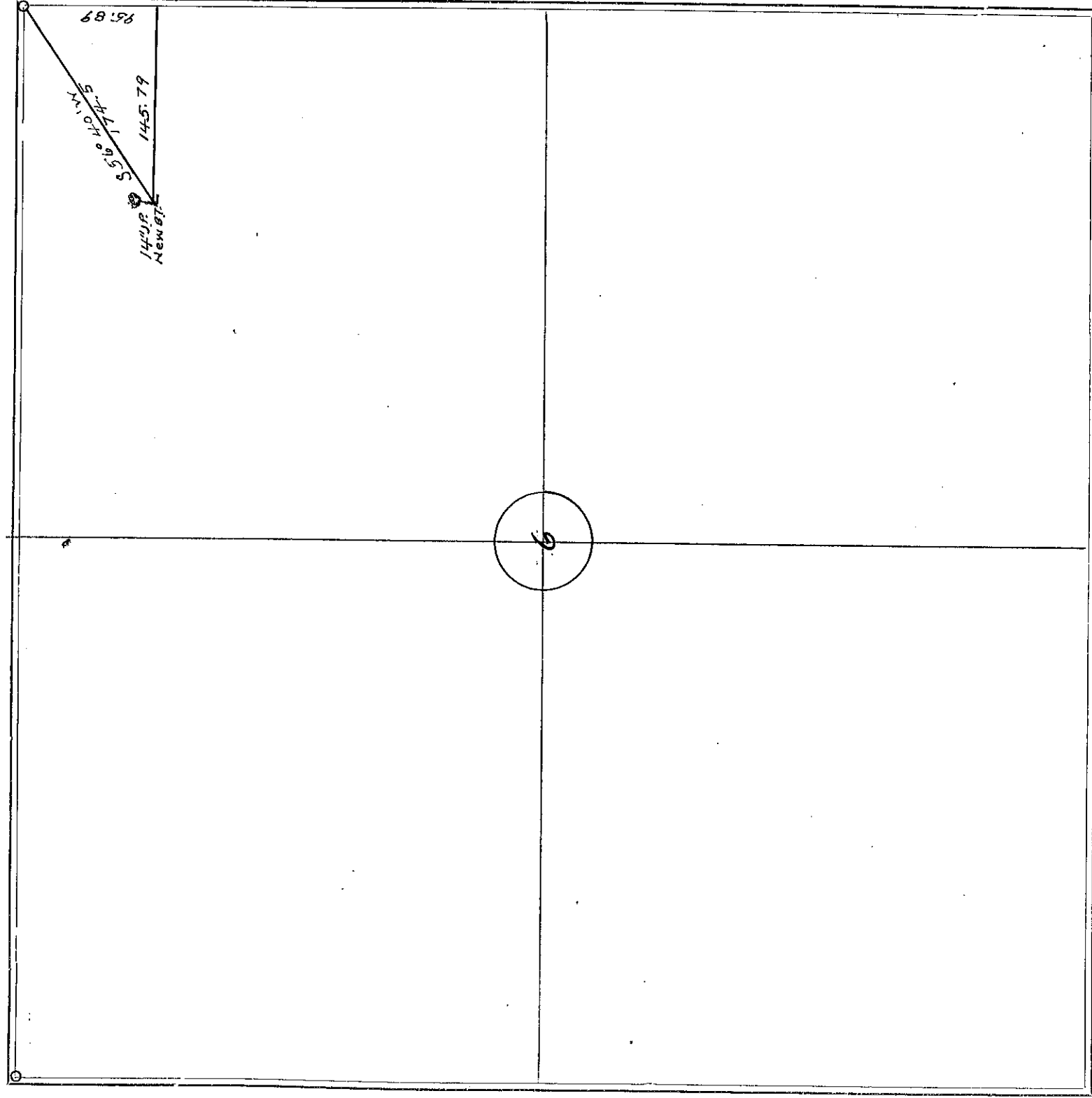
FIELD NOTES.

Survey extends over

Sections	5 and 6	T 133	R 28
"	30-31-32	" 134	" 28
"	1	" 133	" 29
"	24-25-26-35-36	" 134	" 29
Crown Wing Co Minn			

Field notes of the survey of a County road to be 3 1/2 miles long, beginning at the S.E. corner of Sec 31 in the center of State Highway No 7 Township 134 N Range 28 W and running thence 1 mile West: thence 1 mile North: thence 1/2 mile West: thence 1 mile North to connect with State Highway No 7 at or near the 1/4 corner on the South side of Section 24. Twp 134 R 29.

John W. Puro transitman and chairman with engineers transit in perfect adjustment and a 300 foot standard steel tape and plumb-bob: perfect chaining and perfect line
 Harold W. Puro, Ivers P. Babcock and Arthur E. Johnson assisting in chaining and cutting brush etc
 Fred H. Johnson chd. brush.
 At the corner to sections 5-6-31-32. between



FIELD NOTES.

Notes continued From Page 123.

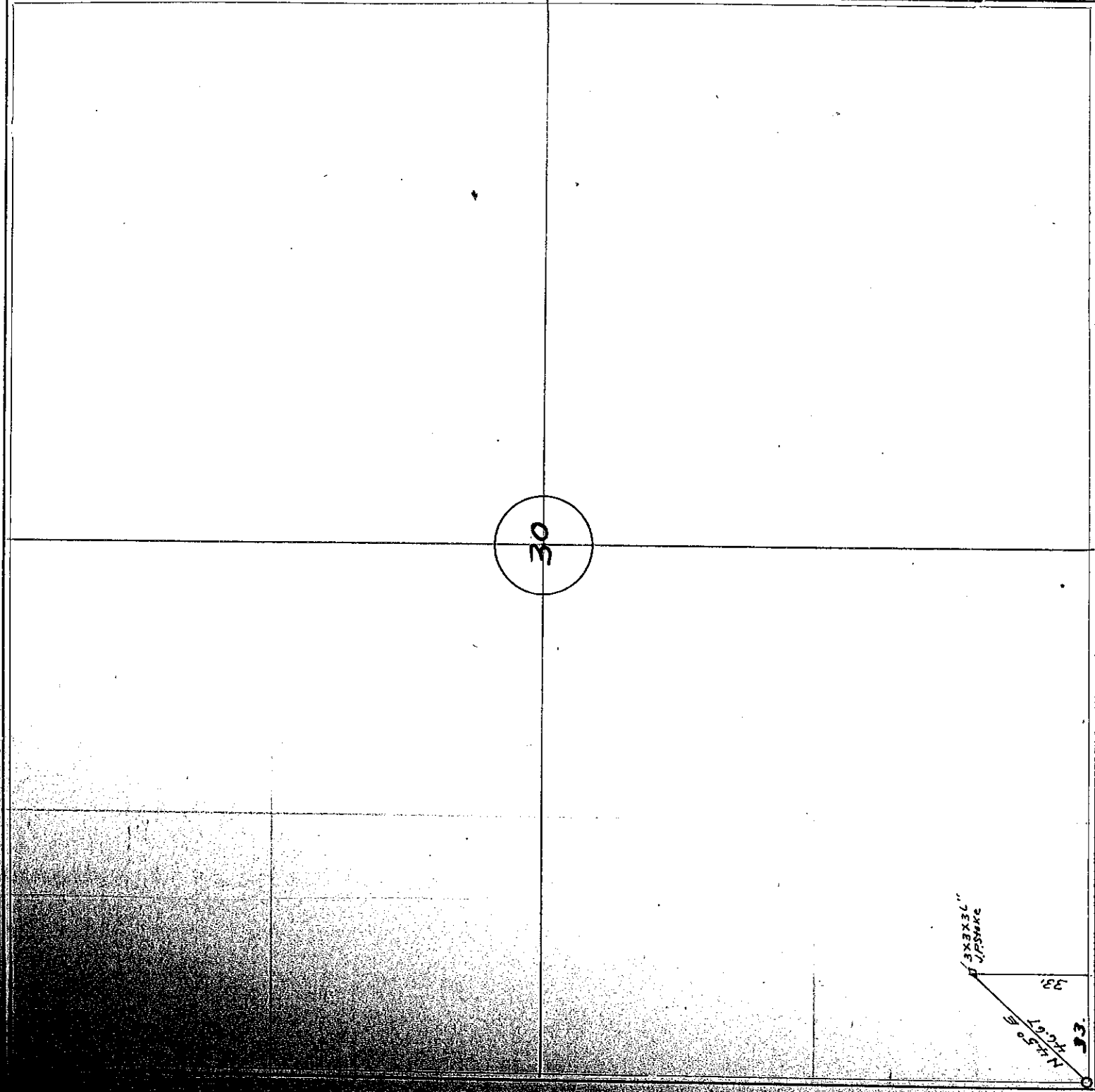
Townships 133 and 134 N. Range 28 W. we find the old stumps of the NE and SW original U.S. bearing lines and from these we establish the point for the lines corner by proportional measure and courses. We drive the point of a broken auto spring, 8" long by 2" wide by 1/4" thick in the center of State Highway No. 7 for the line section corner and mark new bearing lines as follows: We run in Section 32: N 53° 25' E 122.70 feet to an 8 inch Jack Pine; then West 98.5 feet; then South 73.1 ft to corner; thence in Section 31: N 53° 48' W 201.8 feet to a 7 inch Jack Pine; thence East 118.0 feet; then South 163.7 feet to corner; thence in Section 6: S 56° 40' W 174.5 feet to a 14 inch Jack Pine then East 145.8 feet; then North 95.9 feet to corner; thence in Section 5: S 49° 15' E 154.4 feet to a 9 inch scrub Jack Pine; then West ~~117.0~~ 117.0 feet; then North 100.8 feet to the section corner the place of beginning.

All measurements taken to a flat spot we make at the base of each new bearing line. Courses turned from the lines line looking South along the graded road.

Variation reads 9° E. magnetic

Going a mile West to the Township corner, being the Cor to Sections 1, 6, 31 and 36. Townships 133 and 134 N. Range 28 and 29 W we find an iron monument, being a 1X1X9" inch dug south, driven thro the point of the old rotted Top Cor stake. It is (0.6) six limbs of a foot East of the center of an old rotted SE Cor post of a 2. wire fence running West; this Township Corner was previously established by County

Notes continued On Page 125.



FIELD NOTES.

Notes continued from Page 194.

Surveyor Garrison and every one of the surrounding land owners know where it is and it is fully accepted and recognized as the true Township Corner; this was also located by me last summer and accepted in other surveys.

We establish the following new bearing trees: Back sight East along the line line as a base; Magnetic variation reads about 8° E. We run:

In Section 31. N 36° 40' E 47.2 feet to a 4 inch oak tree; thence to place of beginning; thence

In Section 36: N 32° 04' W 107.8 feet to a 10 inch Jack Pine then South 91.4 feet; then East 57.2 ft to Twp Cor; thence

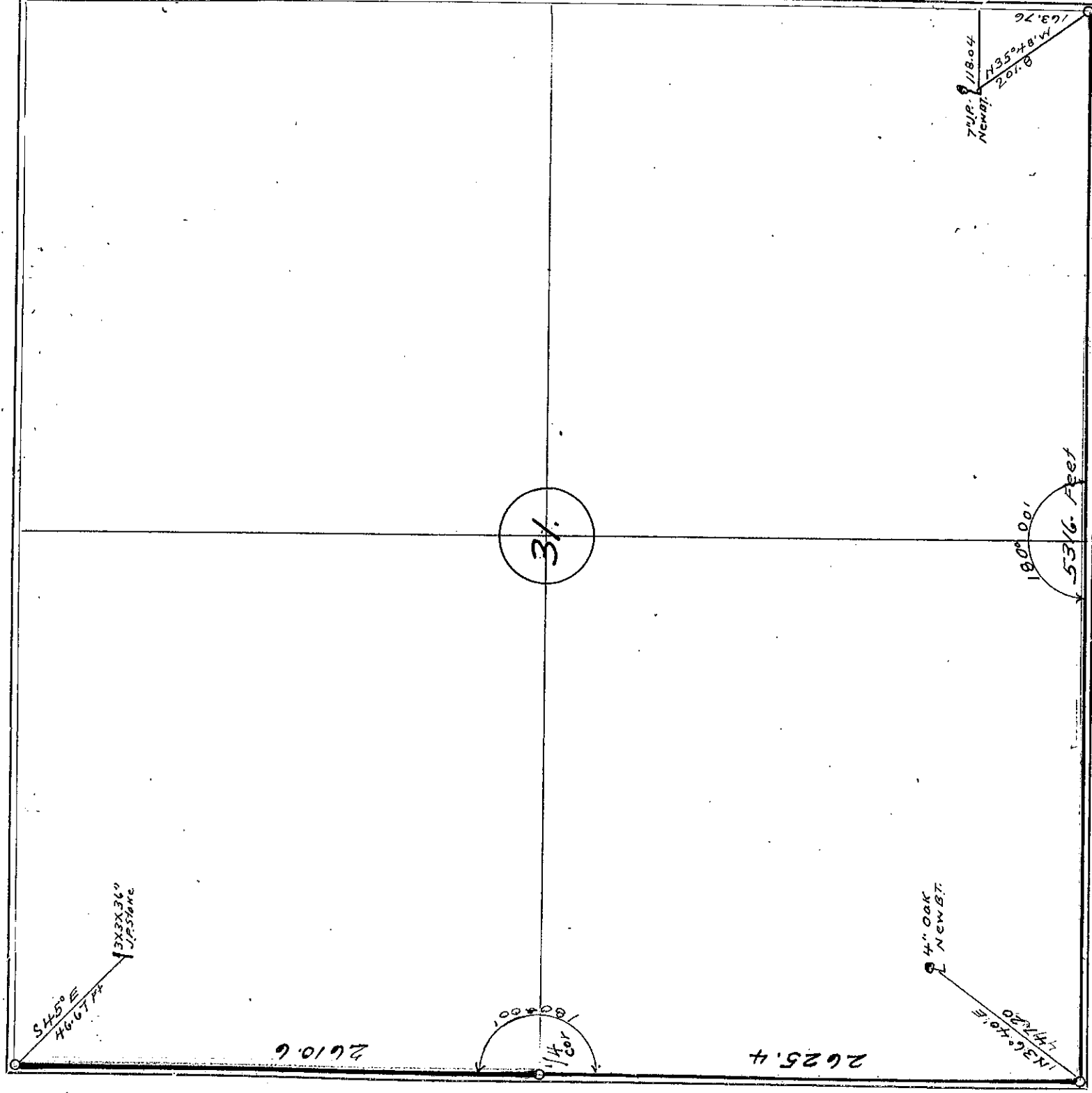
In Section 1: S 81° 29' W 87.8 feet to an 8 inch Jack Pine tree then North 13.0 feet; then East 86.8 feet to Twp Cor place of beg

From which we run S 45° W 46.7 feet where we set a half stake marked "Road Limit". From this Twp Cor we run:

East on random between Sections 6 and 31 - on about 8° 30' E following the general course of a crooked road and setting stakes every 300 feet: Ht 1975 ft E, Culvert sit in small ditch N and S: at 2677 ft E an old fence runs N and S; Mr Robert

W. Adair who owns the SW of SE 1/4 of Sec 31-134-28 says he and his neighbors built that fence some years ago and thought they had it about two rods East of the 1/4 corner:

Ht 3700 East the line of road runs NE. around the North end of a meadow: Ht 3780 E. Hub on hill; on road 8° 30' E: at 3900 ft East enter meadow - bears N and S: at 4002 East old fence runs North: at 4250 Leans meadow - bears N and S: at 4270 enter NW Cor of corn field: 4520 L v corn field 50 ft South of N.E. Corner; Notes continued on Page 196.



FIELD NOTES.

Notes Continued From Page 125.

at 4950 enter meadow - bears N and S; at 5316 intersect E of State Highway N 27. at a point 27.4 ft North of Corner to Sections 5, 6, 31 and 32.

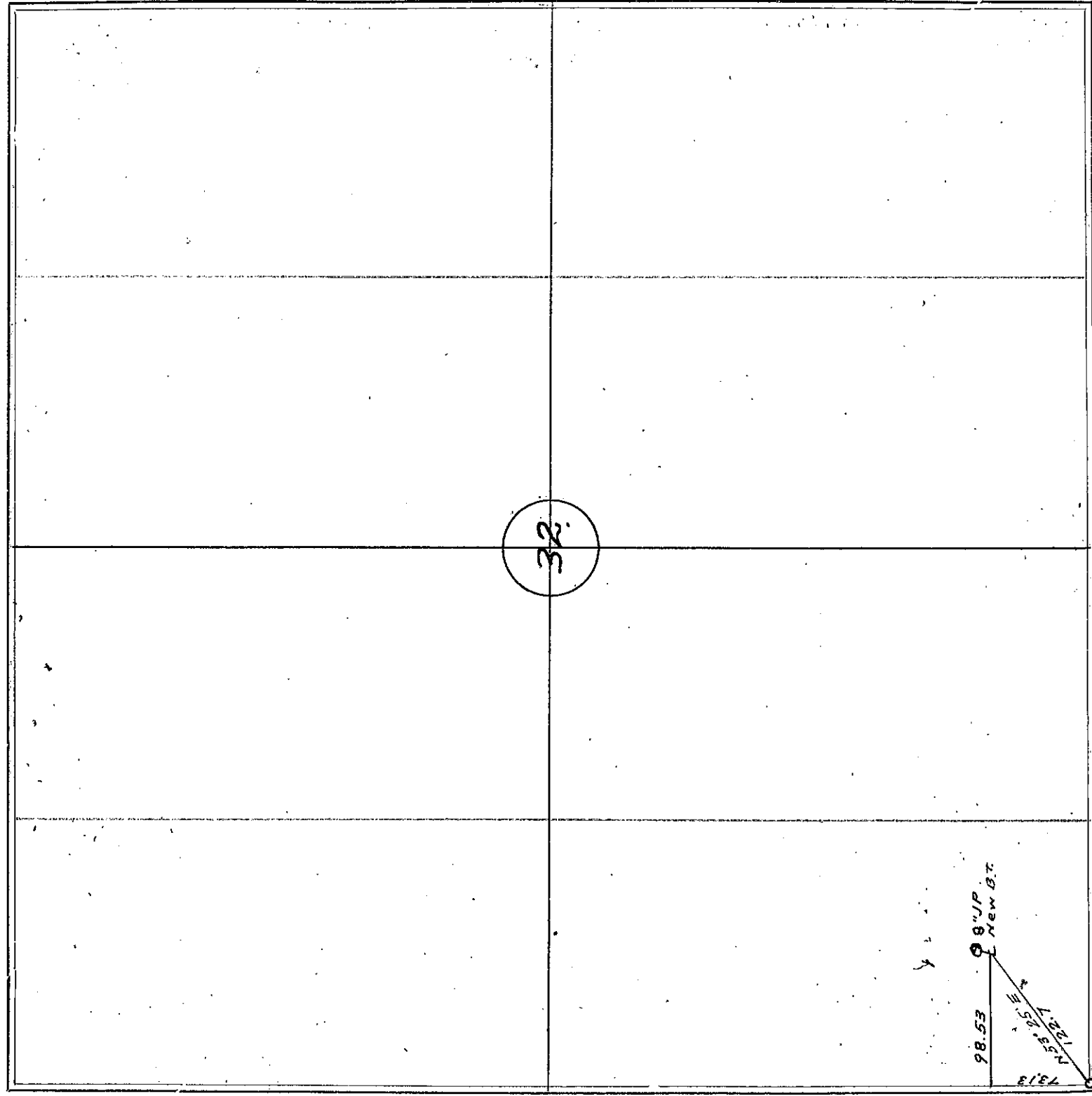
Correcting Back

Correction of random line between Sections 6 and 31 equals .005154 of a foot South for each foot East or 0'18". We correct the entire mile straight and set good hubs and laid stakes marked "True Section Line" Road Center. Hubs and stakes set every 300 feet.

At 3780 East we chain South 90° to random line and set hub on line line marked P.O.T. with lies as follows 6" I. Pin N.W. 71.00 feet; 4" Jack Pin S.W. 65.85 feet

Beginning at the Township corner we run North on random line between Sections 31 and 36 Town 134 N. between Ranges 28 and 29 W. following an old transit line run last summer by Harold J. Cress and myself. Set stakes every 300 feet; at 776 ft N, small ditch E and W - culvert pit; at 1312.7 N old fence E and W; at 1612 ft N. small ditch E and W - culvert pit; at 2528 N, main line road NW and SE; at 2625.4 N. Cross a fence running East at a point 2 feet East of an iron set by Cornly Sawyer Harrison for the line 1/4 corner between Sections 31 and 36. This iron 1/4 corner is accepted and recognized as the line 1/4 corner by the surrounding land owners and they

Notes Continued on Page 127



FIELD NOTES.

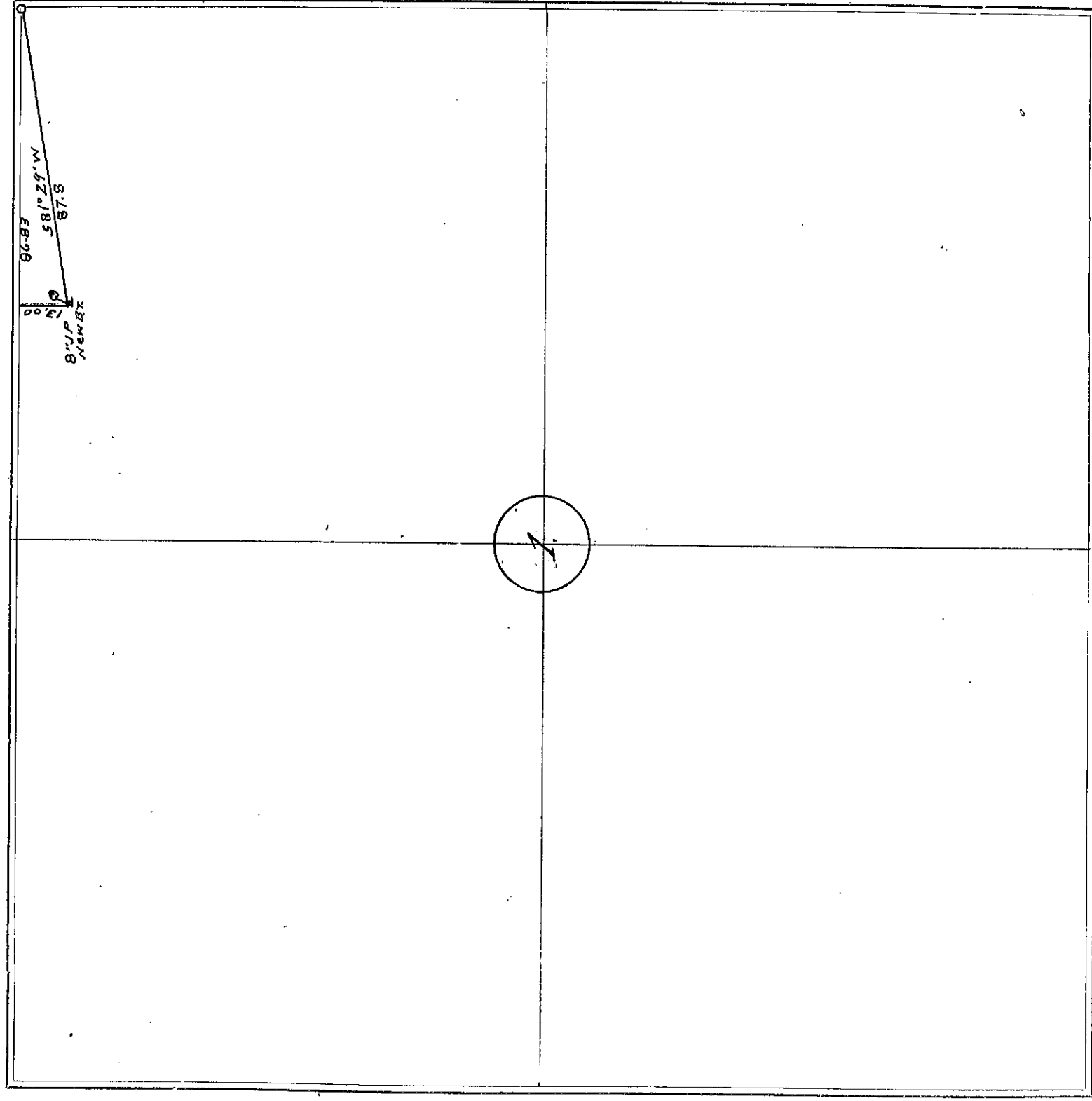
Notes Continued From Page 196.

have built their fences from the same: this 1/4 corner is about 5 feet East of a ditch running NE and SW: From about 2750 N. to 2985 N we almost follow an old ditch: at 2990 enter meadow East of at 3866 fence runs East: at 4125 leave meadow - enter plowed field: at 5126 crooked fence runs NW, about 70 feet then West: at 5172 crooked road NW and SE: at 5202.5 fence runs East: 5237 fence runs West: enter meadow.

Correcting
We correct nearly the entire mile of line so as to extend from the Twp corner straight North a mile passing through Harrison's from 1/4 corner. Correction of random = 000.76 of a foot West for each foot North and at Harold's old hub 4272.4 North we chain West 3.25 ft and set hub on line over which I set transit, both right nearly a mile South on Twp corner and also on iron 1/4 corner then extend our line North past the corner to Secs 25-30-31-36 then find the stump of the old SE 1/4 bearing line, very plainly marked from which I set a 4x4x36 inch pine post in the center of my transit line for the line corner to Section 25-30-31-36 7134 N Ranges 28-29 W and as there are no lines near I drive a 3 inch pine stake N 45° E 46.67 feet in Section 30 and a similar stake S 45° E 46.67 feet in Sec 31.

In Section 30: N 45° E 46.67 feet to a 3 inch witness stake then South 33.0 feet: then West 33.0 feet to sec corner the place of beginning. I show Arthur E Johnson and

Notes continued on Page 198



FIELD NOTES.

Notes continued From Page 197

Fred H. Johnson the plain marks on the old S.E. U.S. bearing line: Bath Johnsons are land owners and residents here.

I set a good hub and laid stakes every 300 feet along the line line for the mile, between sections 31 and 36 and mark the stakes "true section line" "road center"

At a point 5236. feet North of Township Corner we intersect the corner to sections 25-30-31-36 which sets 1-foot bands of and 3 feet West of the S.E. corner of a fence.

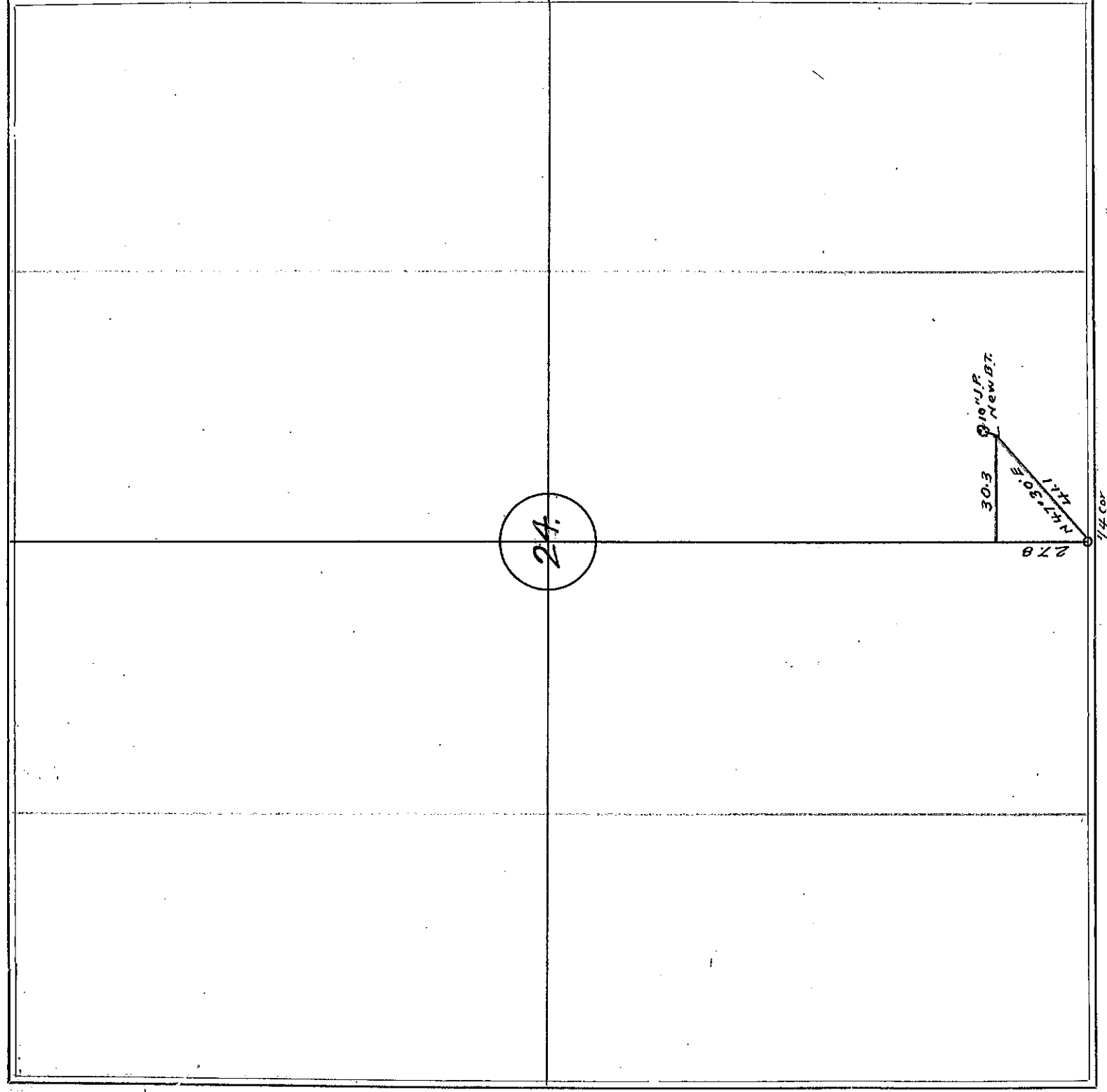
Going a mile West to the corner to sections 25-26-35-36 Twp 134 N R 29 W we find all of the old U.S. bearing lines from which I set a 3x3x20 inch stakes for the line corner and mark the following new bearing lines: From this stake I run

In section 25: N 49°30'E 55.00 feet to a 10. inch Jack Pine line: then West 41.8 feet: then South 35.7 feet to Set Cor. then In section 26: N 50°12'W 61.85 feet to a 9 inch Jack Pine line: then East 47.5 feet: then South 39.6 feet to section corner, then

In section 35: S 60°30'W 63.35 feet to a 9 inch Jack Pine line: then East 55.2 feet: then North 31.2 feet to Set Cor: then In section 36: S 45°05'E 57.00 feet to a 12. inch Jack Pine line. Courses turned @ 10° Var from random line staked East. Measurements taken to flat spot at base of line. From here we run

East on random line between sections 25 and 36 Cor 10° E: Set stakes every 300 feet: At 1329. E. Cross all N and S. fence about 2. rods N. of E. and W. fence:

Notes continued On Page 199.



FIELD NOTES.

Notes Continued From Page 198.

at 2690 E cross N and S fence 46.00 feet N. of E. and W fence:
at 5234.2 East the corner to sections 25, 30, 31, 36 bears S 22° 06' E
44.00 feet or 15.12 ft East and 41.32 feet South

At 5249.32 feet East this corner would set South 41.32 feet
Correction

Correction for the mil of random line between sections 25 and 36
7134 N R 29 W would be .00787 of a foot South for each foot
East or 0.28'

As the 1/4 corner between sections 25 and 36 has never been
found according to testimony of all settlers including the
two Johnsons with me, I put in the 1/4 corner as follows:

At 2617.10 ft East on random, from S 22° 06' E 22.00 feet
where I set a 3x3x40 inch jack pine stake for the 1/4 corner
between sections 25 and 36 7134 N R 29 W from which I put
flat spot on two fence posts which stand as follows:
Fence post S.E. 36.80 feet

" " SW 34.20 "
Then correct up the East half mile and set hubs and
all stakes every 300 feet marked "True Sec Line" "Road Cen"

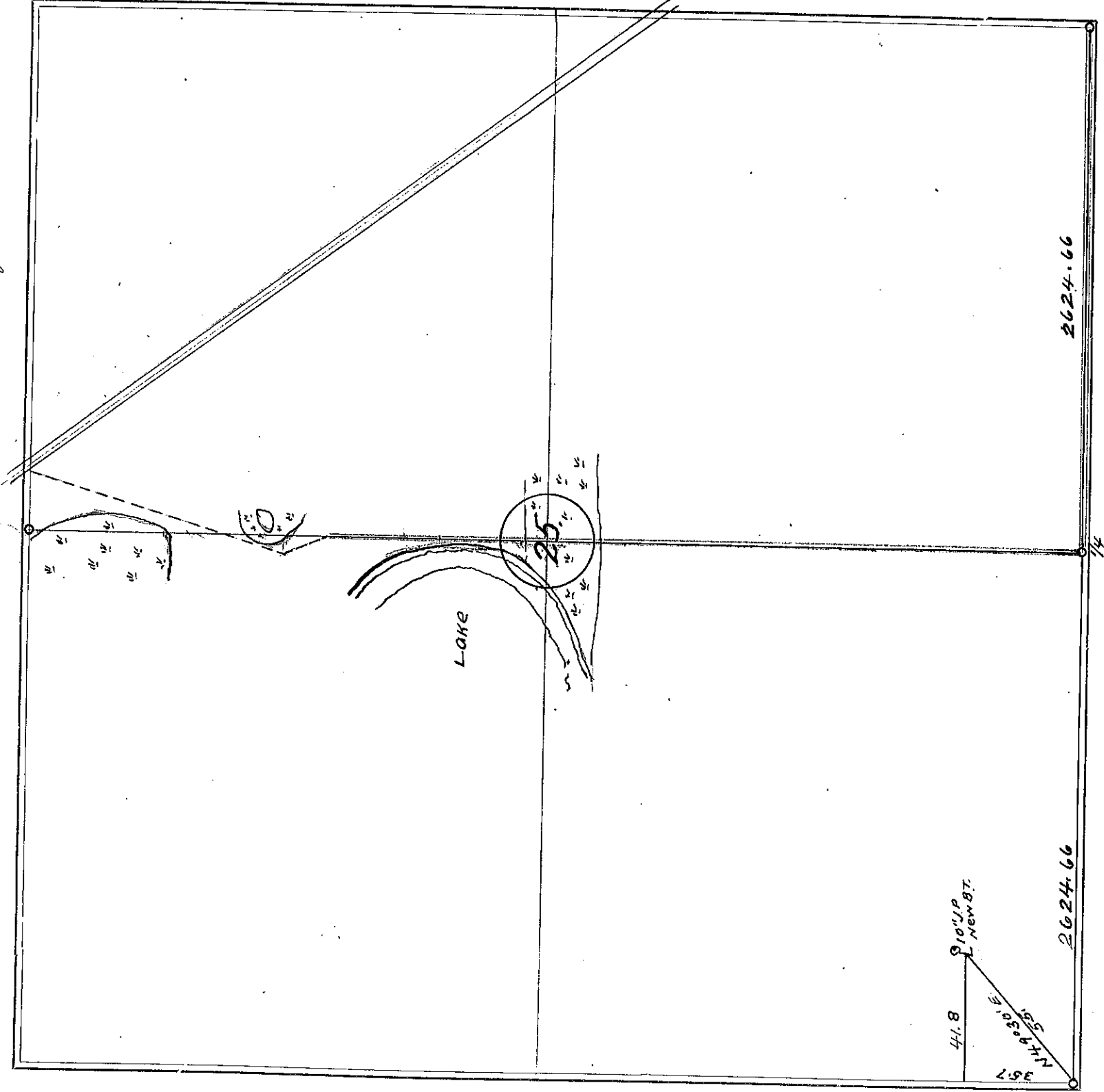
North on random line the center of Sec 25 Var 9° E
set stakes every 300 feet: at 2425. N. enter wet wire

grass bog: no way to get around it
Bog runs West about 600 feet to solid ridge of
land on sea wall of small lake: at 2638 N. cross

Notes Continued On Page 200.

SURVEY No. 142

Section 25 Town 134 Range 29 5:14 PM



FIELD NOTES.

Notes Continued From Page 199.

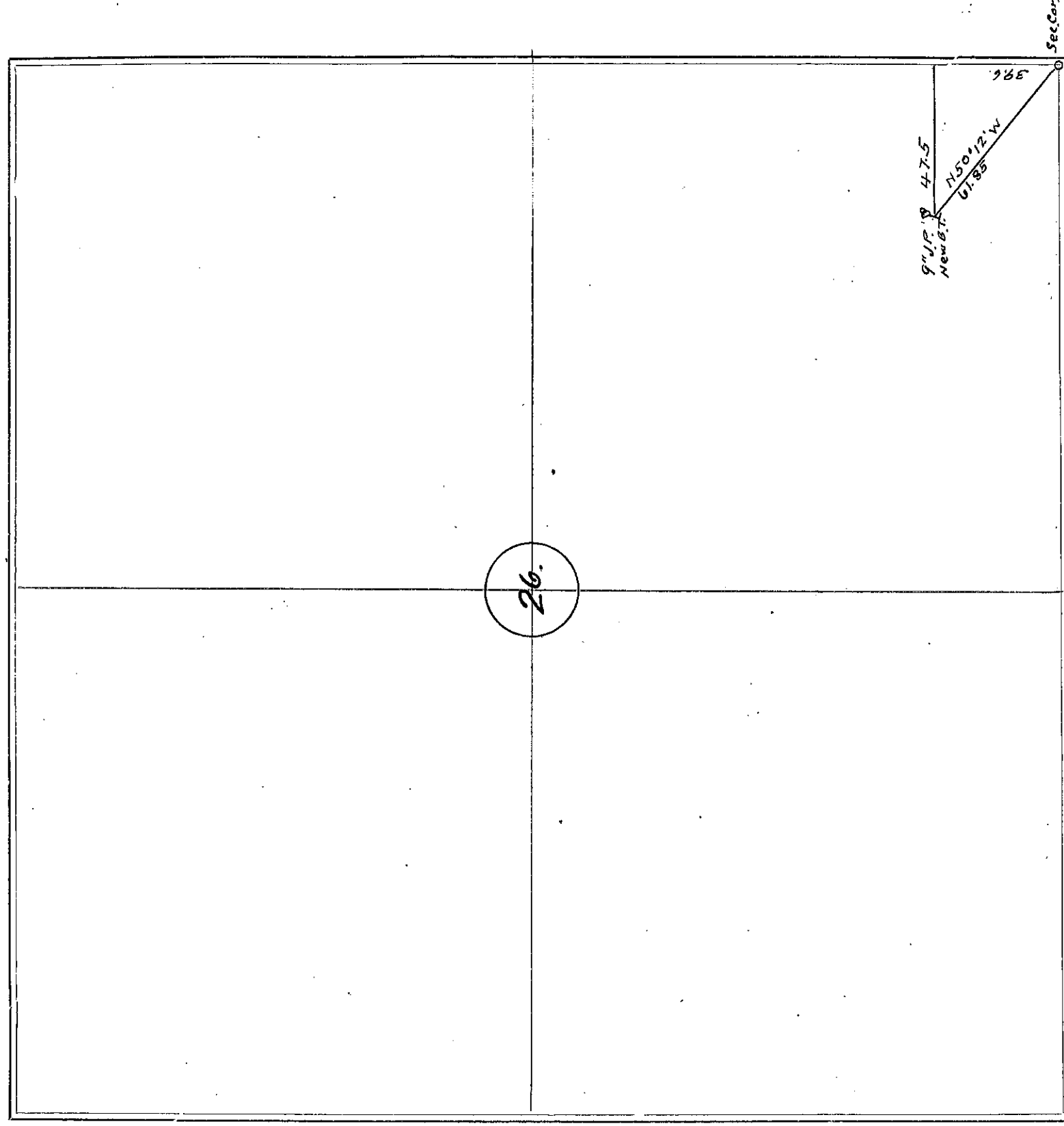
East and West well fence at 2725 L.V. bog - bears NE and NW: Bog runs 100 feet to sea wall on E. side of lake:

At 2735 enter small thick jack pine timber: at 3000 N. we are 30 feet East of top of sea wall and 50 feet from sand beach: at 3150 N. we are 5 feet East of East edge of sea wall which is 20 feet wide on top: at 3300 we are about 25 ft East of top of sea wall - Lake runs N. W.

At 3707 N, cross wire fence - L.V. jack pine - enter plowed field: at 4100 enter West edge of small wet marsh - bears NW and SE: at 4200 N. we are 25 feet West of water's edge of little 4. rod lake

at 4300 leave marsh NE and SW marsh is in plowed field: at 4573 set hub: leave field. This field is plowed except bog in center and the road should swing a short distance West around bog for a good road

Notes Continued On Page 201.



FIELD NOTES.

Notes Continued From Page 200.

at 4550 (4650) North end of S.E. corner of wet marsh: We follow along east edge of marsh 25 feet from shore where there is a thick growth of 5 to 10 inch jack pine all around marsh: The belt of jack pine is about 100 feet wide.

at 4800 N. we are 25 ft west of edge of marsh: at 4950 N. we are in very wet marsh 100 feet West of East shore of marsh at 5000 N. we are 35 feet West of shore:

at 5200 Leave marsh at 5261.00 North the 1/4 corner between Sections 24 and 25 T134 N. R29 W. Set 5 West 6.40 feet:

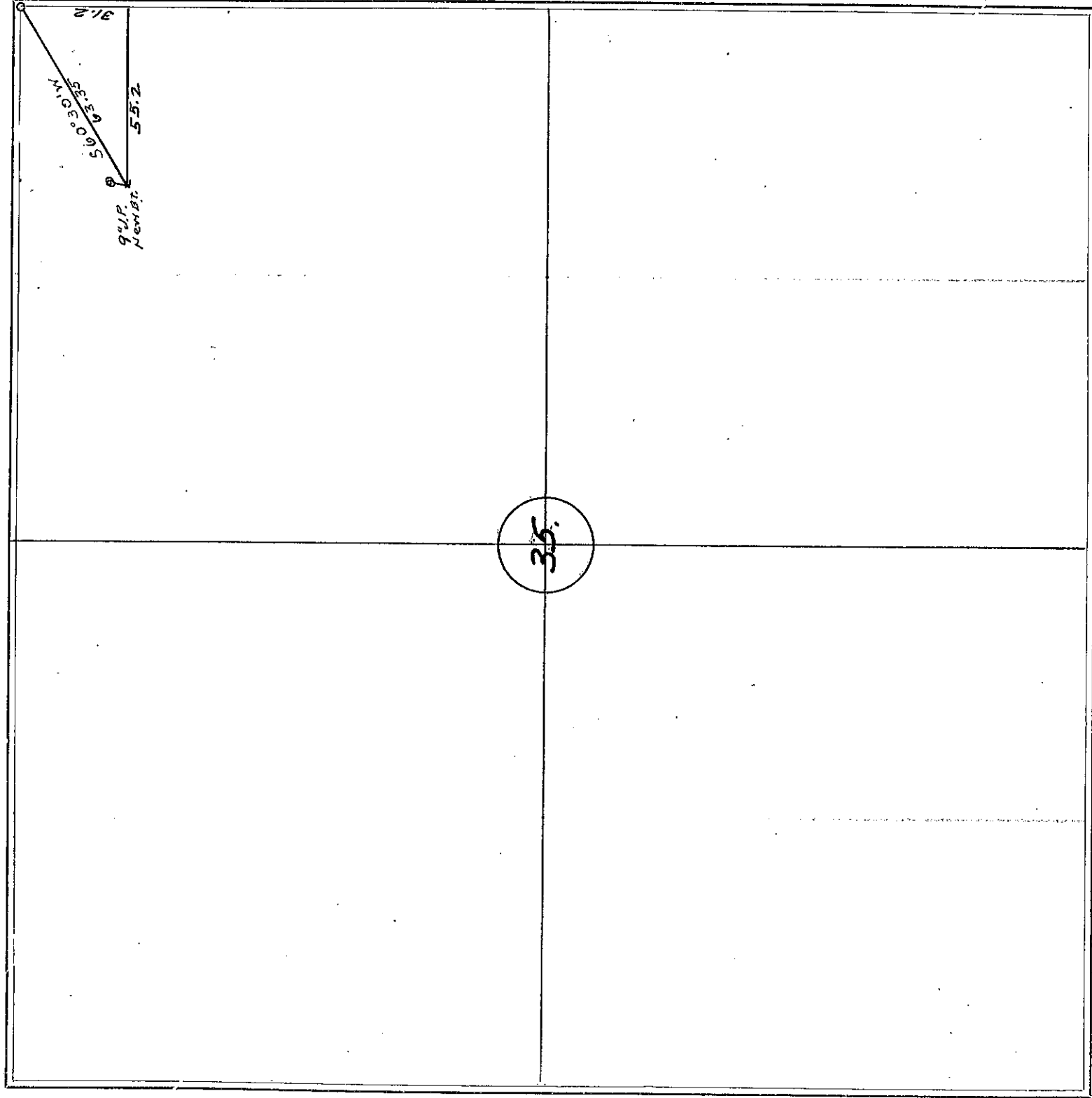
At this point we set a 2x2x40 inch jack pine stake for the line 1/4 corner at a point where we pull up the old 1/4 corner post which was set at the S.E. corner of an old fence running North and end another fence (very old) running West.

At this 1/4 corner between Sections 24 and 25 T134 N. R29 W. we mark new bearing lines as follows: we run

Notes Continued On Page 202.

SURVEY No. 142

Section 35 Town 134 Range 29



FIELD NOTES.

Notes Continued From Page 201

In Sec 24: N 47°30'E 41.10 feet to 10 inch jack pins line; thence West 30.3 feet; thence South 27.8 feet to the 1/4 corner from which a 10 inch jack pins line bears S 53°30'E 73.00 feet in Section 25. @ 9° Van set with compass and steel pipe.

Corrections

Correction for this mile is .001216 of a foot West for each foot North or 0°04'. We correct this mile of line South and set good pins hub and tail stakes every 300 feet marked "Take New Line" "Road center" along the road center line of Section 25 T 134 R 29

Note: As it will not be practical to build this road across the marsh just South of the 1/4 corner between Secs 24 and 25, the road should angle at about 4500 N. and S

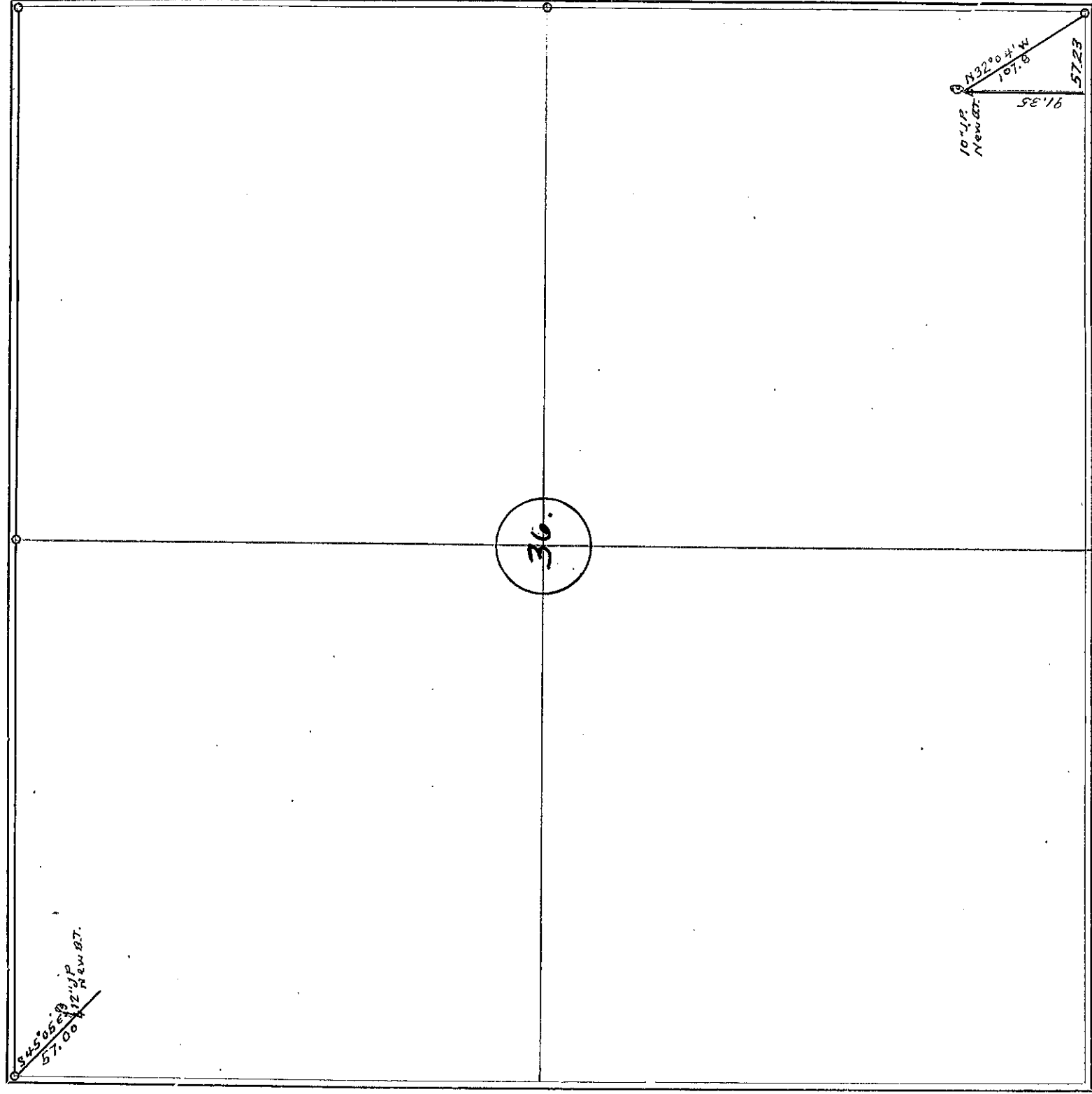
Notes Continued On Page 203.

SURVEY No. 142

Section 36

Town 134

Range 29



FIELD NOTES.

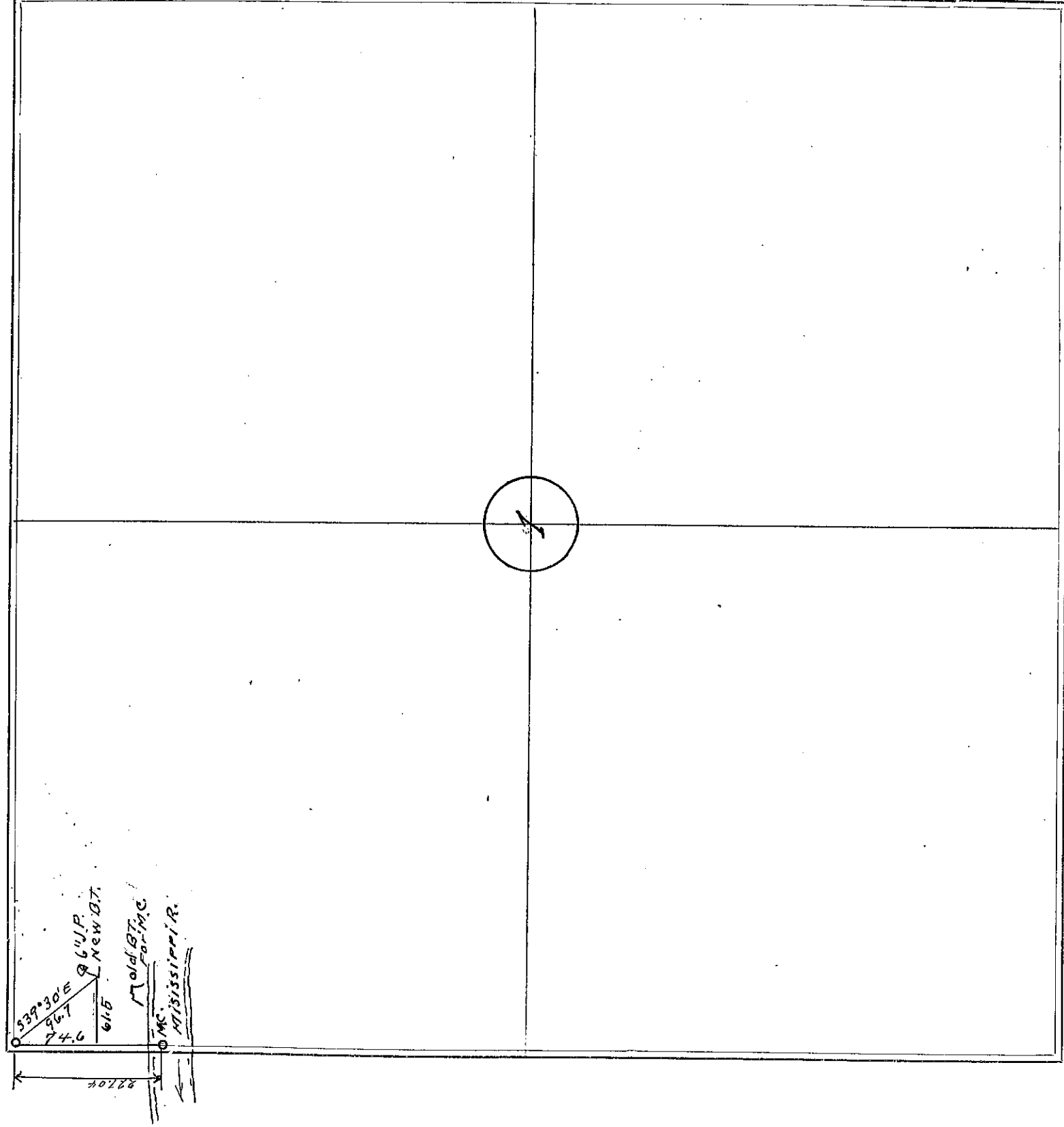
Notes Continued From Page 202.

run N.E. to intersect state road N^o 7, at a point where the fourth section line of Section 24 crosses same.

It would also be well to run the road around the West side of the bog at station 4200 North

Surveyed Oct 13th 1919 To Nov 23rd 1919
Recorded December 31-1919.

John H. Curo
County Surveyor
Crow Wing Co. Minnesota



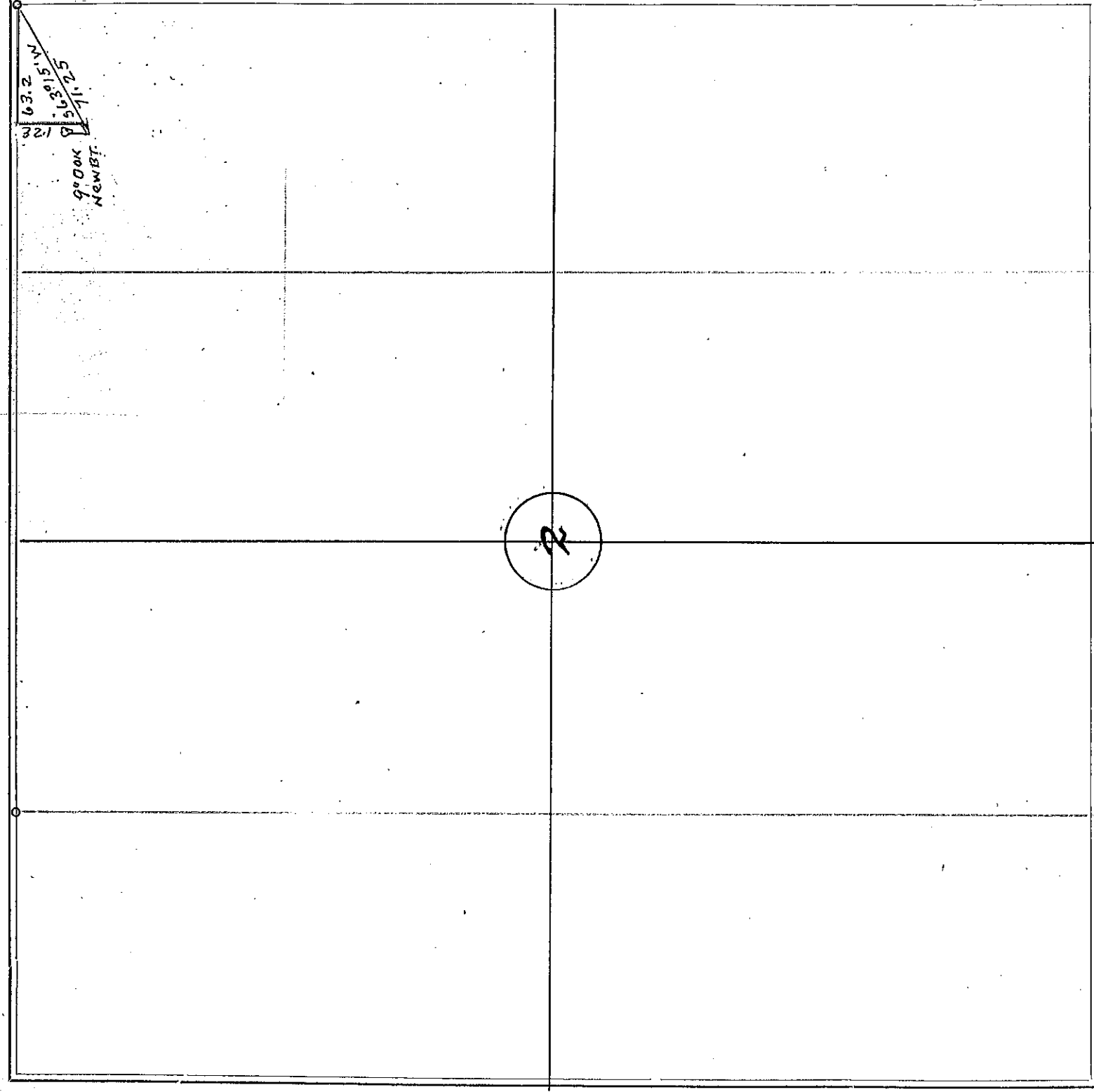
FIELD NOTES.

Survey by lands over

Sections	1, 2, 3.	T 135	R 27
"	26, 27, 34, 35, 36	136	27
Crow Wing Co Minn			

Field notes of the survey and establishment of new corners and new bearing lines and the location of old U.S. bearing lines and corners in sections 1, 2, 3, T 135 N, R 27 W and Sections 26, 27, 34, 35, 36, T 136 N, R 27 W 5th P.M. while working for Mission Township in the laying out of a Township road between Sections 26 and 35, T 136, R 27 and the laying out of a cemetery beginning at the $\frac{1}{16}$ corner at the NE corner of the NW $\frac{1}{4}$ of NW $\frac{1}{4}$ Sec 35-136-27 thence South along the $\frac{1}{16}$ line 305 feet; thence West parallel to the section line 294 feet; thence North 305 feet; thence East along the section line 294 feet to the $\frac{1}{16}$ corner the place of beginning and containing 2.06 acres; the North 33 feet of this tract being for a Township road and the balance for a cemetery.

Survey made by John W. Curo County Surveyor Crow Wing Co Minn with an engineer. Transit in perfect adjustment and a 300 foot standard steel tape and plumb-bob; perfect line and perfect chaining. Assisted at various times by H. T. Kimball - a J. Kimball; Harry Van Horn; Bert Sabin; E. L. Young; Harold W. Curo; Harold J. Curo; Peter E. Amos; Harry Drake; Harvey Drake and Gilbert Sabin. At the corner to Sections 26, 27, 34, 35, T 136 R 27, U.S. nails call for a post and the following bearing lines: While Pins 6" S 31 $\frac{1}{2}$ ° E 101. L 145 (= 66.66 feet) Birch 5" N 6 $\frac{1}{2}$ ° W 56 L 145 (= 36.96 feet) While Pins 10" N 33° E 64 L 145 (= 42.24 ft)

Section 2 Town 135 Range 27

FIELD NOTES.

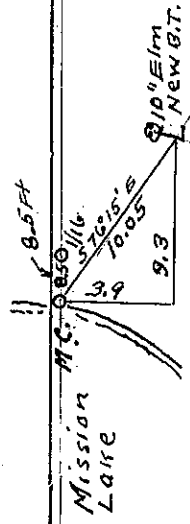
this is also meander corner and we put a 6x6x20 inch cement post set 3 years ago by Surveyor Glass for the line Section corner from which we run;
 In Sec 26: N33°E 42.24 feet to face of old B.T. stump: Thence West 23.0 ft thence South 35.4 feet to Section corner: thence

In Section 27. N 6°30'W 36.96 feet to the remains of the old B.T. thence East 4.2 ft; then South 36.8 ft to Section corner: thence
 In Section 35: S 31°30'E 66.66 feet to the old U.S. B.T. thence West 34.8 ft thence North 56.8 ft to the sec cor the place of beginning from which we run

East on random line between Secs 26 and 35 for 10°20'E (about) Al. Kimball and J.W. Cucco chaining: at 235 ft east set hub and back on top of hill: at 300 slabs; at 569 Cross old main road bears N and S: at 600 slabs; at 673.70 hub and back: at about 900 East, bottom of ravine or pocket which maybe too deep for practical road purposes: at 1000 East slabs; at 1153.3 Hub - Variation still reads 10°20'E; at 1300. hub; 1494.4 Hub; 1600 slabs 1700 Hub; 1900 bottom of slope; 2000 slabs: 2069 E. Center of "Brainerd & Dean Lake Road" bears N and S - runs northwesterly to Section: at 2095.7 Hub. Van reads 10°40'E; at 2100 slabs on ~~top of hill~~ at about 2250 bottom of hill; 2400 slabs; 2475.6 Hub on top of hill, Van reads 10°40'E; 2500 slabs; 2640 set hub for temporary 1/4 cor. bet Secs 26 and 35-136-27 where U.S. values call for Aspen 6"N 34°30'W 36 slabs; Aspen 6"S 31°45'W 48. hnds; All are gone and

lots of Jack pine and white pine trees and stumps extend for several hundred feet around in all directions with no sign of aspen or aspen; Continues East: at 2800 slabs; at 2819 Hub; Van reads 10°40'E; at 2985 Cross 3. strand tight wire fence 89.50 ft N. of SW corner; 3100 slabs; 3400 slabs; 3486 under Town Swamp bears N and S; 3700 slabs in cranberry bog; 3943 1/2 Bog; 4000 slabs; 4016.9 Hub; Van reads 10°40'E; at about 4100 under heavy oak and basswood timber in river bottom; 4300 slabs; 4476.6 Hub

Van reads 10°40'E; 4529, under R. bank of the Mississippi River near which point the U.S. value call for a meander post with B.T.S. 0.17



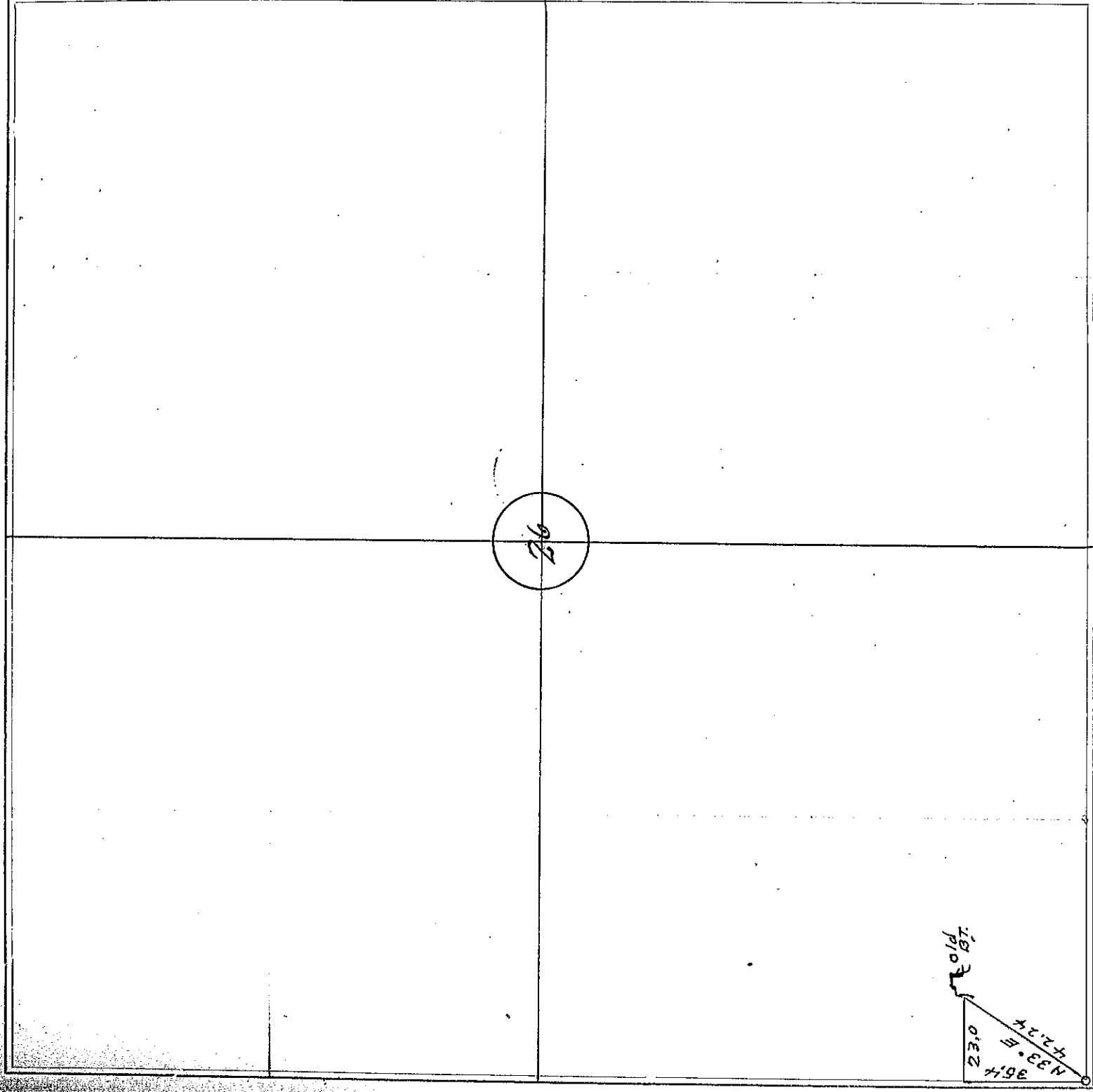
3

FIELD NOTES.

6 inch ash S 14° W 18 Lks (= 11.88 ft): 8 inch Link N 27° W 26 Lks (= 17.16 ft) We find the slings of the old SW bearing lies but as the river bank has washed away 100 much No permit setting the stake on land, I reverse the course and from this slings run N 14° W 11.88 feet where I set a stake on the line section line for the Witness M.C. which would be 5.76 ft West of the point Meander Corner and drive a stake for the Witness M.C. With Transit over Hub 44766 my Wit M.C. bears 48° 55' R 108.4 ft: Hence East 5.76 ft to the point for the line M.C. From Hub 44766 E, Witness M.C. bears S 41° 05' E 108.40 ft being 71.24 East and 82.7 South: At 4547.84 E the Wit Co sets South 82.70 ft and at 4553.6 E East the line Meander Corner would set South 82.71 feet: Correcting:

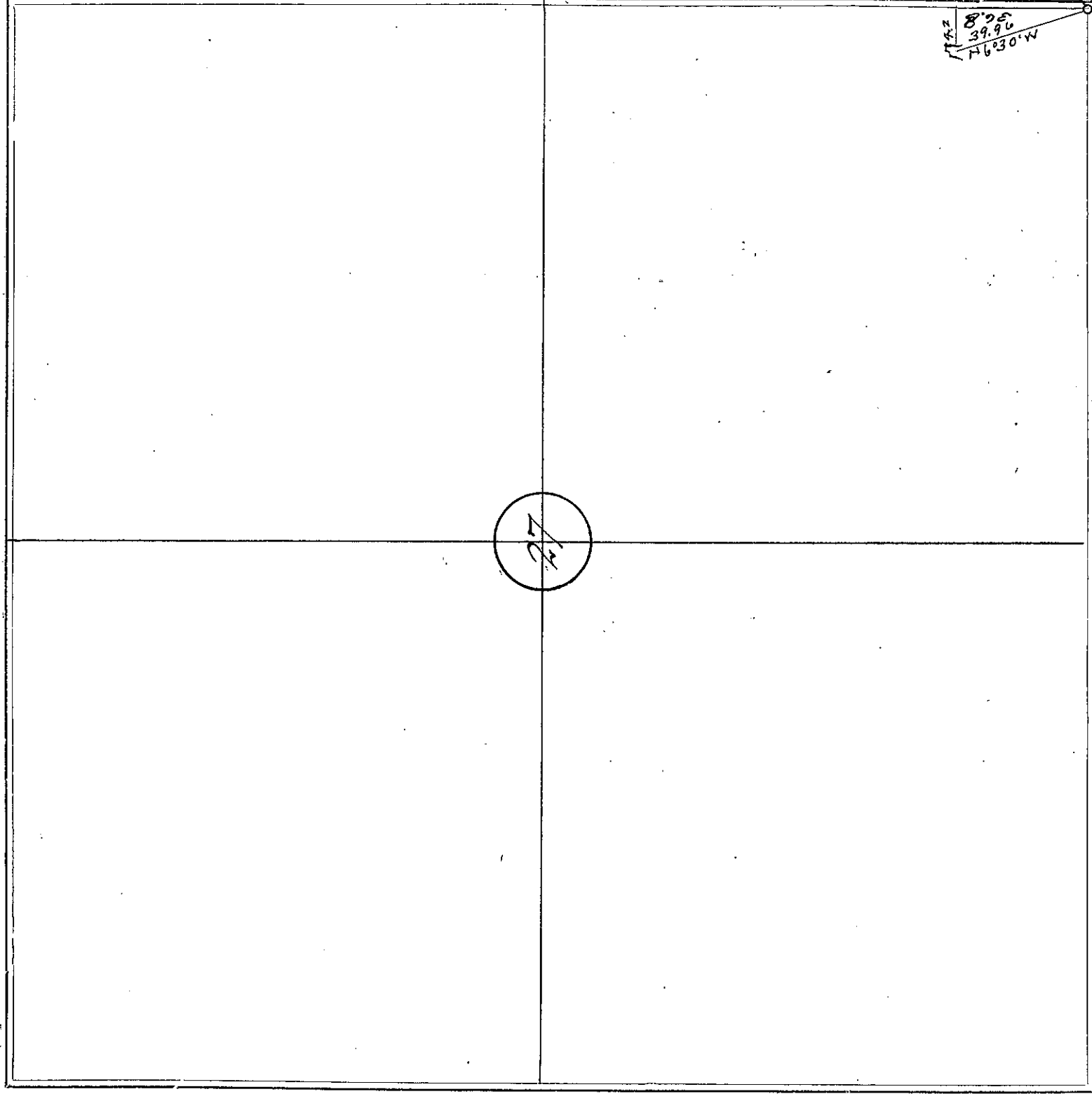
The correction of the line would be .018164 (= 1° 02') of a foot south for each foot East: US Valer give the length of this line as 6909 Links or 4559.94 feet and it is 4553.60 feet my chain by way of my random being 6.34 ft short via my random: Each Temporary corner I have set along this line would go .0013904 of a foot West for each foot it is East of the sec Corner: Correction for 1/16 Corner: Ht 1320 East 1/16 chain West 1.83 ft 1/16 1318.17 East: Then South at 90° to random 23.94 ft where we set a 2x2x20 inch stake for the True West 1/16 Corner between Secs 26 and 35, T136 R27: It figures 1318.37 feet for each "Foot" by way of the line Sec line between Sections 26 and 35 for 9° 38' E

From the True 1/16 Corner turn 90° to the line section line and run South for 9° 38' E on random West 1/16 line of Sec 35 T136 R27 - rough chain 661 Center of Brainard and Dean Lake road E and W: 690 Wire fence E & W: 900 H.O. in Sabins field: 1822 Hub 2000 S. corner wire fence SW and NE: 2400 Hub: 3414 Hub: 3900 Hub: On road 9° 50' E: 4500 S. Hub: 4775 South, brink of big hill. slopes South: 4800 S. set hub: Hence down hill: @ 5100 stake: 5200 foot of hill: 5210.5 Hub: 5260 good wire fence runs E & W: at 5280 South set hub for temporary West 1/16 Corner between Secs 2 and 35: 7135 and 136 R. R 27 W
 As the old U.S. Corners along the Town line between T135-136 R27 are hard to find we go to the Meander Corner on the E side of Mission Lake between Secs 3 and 34 where US Valer call for:



FIELD NOTES.

Pine 16" S 88° E 318 LKs (= 209.88 ft): Pine 18" N 88° E 286 LKs (= 188.76 ft) We find a ~~4~~ 4 1/2 x 4 1/2 inch ash post 3 ft above ground set for the line Meander Corner which checks out with course and distance to both old US bearing lines: We find two new bearing lines which closed as follows: From this M.C. post we run In Section 34 1 N 30° 50' E 24.50 ft to flat spot on 10 inch elm: thence West 12.50 ft: thence South 21.0 ft to the place of beginning: thence In Sec 3 T 135° N R 27 W S 67° 15' E 10.05 ft to flat spot on 10 inch Elm: thence West 9.3 ft: thence N 43° 39 ft to the M.C. Place of beginning from which we run East on random town line but Sec 3 and 34 or 9° 15' E: 300 stakes 576.5 ft: 600 stakes: 602 ends of main drained slage road NE and SW. @ 619 hinges of N. side of 4 foot gal: 900 stakes: 1187. Hub 1200 stakes 1320 E ends often Tamarack swamp: 1328.58 East set hub in swamp for limping 1/4 Cor but Sec 3 and 34 T 135° and 136 R 27 where US Valer call for: (Chain 10" S 69° E 114 LKs: Oak 8" N 68° E 78 LKs: All are gone and we continue East on town line: 1500 stakes: 1800 stakes not lined in with least: 1950 LK swamp: 2100 stakes: Stakes set every 300 feet: at 2584 Hub: 2692.4 Hub: 2891.8 Hub: 3000 stakes not lined in with least: 3400 ends N. end of Cranberry bog: 3425 LK same: 3501.6 Hub: 3900 Hub: 3914.5 E cross wire fence 140.5 ft ~~to~~ South of NW Cor post: 3968.58 E. Look for the 007 to Section's 2, 3, 34, 35 T 135° - 136 N R 27 W. where US Valer call for for: Pine 7 S 6° E 74 LKs (= 48.84 ft) Pine 7 S 1° W 96 LKs (= 63.36 ft) Pine 18 N 60° W 331 LKs (= 218.46 ft) No other tree near We do not find them and continue East random between Secs 2 and 35 T 135° - 136 R 27: at 4200 and 4500 set stakes: Chain 50 ft West and at 4550 E set hub, where we recede 8° 30' E: 4875 Hub: 5616.8 Hub: 6343.8 direct side variation reads 8° 20' E: 6570 Spikes on R. bank of Mississippi River - runs S.W.: 6600 stakes: at 6608.58 look for 1/4 Cor but Secs 2 and 35 where US Valer call for: Pine 18 N 38° W. 70 LKs (= 46.20 ft) Pine 14° S 18° E 51 LKs (= 33.66 ft) We do not find them and at 6889.08 set limps M.C. where US Valer call for: Pine 20 S 89° W 23 LKs (= 15.18 ft) Pine 22 N 15° W 39 LKs (= 25.74 ft) all are gone: at 6610 edge of water: thence up center of Mississippi River - very thin ice - Ranney Shale and John W. Davis Channing and

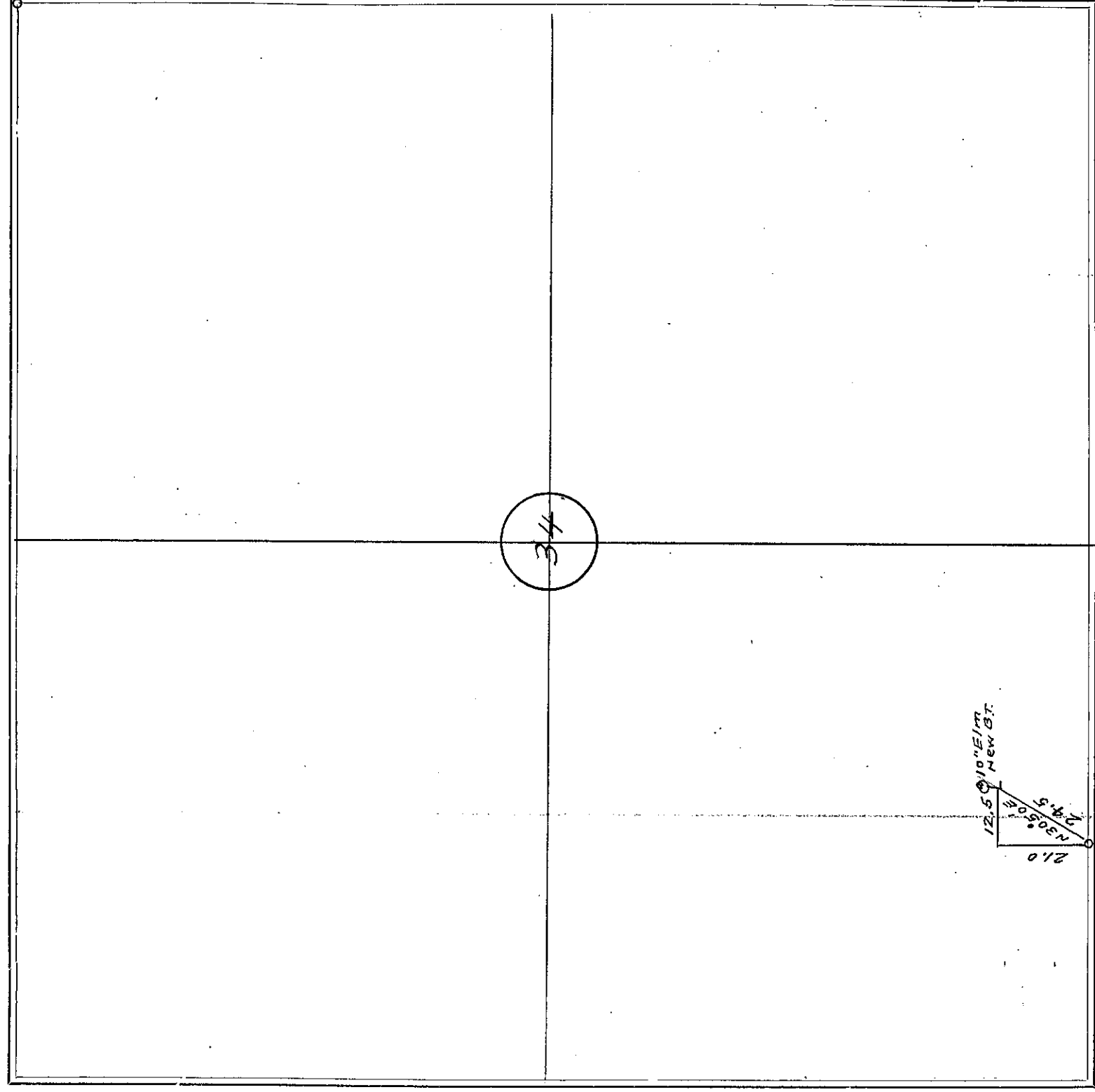


FIELD NOTES.

eraring long "safety poles" and hanging light to each end of the 300 foot steel tape: at 8080 L.V. River R. bank flow westerly: at 7974.12 the U.S. Nalis call for Meander Corner on R. bank being 50m 12" diam for corner: 8991.4 spikes in field: 9248.58 Hub Temp. Cor 15 Sec 2 262.2 hub on hill: 8801 spike on bluff: 8991.4 spikes in field: 9248.58 Hub Temp. Cor 15 Sec 2 1.2.35.36 7135-136 R 27 W where US Nalis call for: Pin 24 S 2° E 65 LK (= 42.90 ft) Pin 30 S 64° W 60 LK (= 39.60 ft): Pin 24 N 48° E 98 LK (= 64.68 ft): Pin 30 N 76° W 157 LK (= 103.62 Feet) We appear to be too far South but continue East bet Sec 1 and 36 at 9290 hub on R bank of river: 4300 stake: 9325 end of water edge: at 9697.38 East Temp M.C. on river where US Nalis call for: Aspen 10" N 20° E 18 LK (= 12.54 ft) "No other live near": all are gone: We appear to be about 150 ft too far South.

We go to the M.C. on N. bank of Mississippi River Bet Sec 1 and 2 7135 R 27 where US Nalis call for E 1m 63° 37' 30" W 33 LK (= 21.78 ft) Black Pin 7" N 38° E 90 LK (= 59.40 ft) We find the slings of the Trinch Black Pin plainly marked B.T. but as the bank is washed away I figure the position of the slings to set 46.81 ft N. and 36.57 ft E. of the M.C.: I set transit 46.81 feet North of the Meander Corner: then chain North 180.23 ft to a point 227.64 ft N. of M.C. where I set the transit and find all four of the old U.S. bearing trees and stumps which check almost perfect in distance being about 2 inches off in distance but perfect in course being from the line section line running South: all measurements correct by proportion

Mark new bearing trees as follows: From the section corner drum: In Section 36: 36 R 27, N 36° 50' E 64.12 ft to 11 inch Norway Pin: Hence West 38.4 ft: Hence South 51.3' to 15 Section Corner: Hence: In Sec 1 7135 R 27, S 39° 30' E 96.7 ft to a bunch of ash tree: Hence West 61.5: Hence North 74.6 to Sec Corner: Hence In Sec 2, S 63° 15' W 71.25 ft to a 9 inch oak tree: Hence North 32.1 ft: then East 63.2 ft to Sec Corner from which a 5 inch oak pin bears N 61° 05' W 59.5 feet in Sec 35. Corused and distance to flat spot at base of each tree The distance from this Sec Corner South to the M.C. is about 2 feet longer than U.S. Nalis call for 227.04 ft U.S. = 229.0 ft my chain at 9248.58 ft E. which in U.S. distance given in the 400 field notes, the corner to section 1-2-35-36 sets 97.58 feet West and 141.1 ft North: If 97.58 East this corner sets north 141.1 ft



FIELD NOTES.

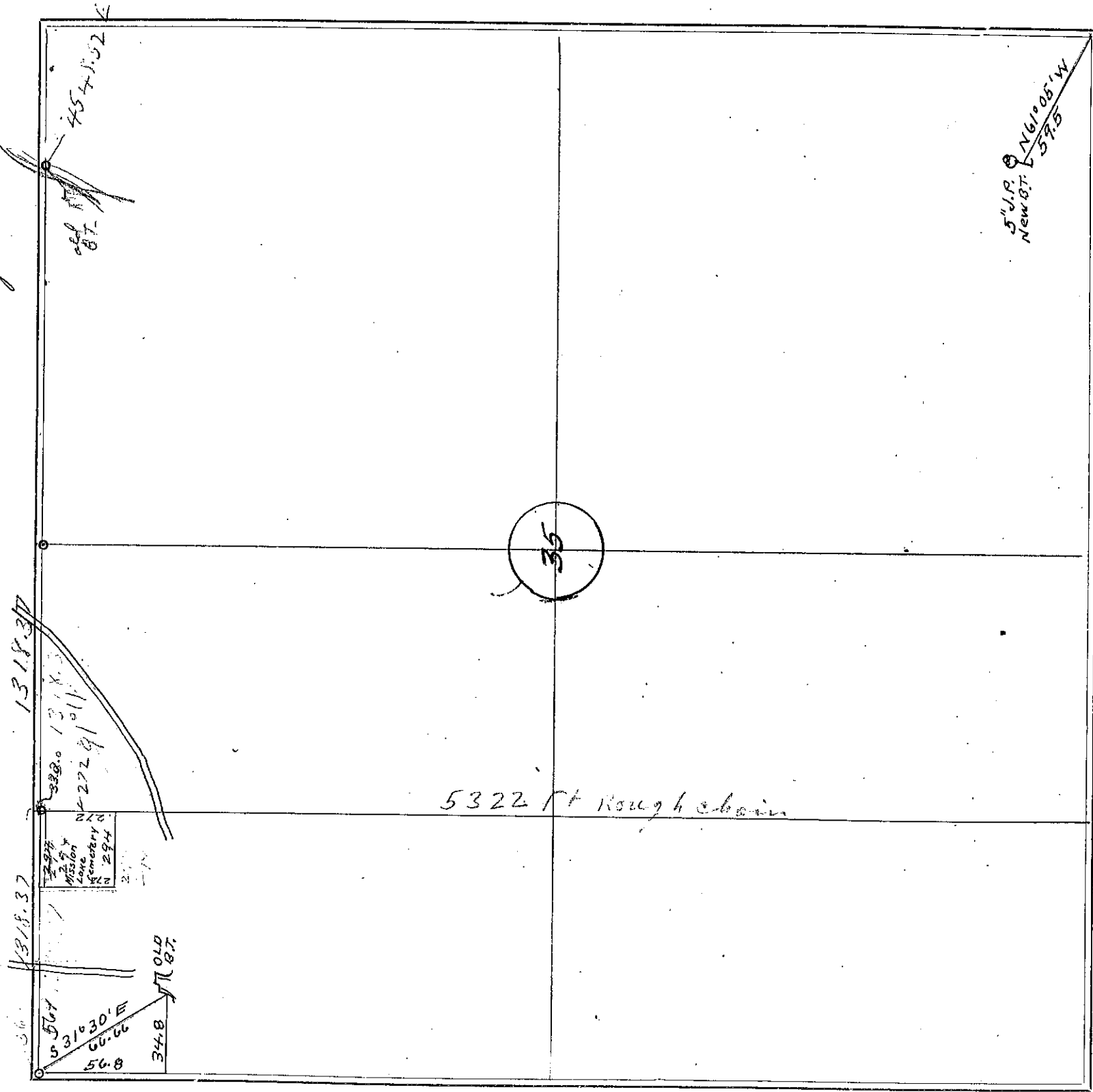
being 97.58 ft short by way of my random line. Walking $\frac{3}{4}$ of a mile West I set liantail on line for my $\frac{1}{16}$ hub 5280 S. where the random $\frac{1}{16}$ line reads 1024 E. and continues this line 125 ft South (not chained with Plumb-bob) South) intersecting my E and W random at a point 55 ft West of stake "5400 E" being at a point 5342.5 E. Figuring Corrections for Town Line viz: 19748.58 ft E, 0.5 chain goes West 97.58 to 9151.0 E. On random, then 1144.10 ft to the Cor of Secs 1, 2, 35.36 7135 $\frac{1}{16}$ R 27 W 7928.58 E. goes West 83.65 to 7844.93 E. then N. 120.97 $\frac{1}{16}$ pt for E $\frac{1}{16}$ Cor bet Secs 2 and 35. Hub 6608.58 E. goes West 68.72 ft to 6538.86 E. then N. 100.85 ft $\frac{1}{16}$ pt for $\frac{1}{4}$ Cor bet Secs 2 and 35. Hub 5288.58 E. goes West 55.79 ft to 5232.80 E. then N. 80.70 ft $\frac{1}{16}$ pt for West $\frac{1}{16}$ Cor bet Secs 2 and 35. Hub 3968.58 E. goes West 44.87 ft to 3926.71 E. then N. 60.55 ft $\frac{1}{16}$ pt for Cor Secs 2-3-34-35. 7135 $\frac{1}{16}$ R 27 W 2648.58 E. goes West 25.84 ft to 2622.74 E. then N. 40.45 ft $\frac{1}{16}$ pt for E $\frac{1}{16}$ Cor bet Secs 3 and 34. Hub 1328.58 E. goes West 14.02 ft to 1314.56 E. then N. 20.28 ft $\frac{1}{16}$ pt for $\frac{1}{4}$ Cor bet Secs 3 and 34. Hub 858 E. goes West 0.08 ft to 8.50 E. then N. 0.13 ft to a pt for West $\frac{1}{16}$ Cor bet Secs 3 and 34 7135-136 R 27. This correction = .01055 of a foot West for each foot East and .01542 of a foot N. for each foot East. The angle of my random with the line Town line is .01542 or 0°53' tangent. We do not correct at the above corners however, but put in the West $\frac{1}{16}$ Corner between section 2 and 35 as follows: It takes 5700 ft of chain E. 132.80 to 5232.8 E. where we drive a 20d spike on the random, over which I set the liantail. Line 90° to random and run North 80.70 ft where I set a 2x2x30 inch pyram stake for the line West $\frac{1}{16}$ Cor bet Secs 2 and 35. 7135-136 N R 27 W. Then setting over hub 5280 S. on the random $\frac{1}{16}$ line, this $\frac{1}{16}$ corner sets 3699 ft W 117.50 ft So that at 5321.73 ft S. (rough chain) the $\frac{1}{16}$ Cor would set W 109.84 ft. The angle of my random $\frac{1}{16}$ line with the line West $\frac{1}{16}$ line of Sec 35 would be .0206393 of a foot West for each foot South or 1°11' tangent. Setting liantail over line West $\frac{1}{16}$ Cor bet Secs 25 and 36 7136 R 27. focus telescope South on random line; then turn 1°11' W or to the Right and chain 3000 along the line $\frac{1}{16}$ line; At 33.00 ft set a 2x36 inch Iron Pipe Mon' for N.E. Cor of Mission L.A. Cemetery ground which is the South boundary of the trap road limit; then 33.0 ft more to 66.0 S. to a spike in stump; then 206. ft more to 272.0 ft South to a 2x2x10 inch wood hub; then 33.0 ft more to a point on the $\frac{1}{16}$ line 305. ft S. of the $\frac{1}{16}$ Cor where we set a 2x36 inch pipe mon. for the S.E. Cor of cemetery ground from which I run West parallel to the section

SURVEY No. 143

Section 35 Town 136 Range 27

1320
2640
3960

49
5270
4320
750

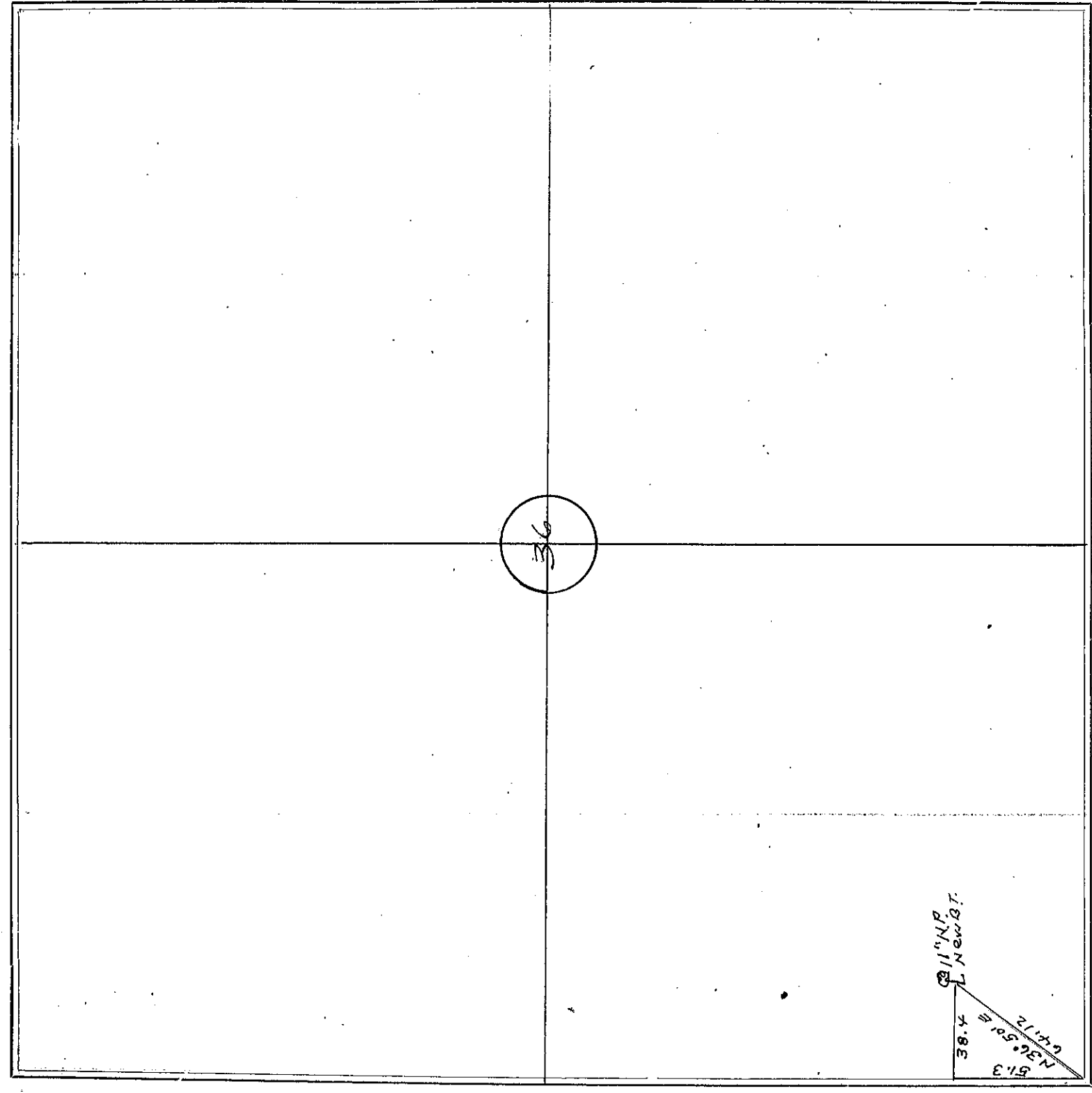


FIELD NOTES.

Line 294 feet and set a 2 x 36 inch pipe 2.14m from the S.W. Corner of the Cemetery grounds. Thence North 272.00 feet and set a 2 x 36 inch pipe 2.14m from the N.W. Corner of Cemetery grounds; thence North 33.00 feet to the

SURVEY No. 143

Section 36 Town 136 Range 27

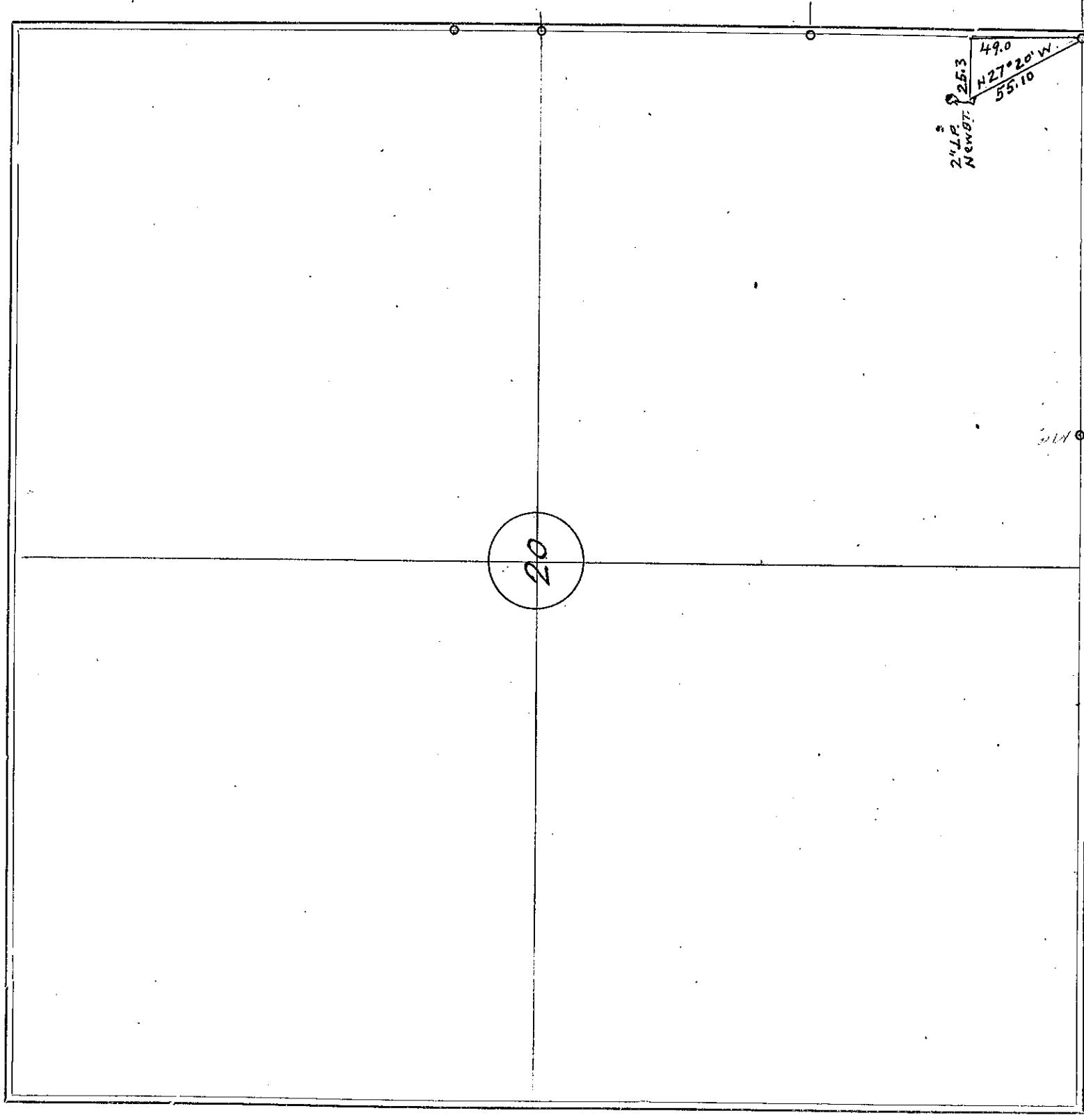


FIELD NOTES.

road center: thence East along section line 294.0 feet to the $\frac{1}{16}$ corner place of beginning

Survey begun Oct 15-1917
Finished May 31-1919
Recorded Jan 28-1920

John W. Pears
Co. Surveyor Crow Wing Co. Minn



FIELD NOTES.

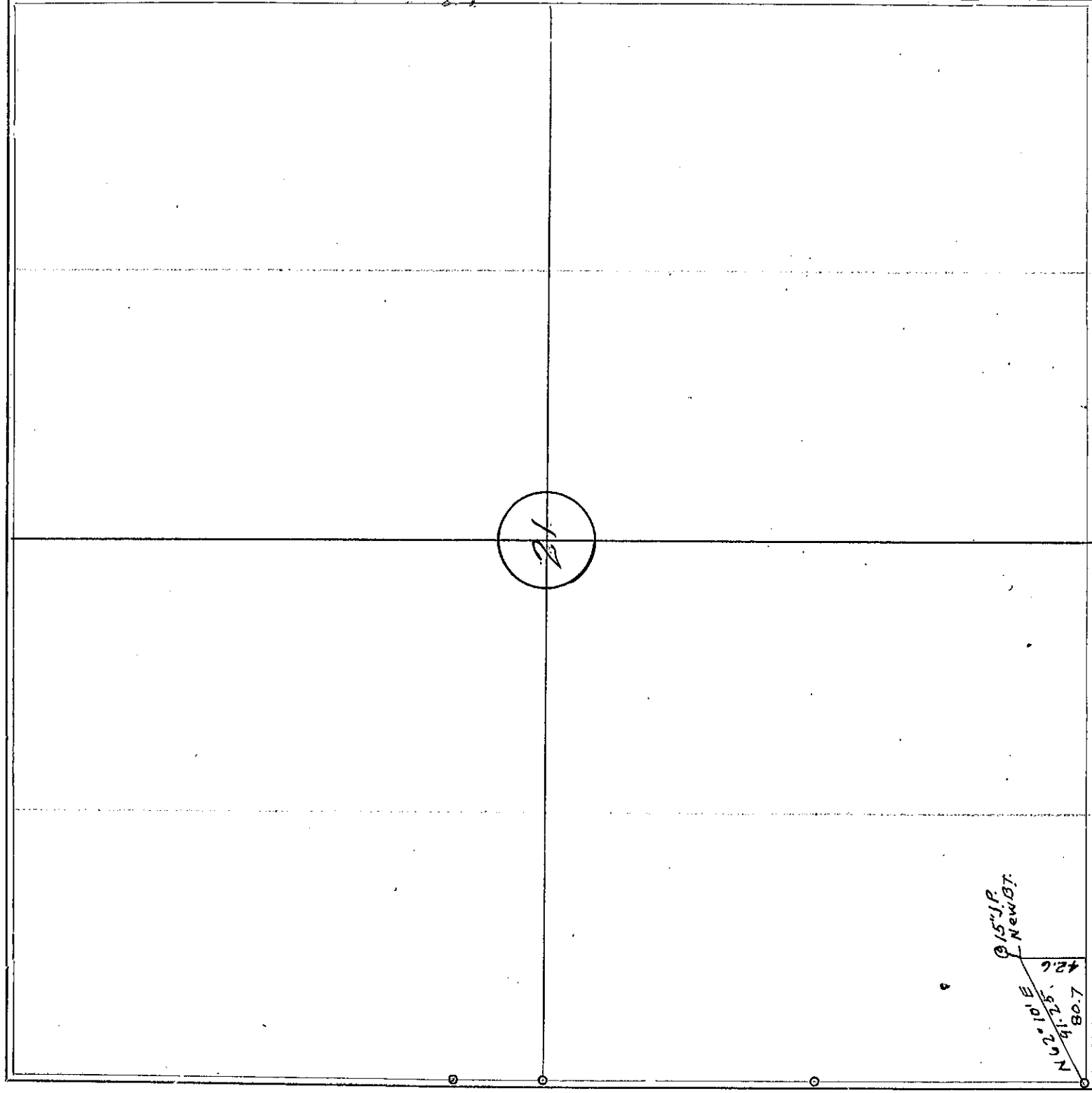
Survey Extends Over Sections
20-21-28-29 T137 N R 28 W 54 PM
Crow Wing Co. Minn

Field notes of the survey of a part of Sections 20, 21, 28, 29 T137 R28 W 54 PM. Crow Wing Co. Minn and the establishment of new corners and new bearing lines in same as surveyed by and under the direction of John W. Curo, County Surveyor of Crow Wing Co. Minnesota.

I am working for Louis P. Anderson who assists me as a man and Geo. H. Budd a Civil Engineer using Budd's transit and 100 foot steel tape and plumb-bob Nov 25-1899 - very cold. Budd, Anderson and I go to the corner to Sections 20-21-28-29 T137 R28 where U.S. Nails call for a post and the following bearing trees: Hard Pine 10 inch, N 28° E 94 Links (= 62.04 ft); Hard Pine Birch, N 76° W 58 Links (= 38.28 ft); Dry pine stub 17 inch, S 30° E, 30 Lvs (= 19.80 Feet); Dry Pine Stub 8 inch, S 5° W 112 Links (= 73.92 ft). I find the stump of the old N.E. Bearing tree from which I establish the line section corner where we drive a 1x20 inch drift ball iron Monument which comes in line with the center of a graded road running East but the road running South has been built 100 feet East as this section corner comes only in line with the west ditch of the road. From this corner just set I take the following New Bearing lines and run:

Jack Pine marked "T137 R28" thence South 42.6 ft; thence West 80.7 feet to section corner the place of beginning; thence: In Section 20: N 27° 20' W 55.10 Feet to a 2 inch Jack Pine; thence East 25.3 feet; then South 49.0 ft to see corner; thence: In Section 21: N 62° 10' E 91.25 Feet to a 15 inch corner the place of beginning; thence: In Section 28: S 27° 35' E 67.35 feet; thence West 31.2 ft to see corner; thence: In Section 28: S 27° 35' E 67.35 feet; thence West 31.2 ft; then North 59.7 ft to see corner the place of beginning. all @ 70x45' variation East Magnetic changed from flat spot at base of each tree.

There is an old Transit line which shows 5.00 feet West of this corner and runs straight North - parallel to the section line. From the corner we run West a random line between Sections 20 and 29 figured as a 15 line 88° 07' from the North and South section line; at 8.00 feet cross



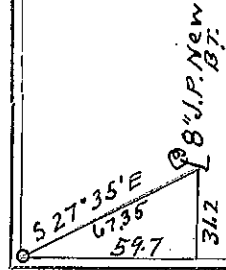
FIELD NOTES.

old transit line: at 5.0 + 1313.4 = 1318.4 Hub in line with road running North then 16.5 feet to 1334.9 west where we find 2. old hubs: at 1535 West end of present shore line of Lake Bertha: at about 1800 West to water-end of sand bar or ridge of land covered with small dead pine trees and old stumps: at 1901.9 West hub on sand beach from which the U.S. Meander Corner between sections 20 and 29 bears S 20° 20' W 788.0 feet bearing 34.05 feet West and 91.89 feet South. So that at 1935.95 West by way of my random the M. Corner sets South 91.89 feet: The length of the line from the S.S. E. Corner of Sec 20, West to the Meander Corner would be 1938.2 feet my chain equals 1983.3 feet U.S. Chain being 45.1 feet short. My random runs 2° 43' to the right. At this U.S. Meander Corner between sections 20 and 29 U.S. Notes call for: Jack Pine 7 inch, N 75° E 20 Links (= 13.2 feet) White Pine 20 inch, S 21° 30' W 15 Links (= 9.90 feet) We find the S.W. bearing line down but plainly marked with the roots of the tree still clinging in the ground. from which we set the point for the new meander corner from which we establish new bearing lines as follows:

12 inch Jack Pine S 32° 40' W 293.7 feet: 4 inch Jack Pine N 84° 45' E 315.0 feet to flat spot at base of each line. An old big post sets N 43° 45' E 125.30 feet to heart of post. At the P.E. Corner of sec 20 the N.W. angle of the two section lines figures 90° 50' we begin 5 ft West and run North on random line between sections 20 and 21 keeping 5 feet West of section line: At 1320 N. set limps' No Corner: at about 1470 N. set limps' Little Cham Shell Lake "which is a part of White fish Lake and Lake Bertha crossed by the over flow from the foot dam at Cross Lake: at about 2400 L. Lake: at 2640 N. set limps' temporary 1/4 corner between sections 20 and 21 where U.S. Notes call for: Aspen 7" N 54° W 35 Links: Aspen 6 inch, N 60° E 31 Links: We do not find these but continue North: at 3017.6 N we chain 5.0 feet East and set William Meander Corner between sections 20 and 21 7137 or 28 on the South side of White fish Lake at a point 118.72 feet South of the point for the line Meander Corner which has been washed away by high water from the dam, U.S. Notes give the length of this line as 4752 Links being 3136.32 feet and call for a

SURVEY No. 144

Section 28 Town 137 Range 28



28.

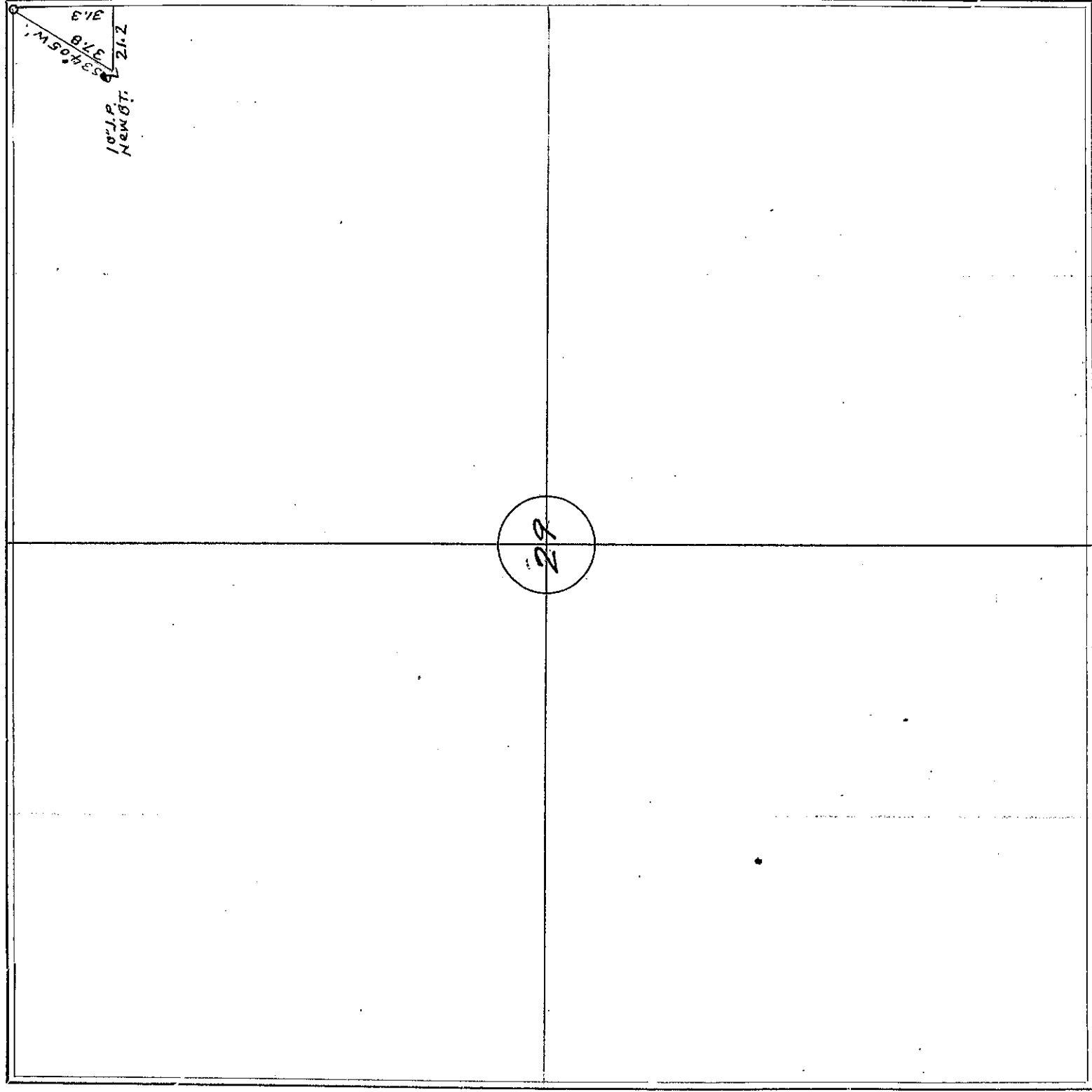
FIELD NOTES.

Meander Corner with bearing lines as follows: Whit Pine 20 inch S 88° W 36 Links Whit Pine 18 inch, S 54° 30' E 47 Links: All are gone. We drive a 1 X 20 inch Iron Monument for the Witness Corner which is a 220 the N.E. Corner of Lot 9 of the platted portion of Midewin Park and spot two new lines or bearing lines as follows: 10 inch Norway Pine S 19° 02' E 205.20 feet; 8 inch Jack Pine S 35° 40' W 168.60 feet thence from almost the line section line looking South but the needle reading changes here to 8° 20' E at this point. At 26 40 N. on old line we run East 50 feet and set a 1 X 20 inch Iron Monument for the 1/4 Corner between Sections 20 and 21 T 137 R 28 with New Bearing lines as follows: 8 inch Oak, S. about 60° E 27.50 feet; 6 inch Oak, South about 78° W 57.40 feet; From this 1/4 Corner it is 13.3 feet, then 21.7 feet = 35.00 feet North to the S. E. Corner of platted Lot 9.

At 1320 N. on old line we chain 50 feet East and set a 1 X 20 inch Iron Monument for the line South 1/4 corner with new B.T. S. as follows 8 inch Jack Pine S.E. 29.25 feet; 5 inch Jack Pine S.W. 61.80 feet to face; Build

SURVEY No. 144

Section 29 Town 13.7 Range 28 5th PM

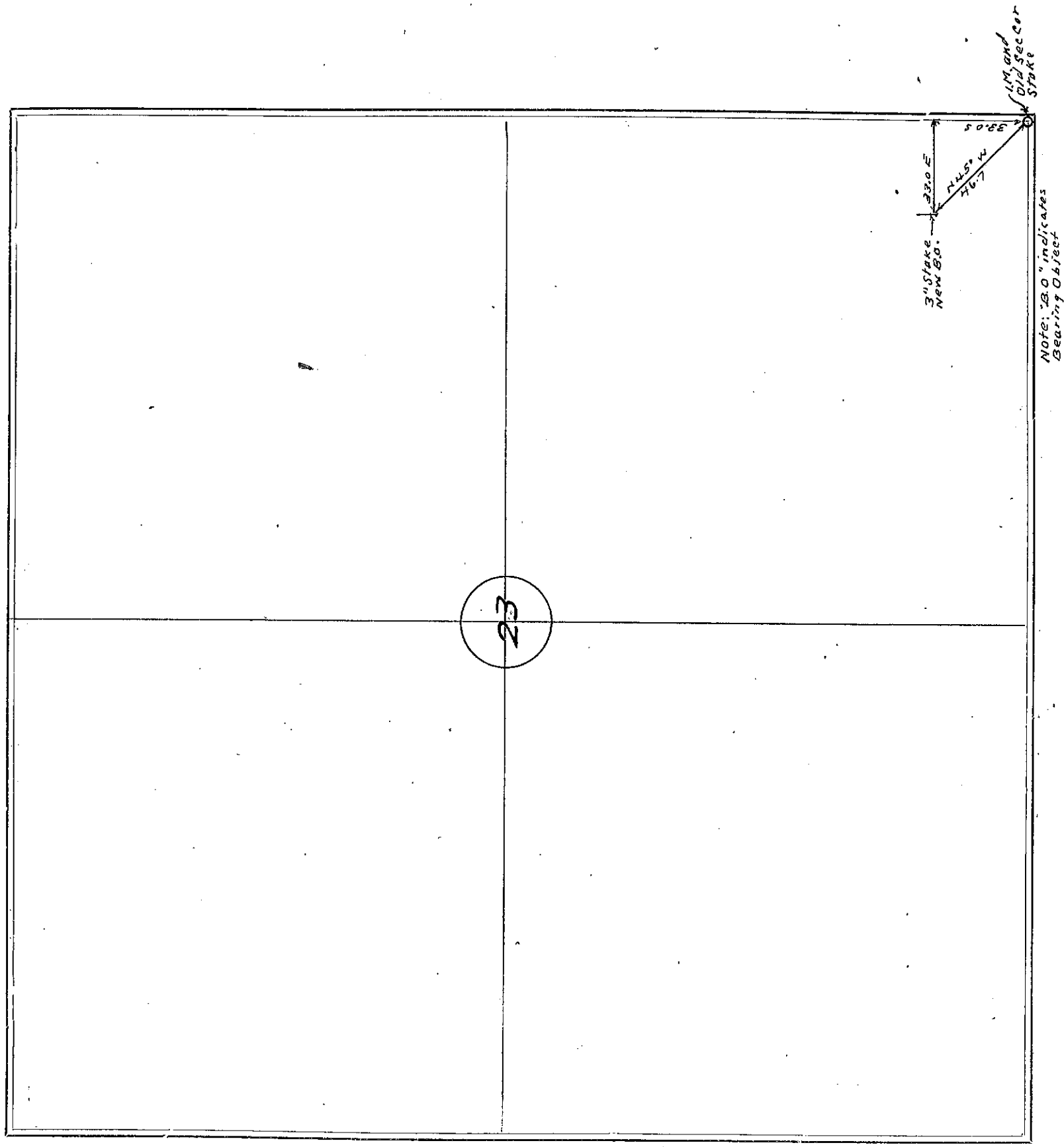


FIELD NOTES.

and Anderson run the center line East thro Section 20 and find the NW angle to be 89° 12' leaving the SW angle 90° 48'. With line at the South 1/4 Corner looking North, line N.W. angle 90° 01' and run West or S 89° 59' W being mean course between Center line and South line of Sec 20 on line 1/4 line: at 1303.5 W. set I.M. East edge of road: at 1320 W. Cen of road top road N and S. at 1336.5 West set Iron Monument for West boundary of Twp road and S.E. Corner of Parnell tract from which the chain West, still on the 1/4 line: 347.1 feet and set Iron Mon' on high bank of lake: at 421 west end of water edge Lake Bertha

Surveyed Nov 25 & 28th 1919.
Recorded Jan 29-1920

John W. Curo



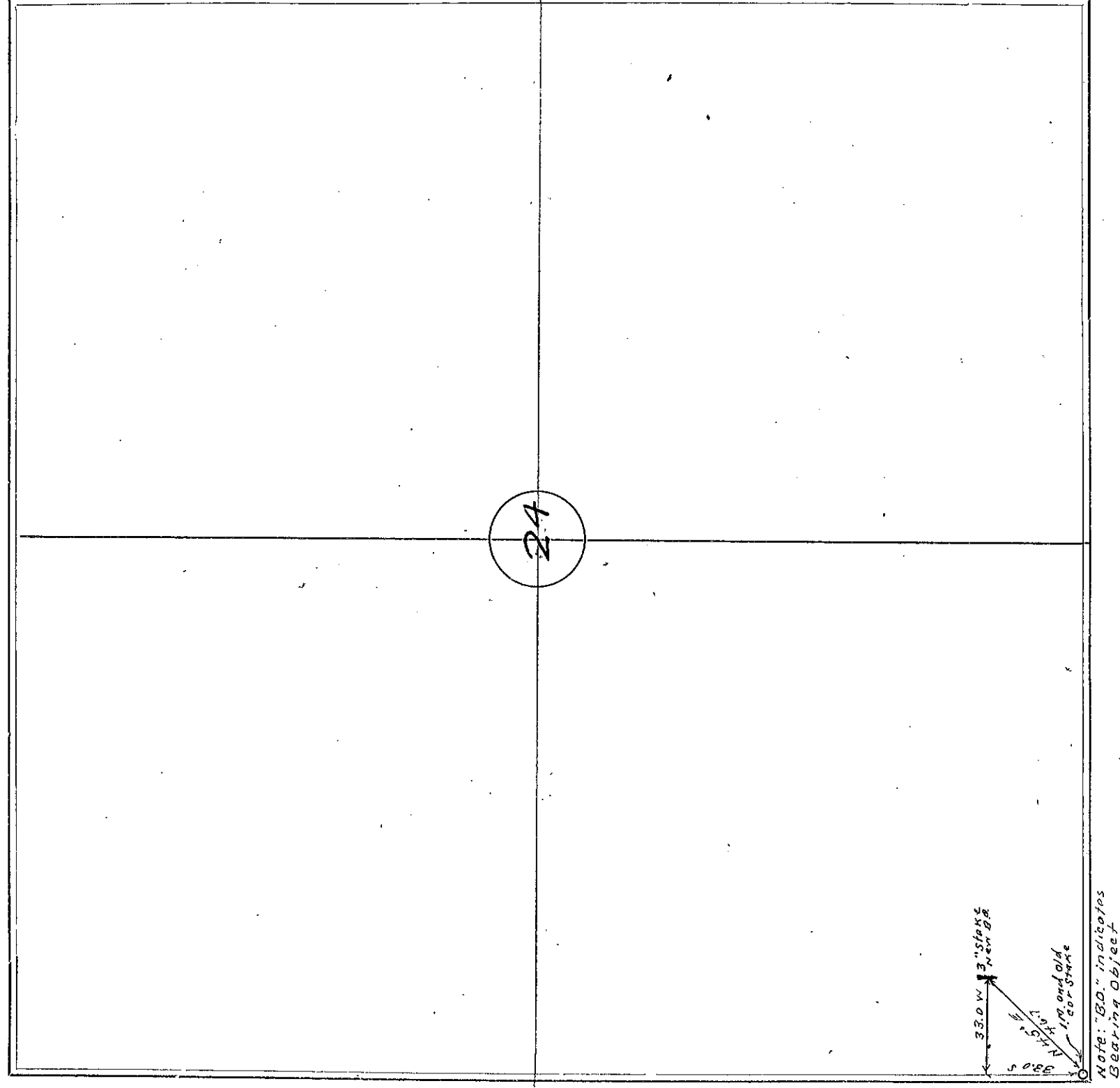
FIELD NOTES.

Survey Extends Over
Sections 23-24-25-26-35-36
7:13.5 A. M. to 5:14 P. M.
Crow Wing Co. Minn.

Field notes of a survey made in Sections 23, 24, 25, 26, 35 and 36 Township 135 N., Range 29 W., 5th R. M. and establishment of new bearing lines in same as surveyed by and under the direction of John H. Piers County Surveyor Crow Wing Co. Minnesota.

April 25th 1919 J. Harold J. Piers and I go to the corner of sections 23, 24, 25, 26 T135 R29 where U.S. notes call for a post and the following bearing lines: Pm 10", N64° E 385 links (= 254.10 ft.) Thence S 10" S65°30' E 241 Links (= 159.06 feet) Only two.

We find the old U.S. stake plainly marked standing in the wet marsh slightly leaning, and in the same stake hole sets a one inch long rod sticking two feet above the bog; this rod may be five or ten feet long and was set in August 1910 by Mr. F. H. Glass a Civil Engineer who found the old U.S. bearing lines. As we are in a wet marsh and the solid land 100 feet away to the East, we decide to preserve the position of this stake and put in new bearings as follows: Thence In Section 24, N45° E 45.70 feet; and set a 3 inch stake 6 feet long, blazed on S.W. side; thence West 33.0 feet; thence South 33.0 feet to the section corner; thence in Section 23; N45°W 46.17 feet and set a 3 inch stake, 5.0 feet long blazed on S.E. side; thence East 33.0 feet; thence South 33.0 feet to the section corner; from which we run South along the line section



FIELD NOTES.

Notes Brought From Page 216

line on old transit line between sections 25 and 26 established by Mr F. A. Glass: At 1327.7 feet find a 5x5x20 inch cement post set by Mr Glass for the North $1\frac{1}{16}$ corner between sections 25 and 26: At 2655.4 we find another 5x5x20 inch cement post, cement, set by Mr Glass for the line $1\frac{1}{4}$ corner between sections 25 and 26: At 3983.1 South we find still another 5x5x20 inch cement post set by Mr Glass for the line South $1\frac{1}{16}$ corner between sections 25 and 26 and at 5310.80 South intersect another 5x5x20 inch cement post set by Mr Glass for the line corner to sections 25, 26, 35-36, 7135 R29 where US Nails call for a post and the following bearing lines:

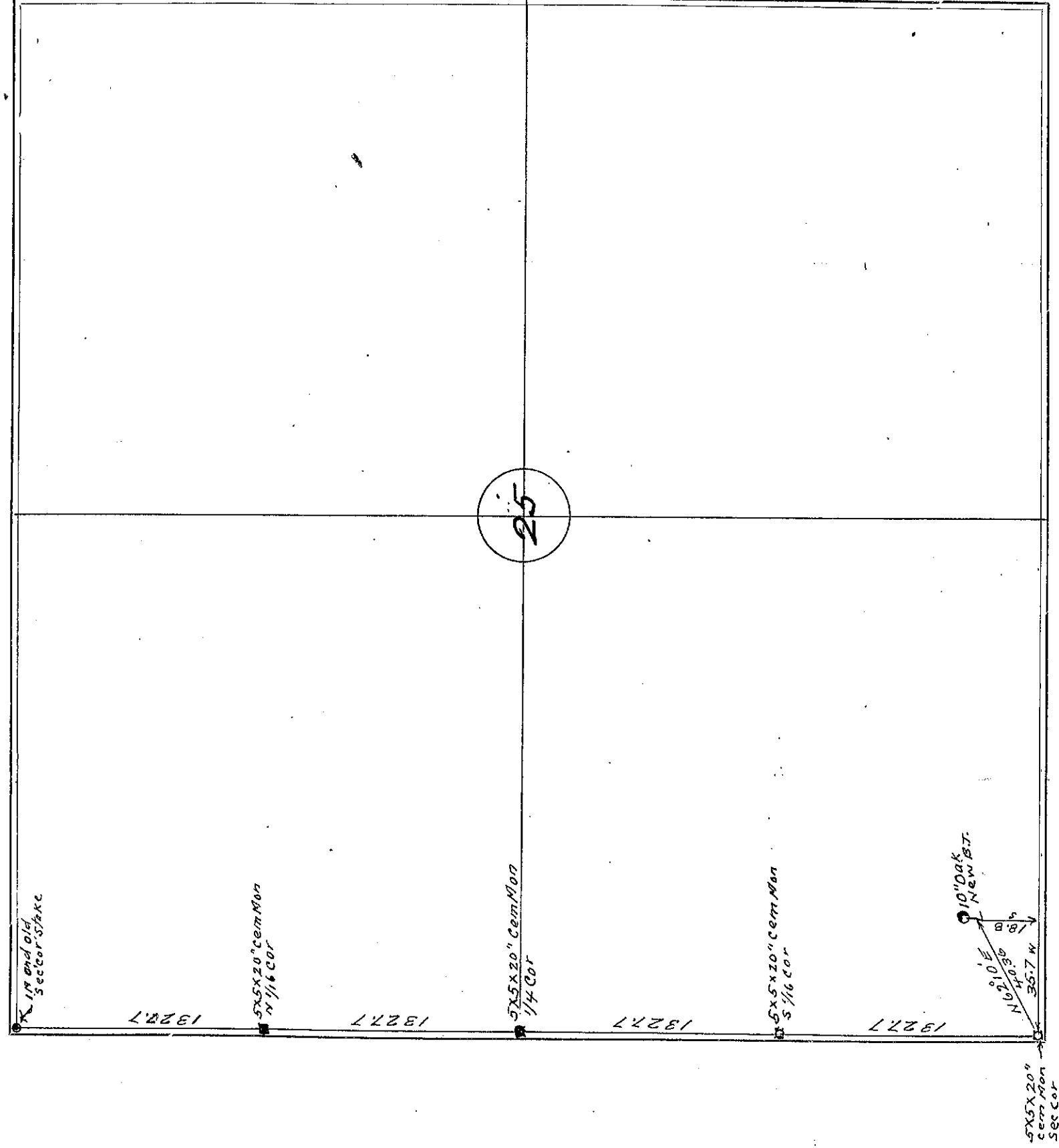
Norway Pin 24" N $46^{\circ}E$ 110 Links (= 72.60 feet): Norway pins 10" N $18^{\circ}W$ 162 Links (= 106.92 feet) Norway Pin 22" S $79^{\circ}E$ 113 Links (= 74.58 feet)

May 1st 1919 We find the slumps of the old NE and SE bearing lines used by Mr Glass in setting this corner which we accept as correct and we put in new bearing lines as follows:

10 inch Oak N $62^{\circ}10'E$ 40.36 feet: 12 inch Jack Pins N $61^{\circ}W$ 32.08 feet: 12 inch Jack Pins S $30^{\circ}45'W$ 34.70 feet: 12 inch Norway pins S $69^{\circ}E$ 39.70 feet: 16 small nail at base of each line. angles lined from the line section line looking North.

From this corner I run IN Section 25: N $62^{\circ}10'E$ 40.36 ft to the 10 inch Oak: Hence South 18.8 feet: thence West 35.7 feet to Section Corner: Hence IN Section 26: N $61^{\circ}W$ 32.08 feet to

Notes continued on Page 218



FIELD NOTES.

Notes continued from Page 217

the 12 inch Jack pine: thence South 15.6 feet: thence East 28.50 ft 10 section corner: thence In Section 35: S 30° 45' W 34.7 ft to the 12 inch Jack pine: thence East 17.7 feet: thence North 29.8 feet 10 section corner: thence In Section 36: S 69° E 39.7 feet to the 12 inch Jack pine Norway pine: thence North 14.3 ft: thence West 37.2 ft 10 the section corner:

We use a first class transit in running the entire mile of line between Sections 25 and 26 and find it straight

At the 1/4 corner between Sections 25 and 26 T 135 R 29 U.S. Nails call for: Norway pine 12" N 26° E 87 links (= 57.42 feet) Norway pine 18" S 66° 30' W 96 links (= 63.36 feet) We find the slump of the old SW line badly burned. In chaining we use a 300 foot steel tape and plumb-bob.

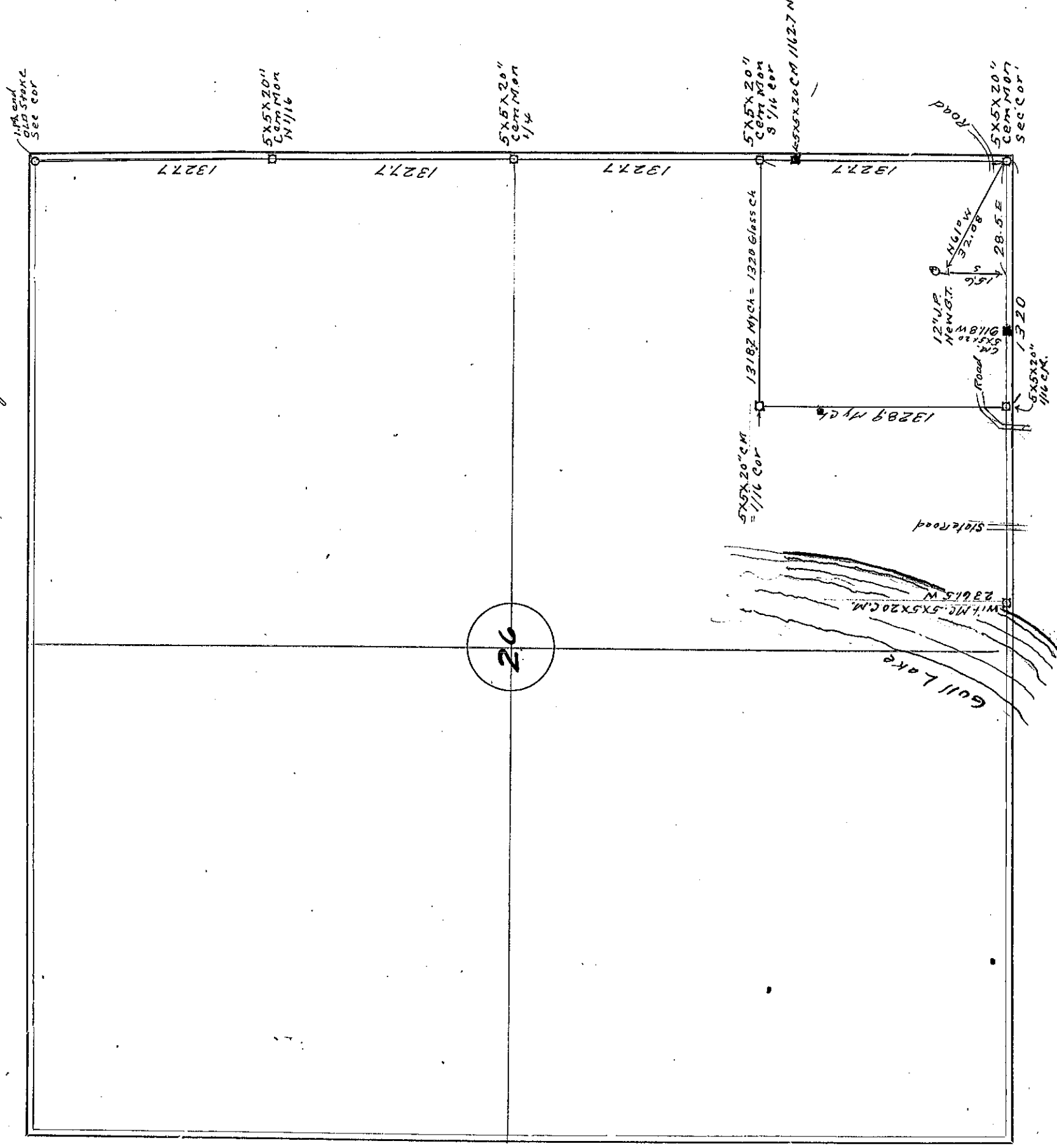
With transit at section corner, telescope looking North along the line section line I turn 88° 14' left and run West on line laid but Sections 26 and 35 as established by Mr. F. A. Glass; at 94.8 hit 5x5x20 inch cement monument set by Mr. Glass for the N.W. cor of the Francis A. Hunt 5.4 acres; at 10.75 foot of hill: at 1120 East brink of hill: 1130 hub on top of hill: at 1320 hit 5x5x20 inch cement post set by Mr. Glass for the line East 1/4 corner between Sections 26 and 35 T 135 R 29; at 1982 about, center of State road N. and S.; at 2013.60 hit and back West of road: at 2361.5 west hit 5x5x20 inch cement monument set by Mr. Glass for Witness M. C. on section line on East side of Hull Lake: Mr. F. A. Glass gives this distance as 2360.9 feet which is 0.6 of a foot short of my chain - close check.

The course of the line between Secs 26 and 35 is N 88° 14' W

Notes continued on Page 219

SURVEY No. 145

Section 26 Town 135 N Range 29 W 5 PM.



FIELD NOTES.

Notes continued from Page 218.

assuming the line to be N and S. but Secs 25 and 26. Beginning at the East 1/4 corner between Sections 26 and 35 I run North on a line run by Mr. Glass for the 1/4 line: at 1328.8 feet north - my chain I hit a 5x5x20 inch cement post set by Mr. Glass for the line 1/4 corner in center of SE 1/4 of Sec 26

Mr. Glass gives this measurement as 1328.9 feet being one inch longer than my chain - this is a close check: From here East to the 1/4 corner, Mr. Glass gives the distance as 1320. feet while my chain shows it 1318.2 feet making 1.8 ft difference.

At a point on the Section line 165.0 feet South of the 1/4 corner and 1162.7 feet North of the corner to sections 25-26-35-36 we find a 5x5x20 inch cement post set by Mr. Glass. The variation of this section line reads 10°15'E

N also: as Mr. Glass's survey was accepted as correct by the land owner, I also accept it as correct.

Surveyed April 25 - to May 1 - 1919

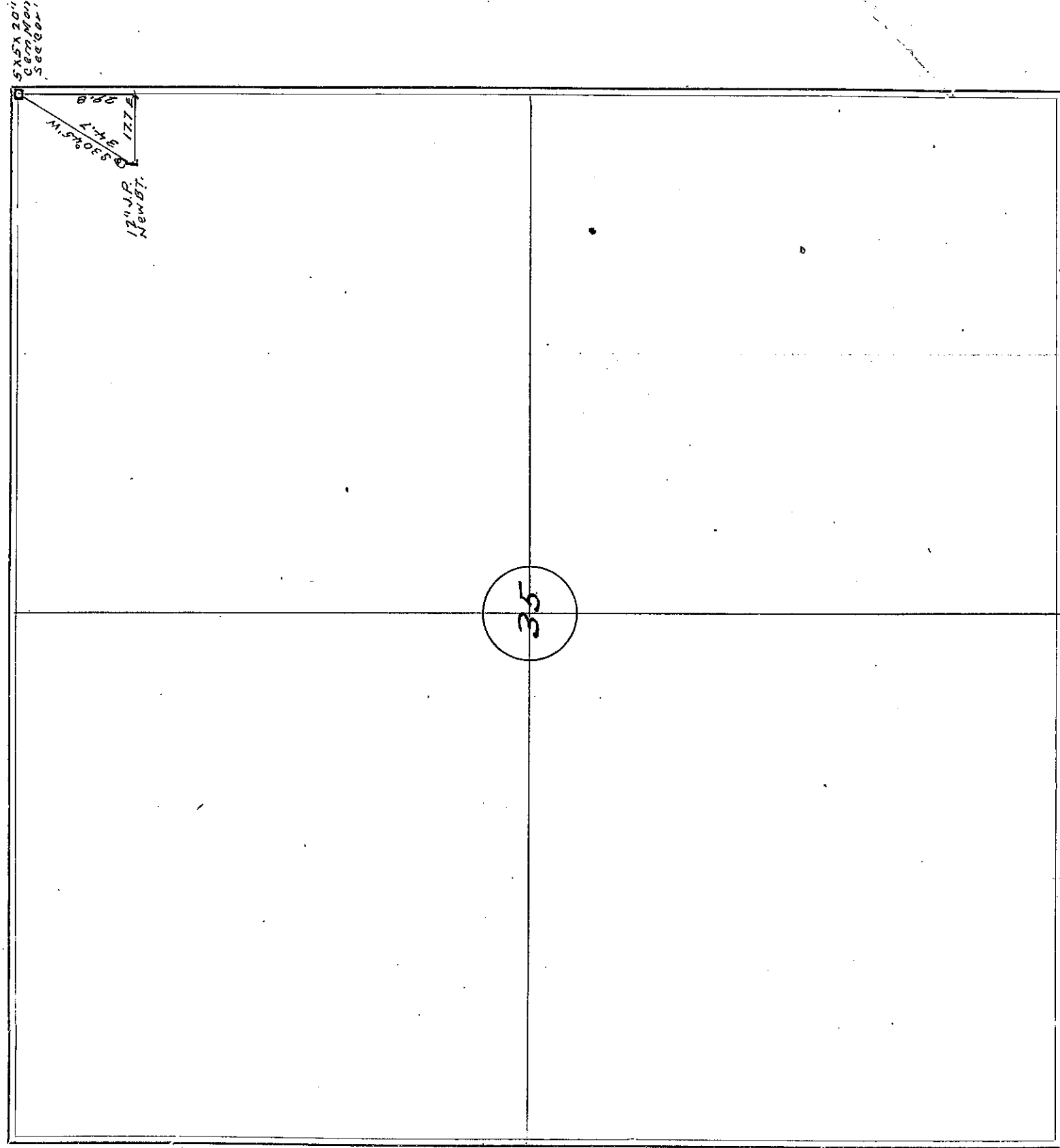
Recorded Jan 31st 1920

John H. Cus
County Surveyor Crow Wing & Minn.

Note: Plots of this survey on
Page 216 To 221. inclusive
This Book

SURVEY No. 145

Section 35 Town 13S Range 29 5 PM

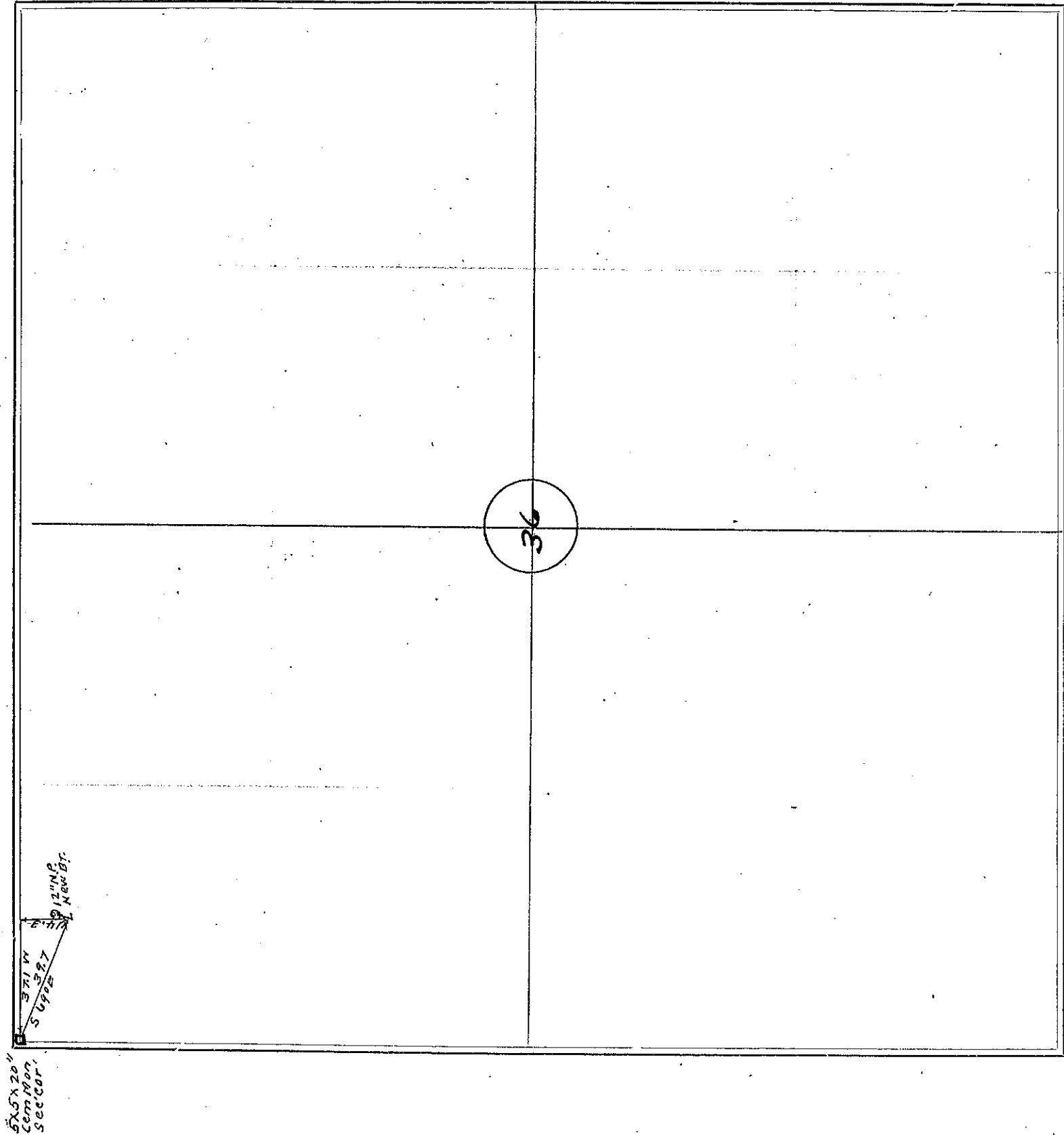


FIELD NOTES.

Note:
Field Notes of this survey on Pages
216 To 219. inclusive in this book

SURVEY NO. 145

Section 36 Town 135 Range 29 5 P.M.



FIELD NOTES.

Note: Notes of this survey on pages 216 to 219 inclusive. This Book.

SURVEY No. 146

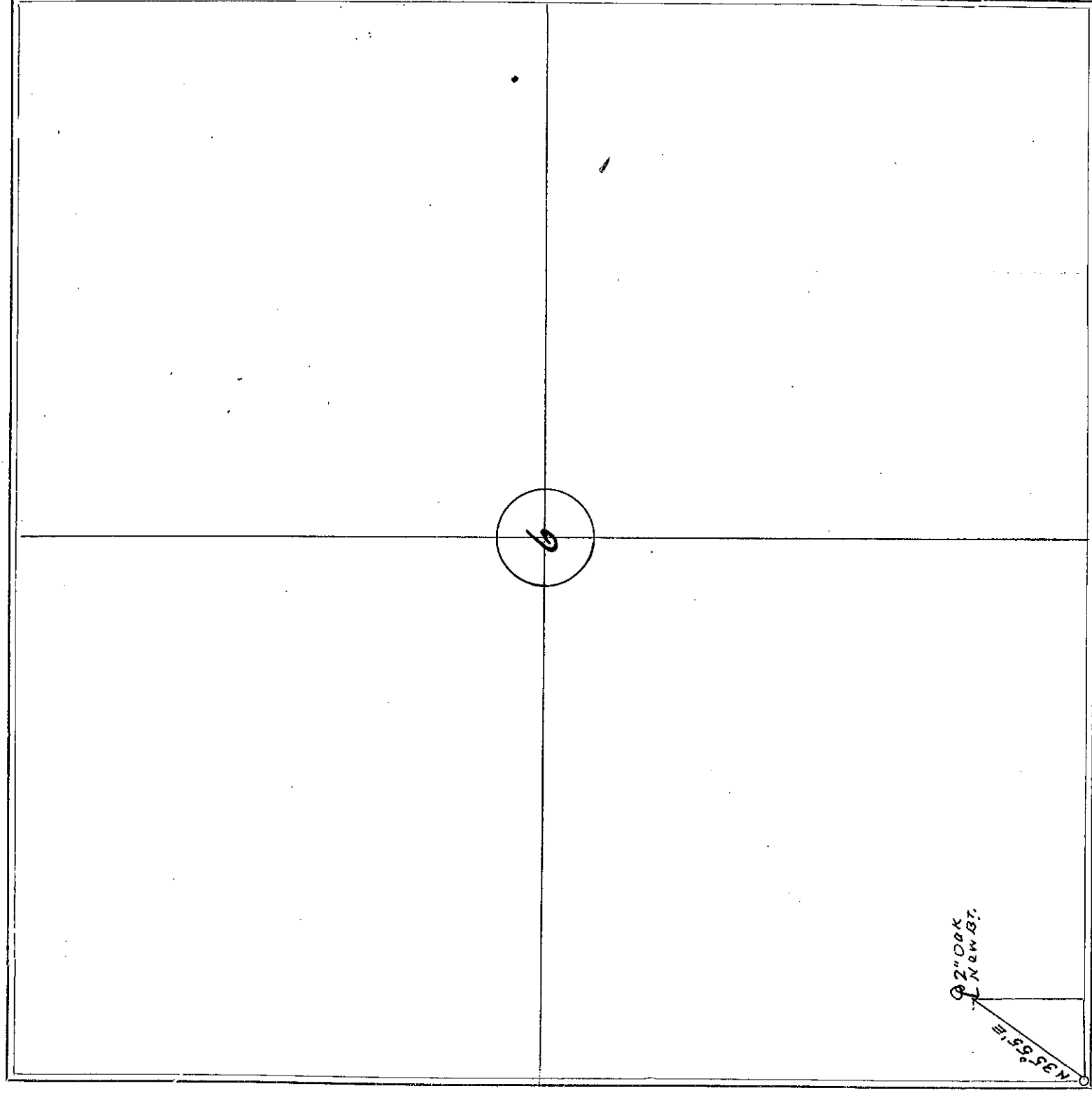
4th PM

Section 6

Town 43

Range 30

2nd P



FIELD NOTES.

Survey Extends Over Part of

Sections 6 and 7 T 43 R 30 and

Sections 1, 2, 3, 4, 9, 10, 11, 12, 14, 15, 16, 22, 23, 26, 27, 34, 35, T 43 R 31, and

Section 36, T 44 R 31

Field notes of the survey of a part of Sections 6 and 7 T 43^N R 30^W and Sections 1, 2, 3, 4, 9, 10, 11, 12, 14, 15, 16, 22, 23, 26, 27, 34, 35 T 43^N R 31^W and Section 36 Twp 44^N R 31^W 4th PM, Crow Wing Co. Minn. as surveyed by and under the direction of John W. Quinn County Surveyor submitted for the purpose of establishing lost section corners and bearings lines for road purposes for St. Mathias Township.

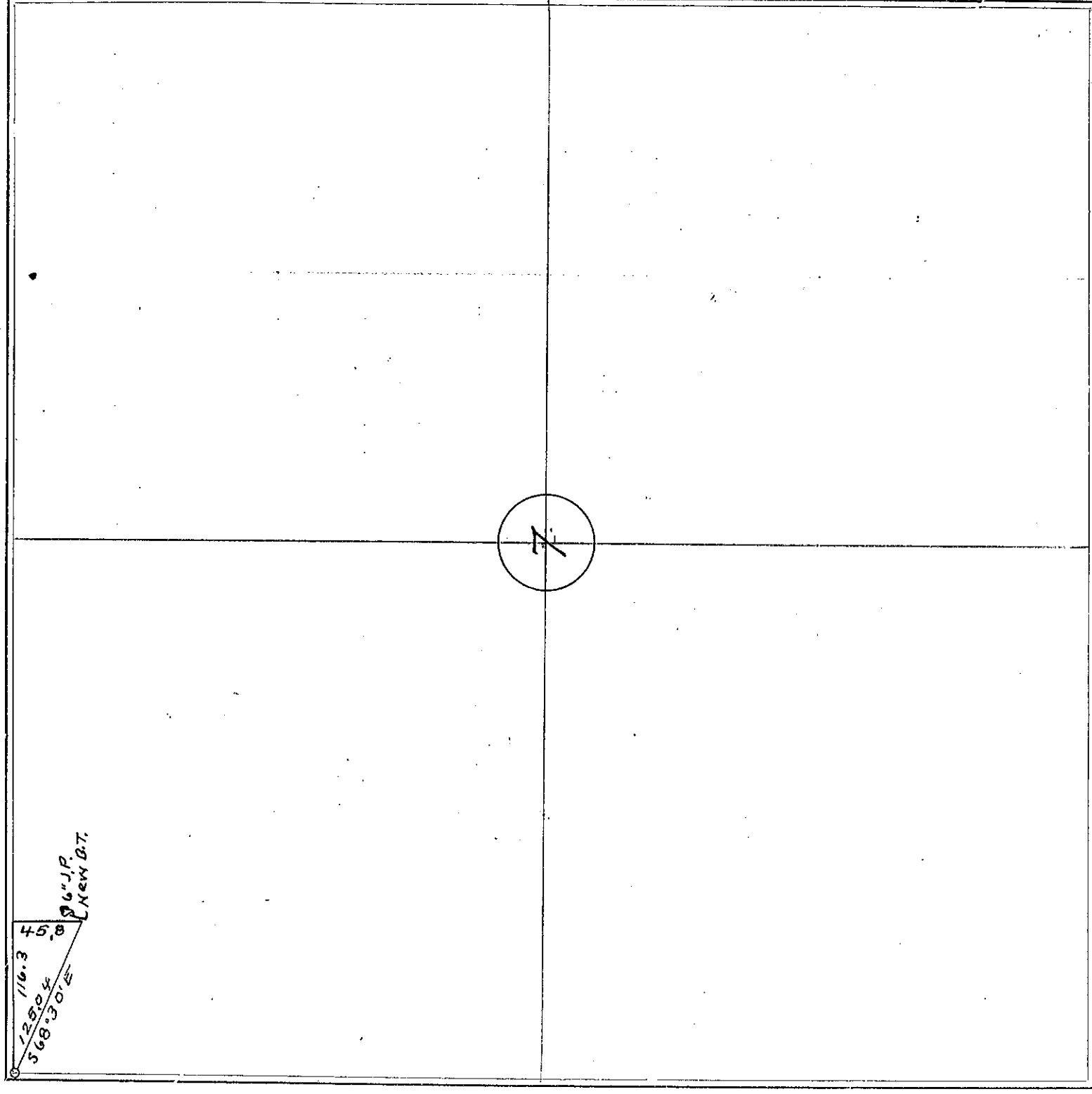
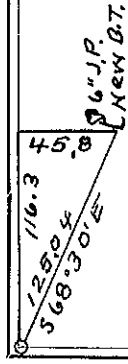
At the corner to Sections 3, 4, 9 and 10, T 43 R 31, U.S. notes call for post and: White Oak 12 inch, S 8° W. 1082 Links (= 714.12 Feet) Yellow Pine 8 inch, N 30° W 615 Links (= 405.90 Ft) Black Pine 10 inch, N 14° E 485 Links (= 320.10 Ft)

We find the N.W. and S.W. old lines from which I set a 2x20 inch pine stake for the line section corner, from the face of the old bearings by flat chain from same, after which the corner check with U.S. notes the N.E. tree is gone.

I mark new bearings as follows: From the line corner run:

In Section 3. N 38° 44' E 166.9 Feet to the S.W. Corner of the foundation of a school house Thence west 104.4 feet: Thence South 130.2 ft to the section corner: Thence

Section 7 Town 4-3 Range 30 4⁴⁴ PM



FIELD NOTES.

In Section 4: $N 76^{\circ} 39' W$ 137.5 feet, to a 2. inch oak tree: Hence South 34.7 feet: Hence East 133.8 feet $\frac{1}{2}$ Section Corner: Hence

In Section 9: $S 74^{\circ} 58' W$ 139.95 feet to 2. inch Jack Pine: Hence $N 36.3$ feet: Hence East 135.10 ft $\frac{1}{2}$ Section Corner: Hence

In Section 10: $S 41^{\circ} 09' E$ 165.62 feet to a sharp peak on highest point of big rock: Hence West 108.9 feet: Hence North 124.7 feet to Sec. C. all at $8^{\circ} 30' E$ on

This corner comes in the center of a cross road $N-S-E$ and W .

From this line corner we chain 5259.3 Feet East along the graded road to a cement monument at the corner to Section 2 3-10-11 in the center of the cross roads graded $N-S-E$ and W .

U.S. Nails call for: Black Pine 6 inch, $N 78^{\circ} E$ 148 links (= 97.68 Feet): Black Pine 8 inch, $S 57^{\circ} E$ 275 links (= 181.50 feet) Black Pine 8 inch, $N 57^{\circ} W$ 233 links (= 153.78 feet): From the corner above we run:

In Section 2: $N 78^{\circ} E$ 97.68 Feet to point for the old Bearing Tree set small stake: Hence South 20.3 feet: Hence West 95.5 ft to stone at Sec. Corner place of beginning: As the lines appear to begin we chain

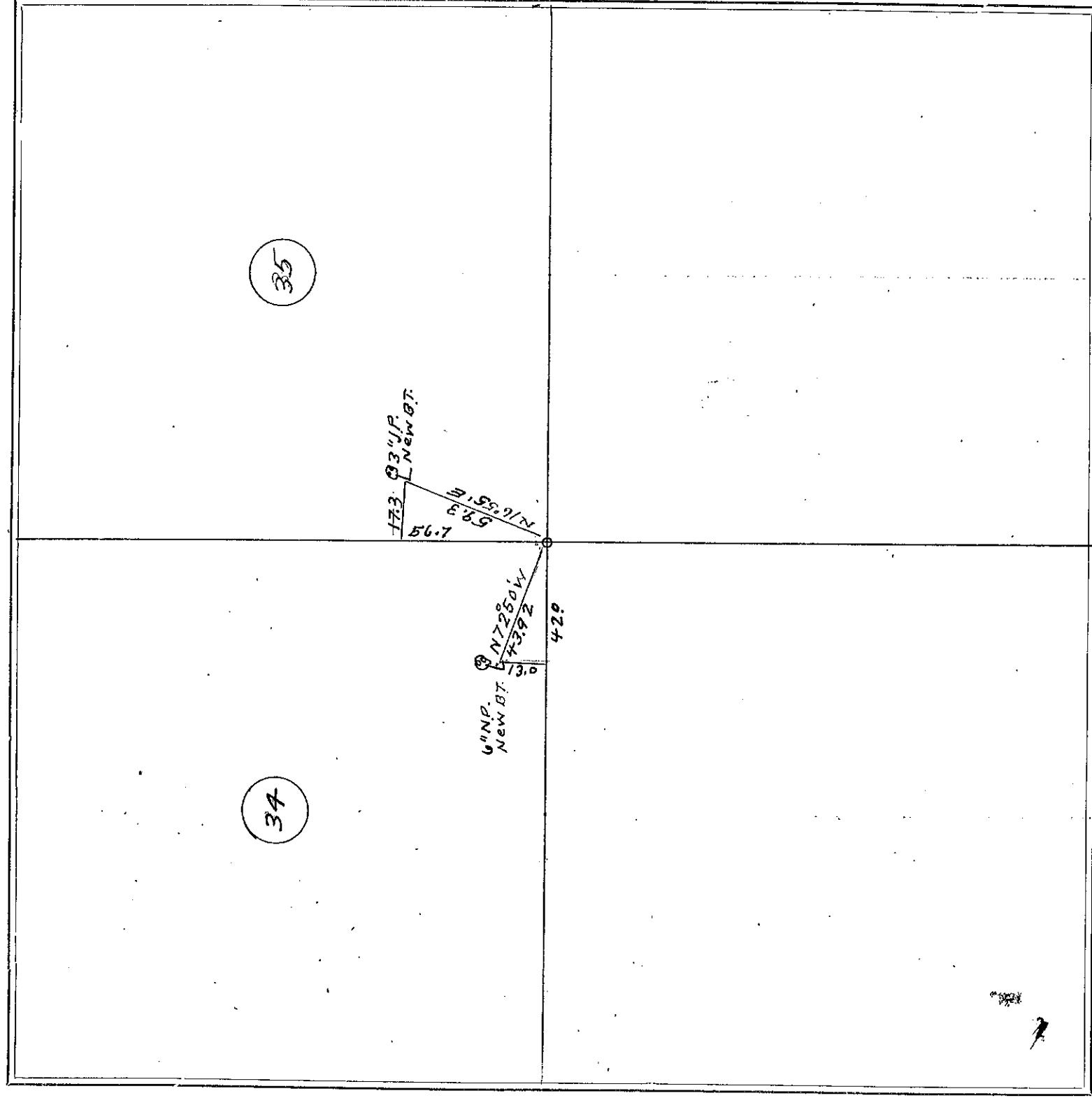
East along the graded road 10619.9 feet to the corner to Secs 1-6-7 and 12 oak the Town Line between Twp 43 R 30 and T 43. R 31 We dig the remains of the old corner out of a pile of muskeg stones in the center of the cross-roads and set a 2x20 inch dry Pennsylvania slate in its place for the line section corner with new bearings as follows: Corners turned from the center of the road

SURVEY No. 146

Sections 34-35

Town 43

Range 31



FIELD NOTES.

Looking South and at 8°10' variation E. we run:

In Section 6. T 43 R 30: N 35°55'E 29.08 feet to a 2 inch oak; thence South 23.5 feet; thence West 17.1 ft to Section Corner; thence:

In Section 1. T 43 R 31: N 60°48'W 37.5 ft to a telephone pole; thence South 18.3 feet; thence East 32.7 ft to Section Corner; thence:

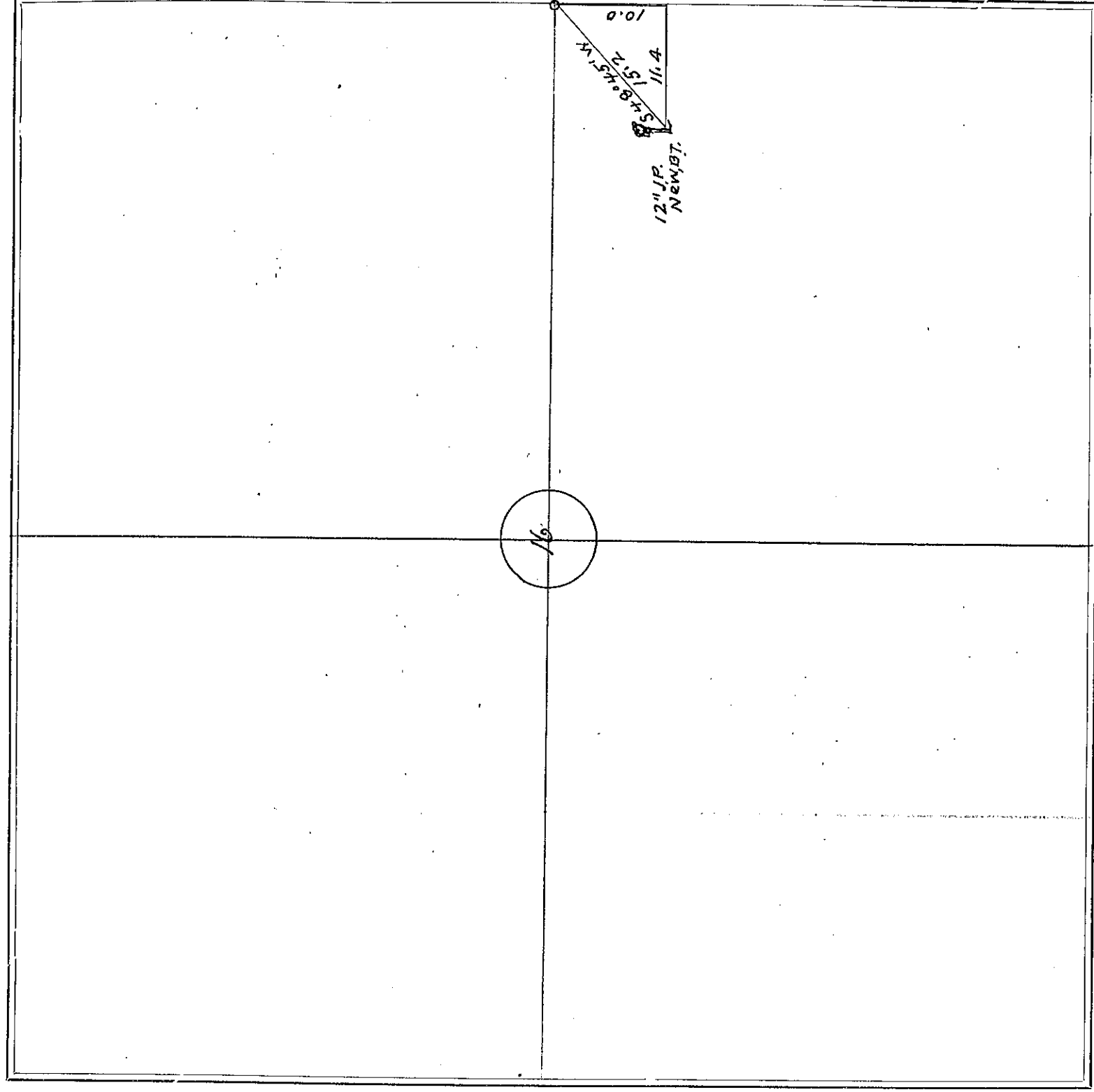
In Section 12. T 43 R 31: S 60°20'W 67.27 feet to a 5 inch spruce shade tree; thence North 33.3 feet; thence East 58.5 ft to Sec Cor; thence:

In Sec 7. T 43 R 30: S 68°30'E 125.04 feet to a 6 inch Jack Pine; thence North 45.8 feet; thence West 116.3 feet; to Sec Corner; The NE corner of a house bears S 35°W 33.73.2 feet; The NE corner of old tin covered Creamery bears S 37°02'E 100.8 feet; a 2 inch iron road sign post bears N 42°11'E 27.35 feet.

At the 1/4 corner between Sections 1 and 36 on Town Line between T 43 R 31 and T 44 R 31 U.S. Nails call for: Black Pine Trunk, N 16°W 12 links (= 7.92 feet) Black Pine 8 inch, S 64°E 26 links (= 17.16 feet) We find the stumps of both old lines plainly marked from which we set a 2x2 x 30 inch stake for the 1/4 corner by flat chain from face of both stumps and mark New bearings as follows 10°02'E; 4 inch Buck N 12°05'E 26.50 ft 6 inch Oak S 46°15'E 50.20 feet to face of line. Old fence corner

SURVEY No. 146

Section 16 Town 43 Range 31



FIELD NOTES.

sets West 1.0 feet: From this 1/4 corner we run
 In Section 36 T 44 R 31. N 12° 05' E 26.50 feet to 4 inch Buck; thence
 South 25.7 ft. thence West 5.6 ft to the 1/4 corner

From the Section Corner we chain South along the road 26.74.5 feet
 to the 1/4 corner between Secs 10 and 11 T 43 R 31 where we find the
 stump of both old US bearing lines from which we set a stake for the new
 1/4 corner. by proportion from the old stumps and mark new bearings as follows:
 9 inch Norway Pine S 26° 45' W 74.5 feet: 15 inch Norway pine S 62° 25' E
 57.15 feet: From this 1/4 corner I run

In Section 11 T 43 R 31: S 62° 25' E 57.15 ft to a 15 inch Norway Pine
 thence North 26.0 feet thence West 50.9 ft to the 1/4 corner.

At the corner to Sections 34-35-2 and 3 On the South Town line which
 is also the County Line between T 42 R 31 and T 43 R 31 we find the hill
 stump of the old S.W. Bearing line given in the U.S. field notes from which I
 set a 2 x 12 inch stake for the line corner with new bearings as follows

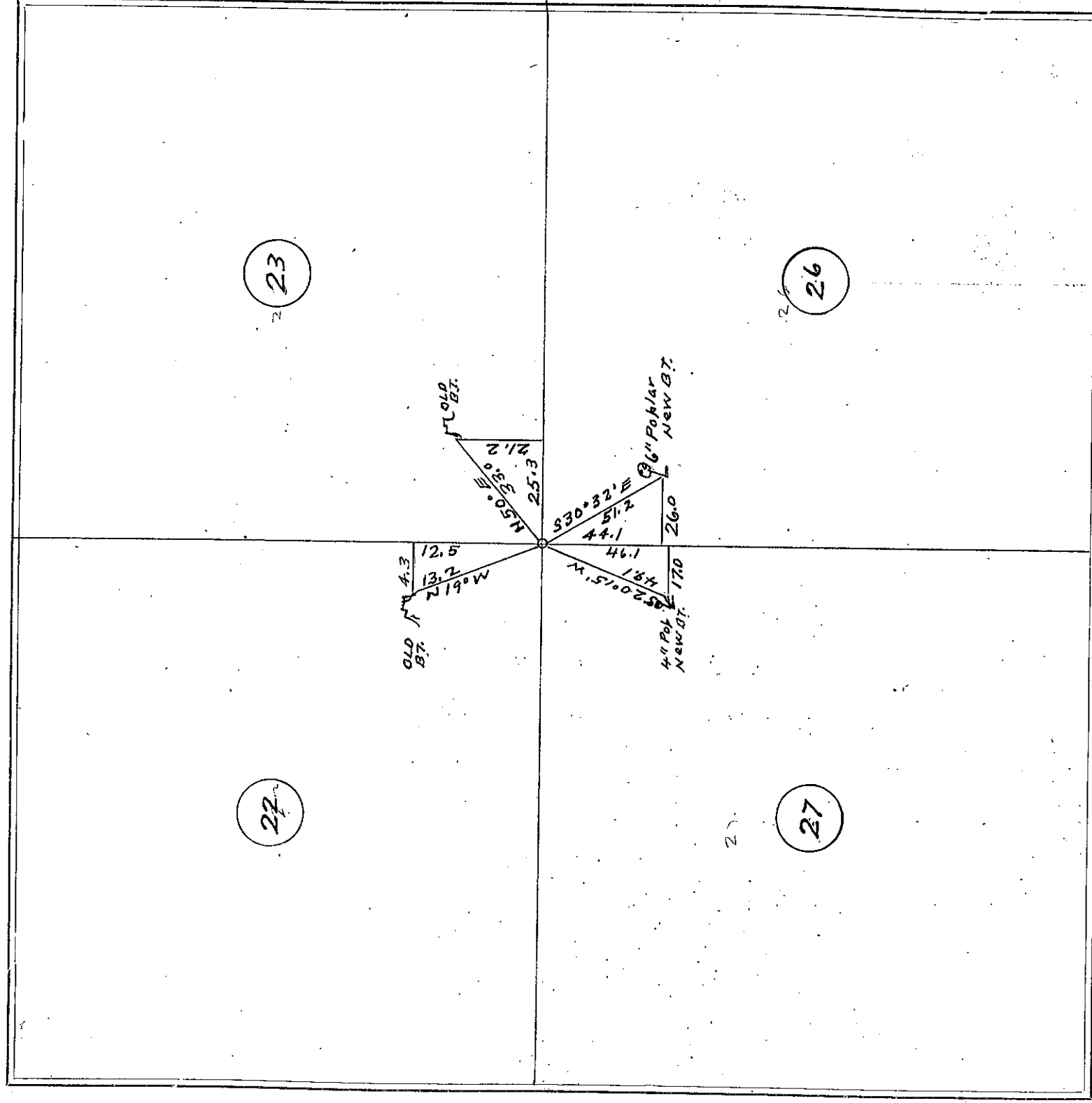
Jack Pine 3 inch. N 16° 55' E 59.30 feet.
 Norway Pine 6 inch, N 72° 50' W 43.92 feet
 Norway Pine 5 inch S 17° 25' W 49.75 feet
 Poplar 6 inch. S 75° 52' E 26.10 feet

One inch Iron Pipe S 35° W 11.3 feet. All at 8° 10' E. From this corner we run
 In Section 35 T 43 R 31. N 16° 55' E 59.3 feet to 3 inch Jack Pine; thence West
 17.3 feet: thence South 56.7 feet to Sec Corner: thence

In Section 34 T 43 R 31: N 72° 50' W 43.92 feet to 6 inch Norway
 Pine: thence South 13.0 ft: thence E and 42.0 ft to Sec corner beginning 8°

SURVEY No. 146

Sections 22-23-26-27 Town 43 Range 31



FIELD NOTES.

At the corner to Sections 22-23-26-27 T 43 R 31 we put 4 Trees of the old U.S. bearing lines stumps from which I set a 3x3x24 inch post for the line section corner chained from the flat face of old alder bearings which are plainly marked and checked for course

We made new bearings as follows

Poplar 4 inch S 20° 15' W 49.10 ft

Poplar 6 inch, S 30° 32' E 51.20 feet. From this line section corner we run

In Section 23, N 50° E 33.0 feet to the stump of the old U.S. bearing line thence South 21.2 feet: thence West 25.3 feet to Section corner: thence

In Section 22 T 43 R 31, N 19° W 13.2 ft to stump of old U.S. bearing line thence East 4.3 feet: thence South 12.50 feet to Section corner: thence

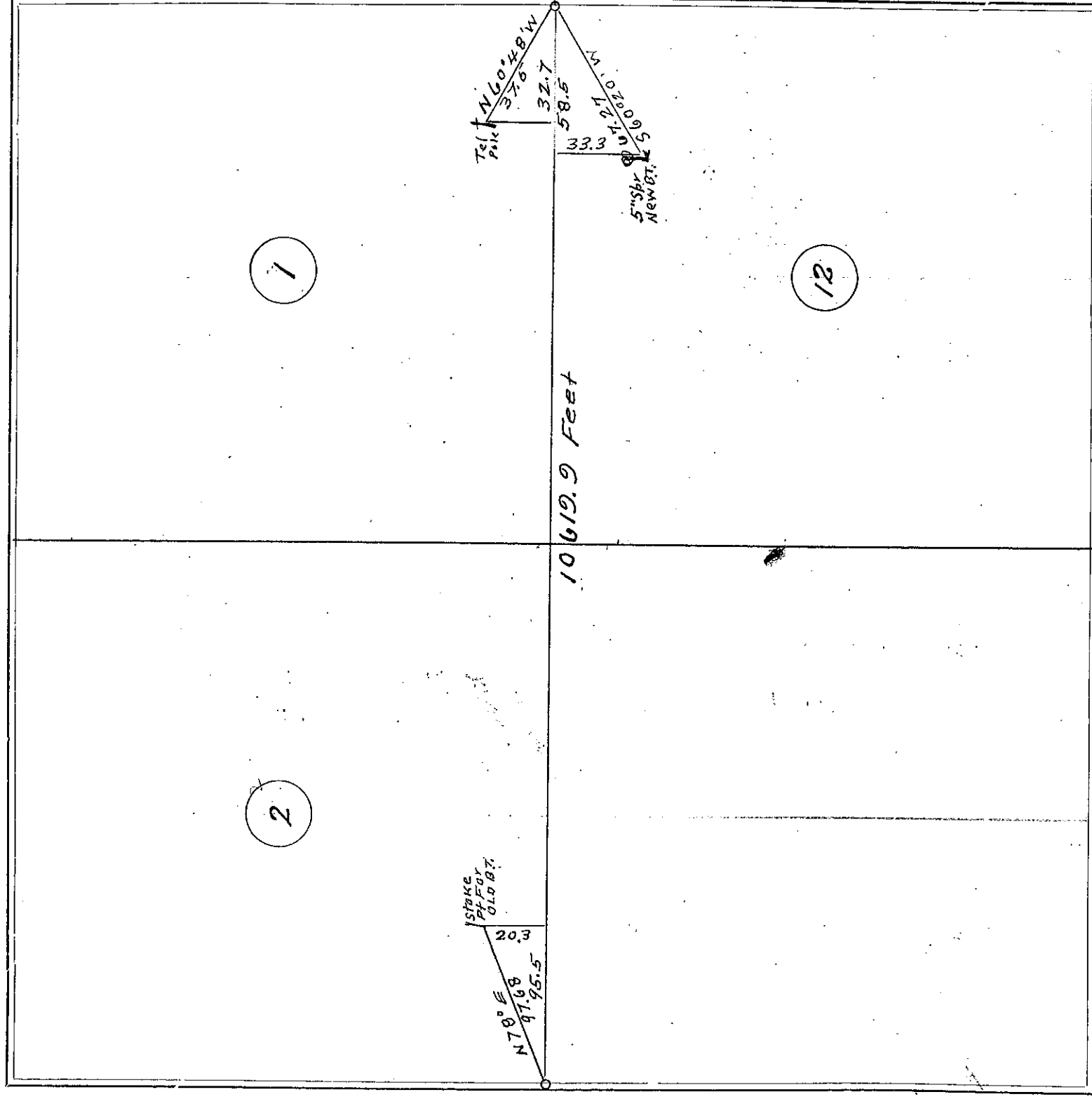
In Section 27 T 43 R 31: S 20° 15' W 49.1 ft to a 4 inch Poplar: thence East 17.0 ft: thence North 46.1 ft to Sec Corner: thence

In Sec 26 T 43 R 31: S 30° 32' E 51.2 ft to a 6 inch Poplar: thence West 26.0 ft: thence North 44.1 ft to Sec Corner

At the 1/4 Corner between 14 and 15 T 43 R 31 we put the stump of the old U.S. 2x4 inch yellow pine bearing line set in U.S. survey of this line. from which I set a 2x2x20 inch stake for the line 1/4 corner

SURVEY No. 146

Sections 1-2-12 Town 43. Range 31.



FIELD NOTES.

We go to the U.S. Meander Corner on West side of Round Lake between Sections 11 and 14 T43R31 where we find both old U.S. bearing lines and also a post set by County Surveyor Garrison which checks out perfect with the old U.S. bearings.

I mark new bearings as follows: I run by Section 14 S 62° 0' W 26.08 feet where I set a stake: thence East 23.0 ft: thence North 12.2 ft to M.C. I also drive a stake in the center of the old N.W. bearing line stump which bears N 34° 0' W 48.84 feet

At the 1/4 Corner between Sections 15 and 16 T43R31 we find a stake set from both old U.S. bearing lines which still stand and from this 1/4 stake County Surveyor Garrison has established new bearing lines which are: 12 inch Jack Pin N 52° 30' W 29.4 feet.

12 inch Jack Pin S 48° 45' W 15.2 feet

From this 1/4 corner I run:

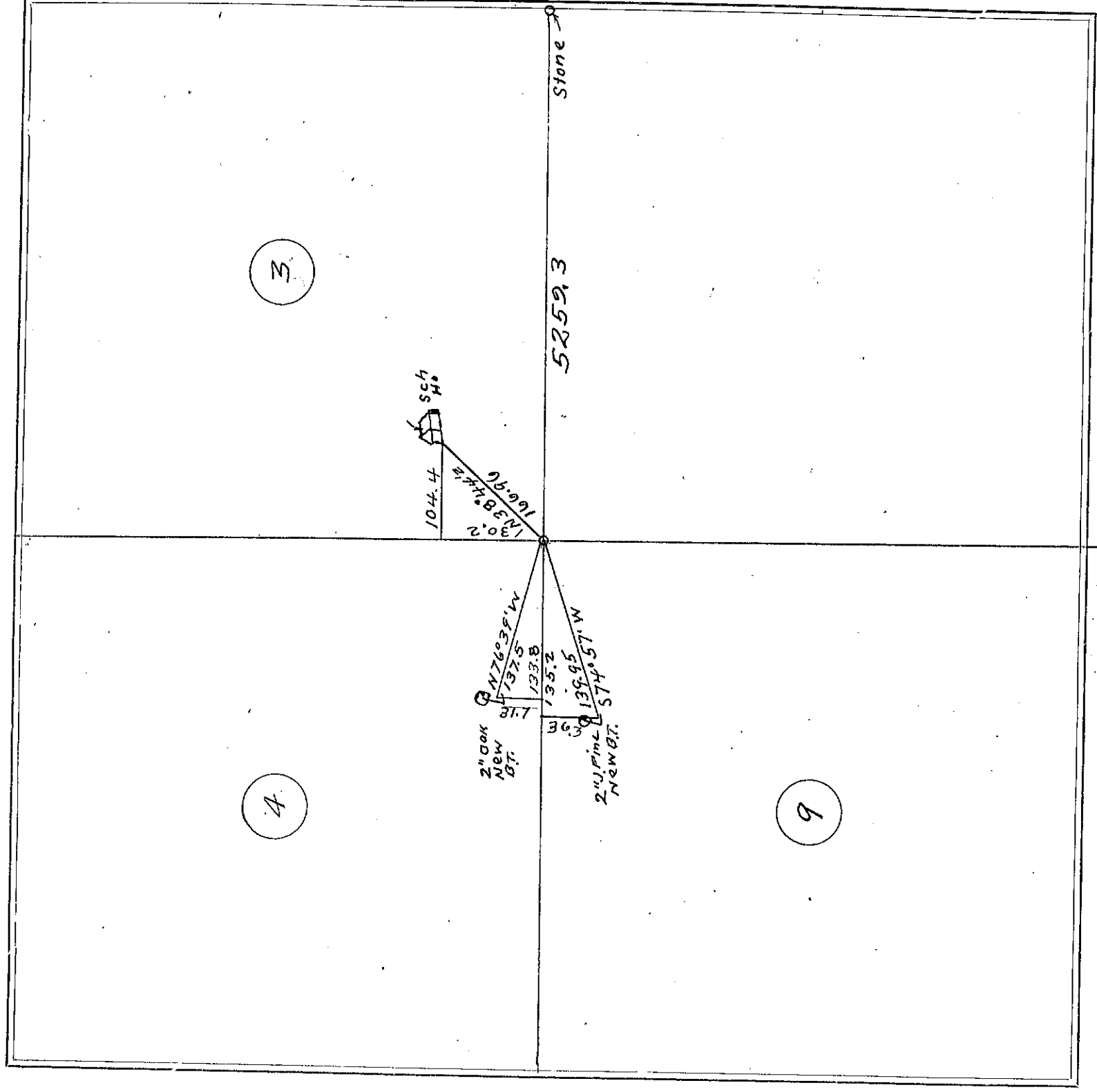
by Section 16 T43R31 S 48° 45' W 15.2 ft to the 12 inch Jack Pin thence E 11.4 ft: thence North 10.0 ft: 1/4 corner: thence I mark a new 6 inch Jack Pin bearing line from 1/4 which I run

by Section 15: North-Easterly 20.0 feet: thence West 14.6 feet: thence S 14 4 feet to the 1/4 corner

At the corner to Sections 9-10-15-16 T43R31 U.S. Notes call for post and: Black Pin 10 inch S 16° E 415 links, equals

SURVEY No. 146

Sections 3-4-9 Town 43 Range 31



FIELD NOTES.

as follows:

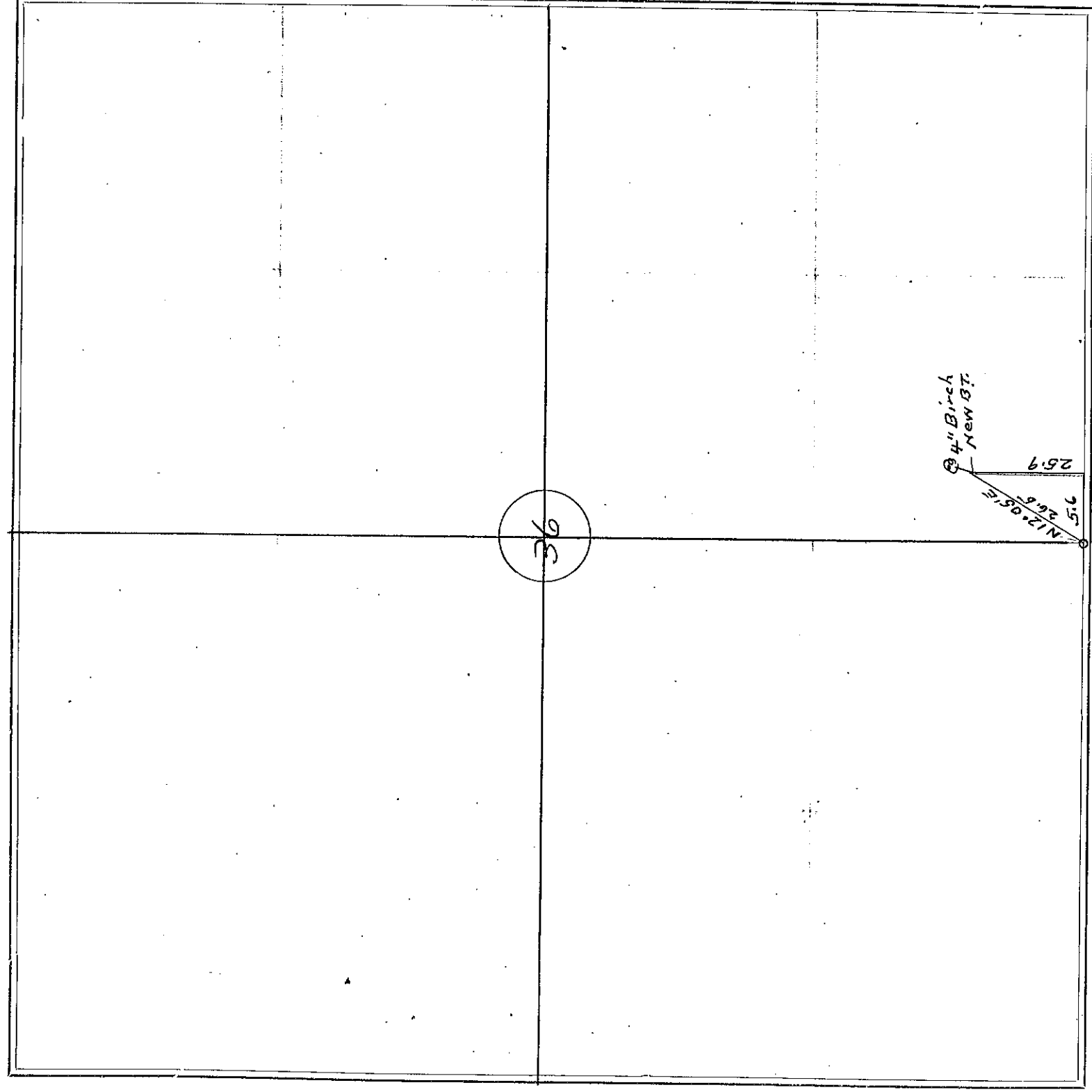
Shrick Poplar N 43° 15' E 183.3 feet in Section 11
 4 inch Oak N 23° 05' W 123.2 feet in Section 10
 Spruce Oak N 87° 24' W 106.6 ft to face of trees

Distance from this corner East to the Meander Corner is
 1056.0 ft U.S. Chain and is 1070.28 feet my chain
 Distance to the Section Corner West is 5266.80 feet U.S. Chain
 and equals 5338.04 feet my chain
 Distance North and Distance South to the opposite 1/4 corner
 is 2640 feet each way U.S. Chain and is 2634.74 each way my
 chain

To establish the line line for a road between Rees 10 and 11
 T 43.931, we begin at 1/4 Corner between Rees 10 and 11 and run:
 South on random line between Rees 10 and 11, Variation reads
 9° 50' E; at 188.0 feet on hill; at 300 slabs; 418.50 Hub.
 600. slabs; 783.3 Hub near point where present road turns SW
 at 900 slabs. 1200 slabs; 1437.9 Hub in hard wood timber;
 1500 slabs; 1700. slabs; 1714.2 Hub; 1800 South falls in center of
 Nokay Peble River which has solid bottom; 1/2 foot of water; flow
 West and is about 30 feet wide
 at 1930.1 Hub; 2000 slabs; 2233.80 Hub; 2300 slabs; 2586.2
 Hub; At 2594.10 South we cross our E and W random line at
 a point 1056.30 ft West of U.S. Meander Corner at Round Lake: at

SURVEY No. 146

Section 36 Town 44 Range 31



FIELD NOTES.

Notes Continued From Page 229.

26 34 74 South the corner to Section 10-11-14-15-743 or 31 sets West 14.52 feet.

Correction of this half mile = .005511 of a foot West for each foot South or 0°19' to the Right

Hub 188. S. goes West 1.04 feet.	Hub 418.5 S. goes West 2.30 feet
" 783.3 " " 4.32 "	" 1200.0 " " 6.61 "
" 1437.9 " " 7.92 "	" 1714.2 " " 9.45 "
" 1930.1 " " 10.63 "	" 2233.8 " " 12.31 "
" 2634.74 " " 14.52 "	To the corner of Section 10-11-14-15-
743 N. or 31. W.	

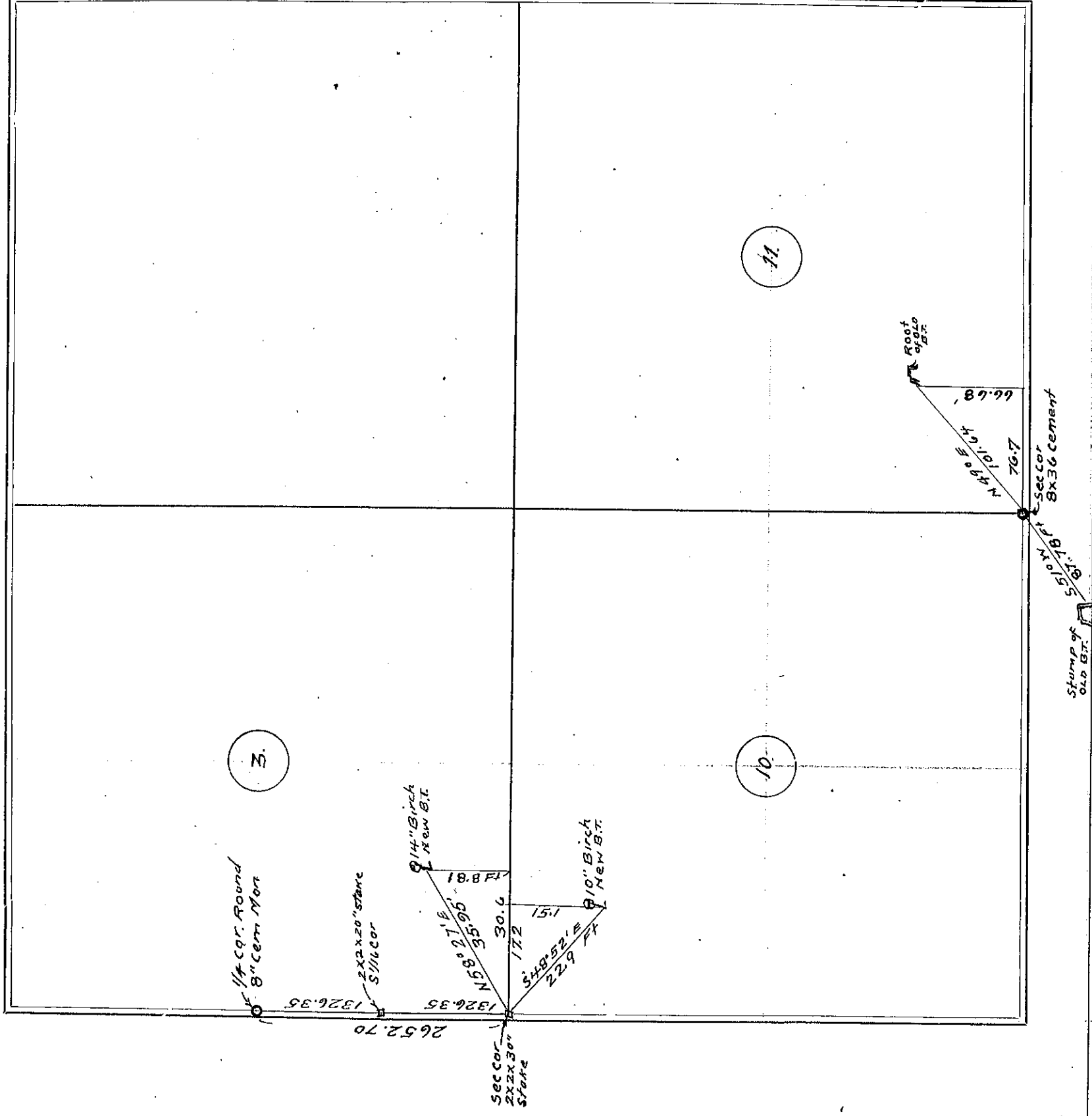
At each correction we set good hubs and left platen marked "True Section Line - Road Center"

I was assisted in this survey at various times by Henry R. Langevin; Leon De Rozier; Adam Tourtyes Sr.; Eugene Beillette; Adam Tourtyes Jr.; Dennis Langevin; Geo Franklin; Joseph S. Moss; Frank Hecox and Harold Curo

Survey begun Oct 5-1918 Finished May 26-1919.
Recorded Feb 6th 1920

John W. Cress
County Surveyor

Sections 3-10-11- Town 135^N Range 28^W 5⁴ P.M.



FIELD NOTES

Survey extends over Part of
Sections:

3. 4. 5. 8. 9. 10. 11. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 26.
27. 28. 29. 30. 31. 32. 33. T. 1354 R 28W

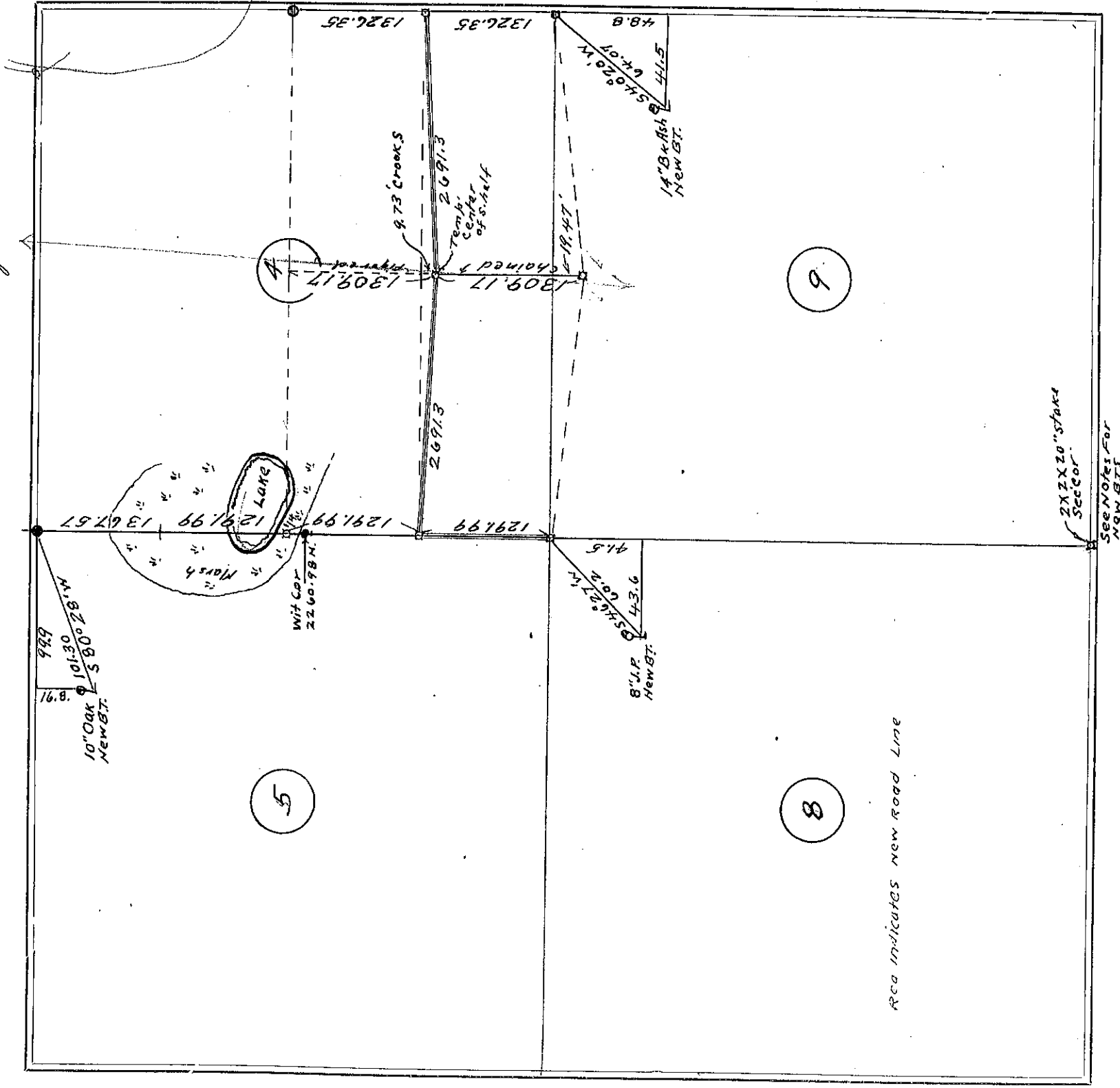
Sections 32. 33. T 136 N R 28 W 5th P.M.
and
Crow Wing Co Minn

Field notes of the survey of a part of Sections
3, 4, 5, 8, 9, 10, 11, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 26, 27, 28, 29,
30, 31, 32, 33. Township 135 N. Range 28 W. and
Sections 32, 33 Township 135 N. Range 28 W.
Crow Wing County Minnesota as surveyed by and under
the direction of John H. Cress, County Surveyor
intended for Lake Edward Township for the purpose
of establishing section corners, section lines and new
bearing lines, for road purposes
At the corner to Sections 15, 16, 21, 22, T 135 R 28 we
find all the four old U.S. bearing line slumps as called for
in the U.S. field notes, from which I set the line
section corner and using a joint of 8. inch staves
as a form, set a cement post 36 inches long its full
length in the ground.

At the corner to sections 14. 15. 22. 23. T. 135. R. 28 W.
I establish the line corner from the blimp of the old S. W.
Notes Continued On Page 232. Over.

SURVEY No. 147

Sections 4 5 8 9 Town 135 N Range 28 W 54 P.M.



FIELD NOTES.

Notes Continued From Page 231

bearing line given in the field notes of the U.S. survey, and set cement post 8x36 inches its full length in the ground for the true corner and like new bearing lines as follows:

Fence post N 31° E 30.37 feet in section 14.

Fence post N 35° 49' W 32.30 feet in section 15

Fence post S 54° 48' W 55.15 feet in section 22

Fence post S 83° 20' E 20.40 feet in section 23.

In section 14; N 31° E 30.37 feet to a 6 inch fence post thence South 26.0 feet; thence West 15.64 feet to section corner. thence on the face of the stump of the old U.S. bearing line: thence North 66.1 ft.; thence East 121.8 feet to the Sec. Cor: thence

In section 23: S 61° 30' W 138.60 feet to the B.T. marks

thence North 2.4 feet: thence West 20.3 feet to section corner.

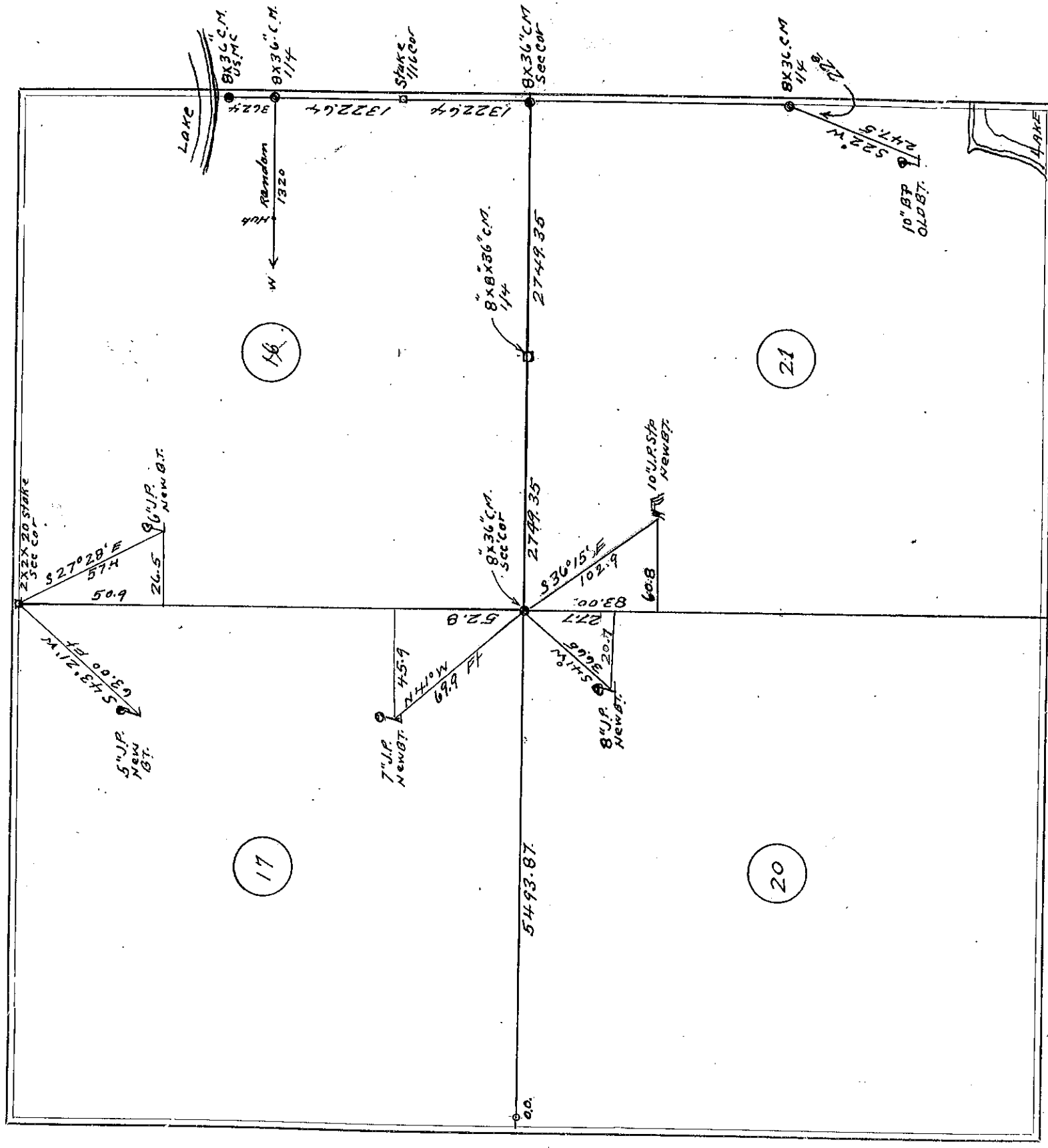
As the U.S. Bearing lines to the 1/4 corner sections 15 and 22 are gone, I carefully chain the entire mile and find the distance 5199.9 feet. At a point on a straight line and half way between the section corners, being 2594.95 feet each way, I set a cement

post 8x36 inches in size its full length in the ground for the true 1/4 corner between sections 15 and 22 7135 728

We drew a row of 3x20 inch dry lamarrack hubs, about every 600 feet the entire mile to mark road center

At the U.S. Meander corner between sections 15 and 16. 7135 N. 728 W, we find the stumps of both old U.S. bearing lines from which I set an 8x36 inch cement post its full length in the ground for the true Meander corner.

We are making all these cement posts with 2 joint Notes Continued On Page 233.



FIELD NOTES.

Notes Continued From Page 233.

At the $\frac{1}{4}$ corner between Sections 14 and 15 $T 135 N. R 28 W$, we find the slumps of both old U.S. bearing lines from which we set an 8×36 inch cement post its full length in the ground for the line $\frac{1}{4}$ corner.

From this $\frac{1}{4}$ corner South to the section corner, it is 2643.58 feet my chain carefully chained.

With transit at $\frac{1}{4}$ on between 14 and 15, I back sight half a mile South on the line line, transit telescope and run from the $\frac{1}{4}$ corner North on random bet secs 14 and 15. At 2649.33 feet North the corner to Sections 10-11-14-15 set East 27.35 feet.

At the corner to secs 10-11-14-15 $T 135 N. R 28 W$, U.S. sales call for post and: Norway Pine 16 inch, $S 51^{\circ} W$ 133 links (= 87.78 feet) Norway Pine 14 inch, $N 87^{\circ} W$ 260 links (= 171.60 feet) Oak 6 inch $N 49^{\circ} E$ 154 links (= 101.64 feet).

We find the old slumps plainly marked from which we set the post point for the line corner after which the roots of the old N.E. and check for course and distance. The NW slump is burned.

From this line corner we run

In Section 11: $N 49^{\circ} E$ 101.64 feet to the root of the old B.T. thence South 66.68 feet: thence West 76.7 feet to section corner: thence

In Section 15: $T 135 R 28$; $S 51^{\circ} W$ 87.78 feet to figures on face of old B.T. slump: thence $N 49^{\circ} E$ 101.64 feet to figures on face at which point we set an 8×36 inch cement post its full length in the ground for the line corner.

We set a row of 3×20 inch laminated hubs driven flush with the ground about every 600 feet along the entire mile of line between sections 14 and 15 to mark the road center.

The North half of this mile crosses East of the South half $0^{\circ} 36'$ or 27.35 feet East in 2649.33 North.

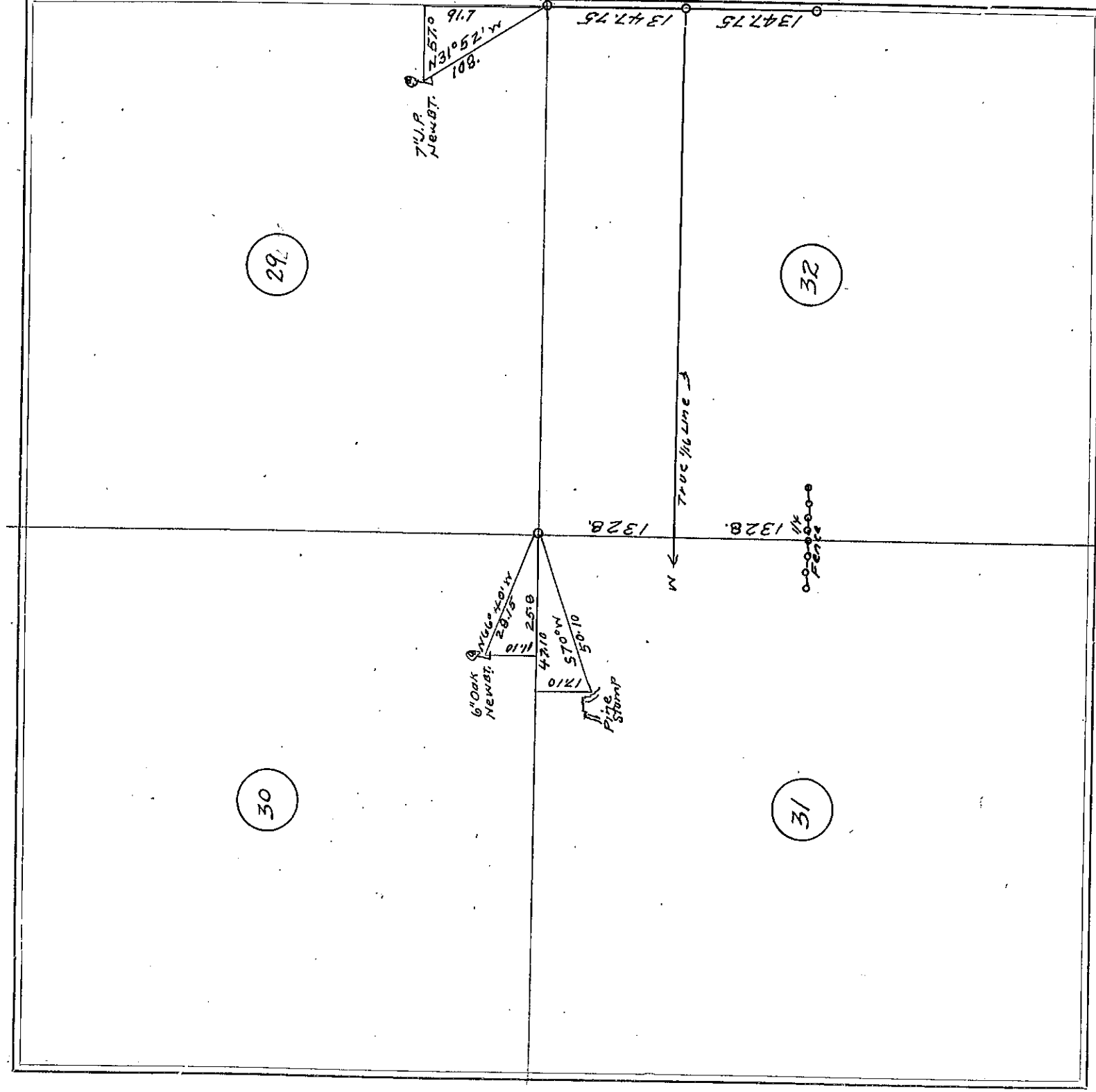
Notes Continued On Page 235.

SURVEY No. 147

Sections 29, 30-31-32

Town 135 N.

Range 28 W. 5th PM.



FIELD NOTES.

This $1/4$ corner sets 200 feet South and 200 feet East of open water of the lake in this bog - Bog begins at $24^{\circ} 15'$ West and extends to about 4400 West with lake in center which we had to triangulate to get the distance across.

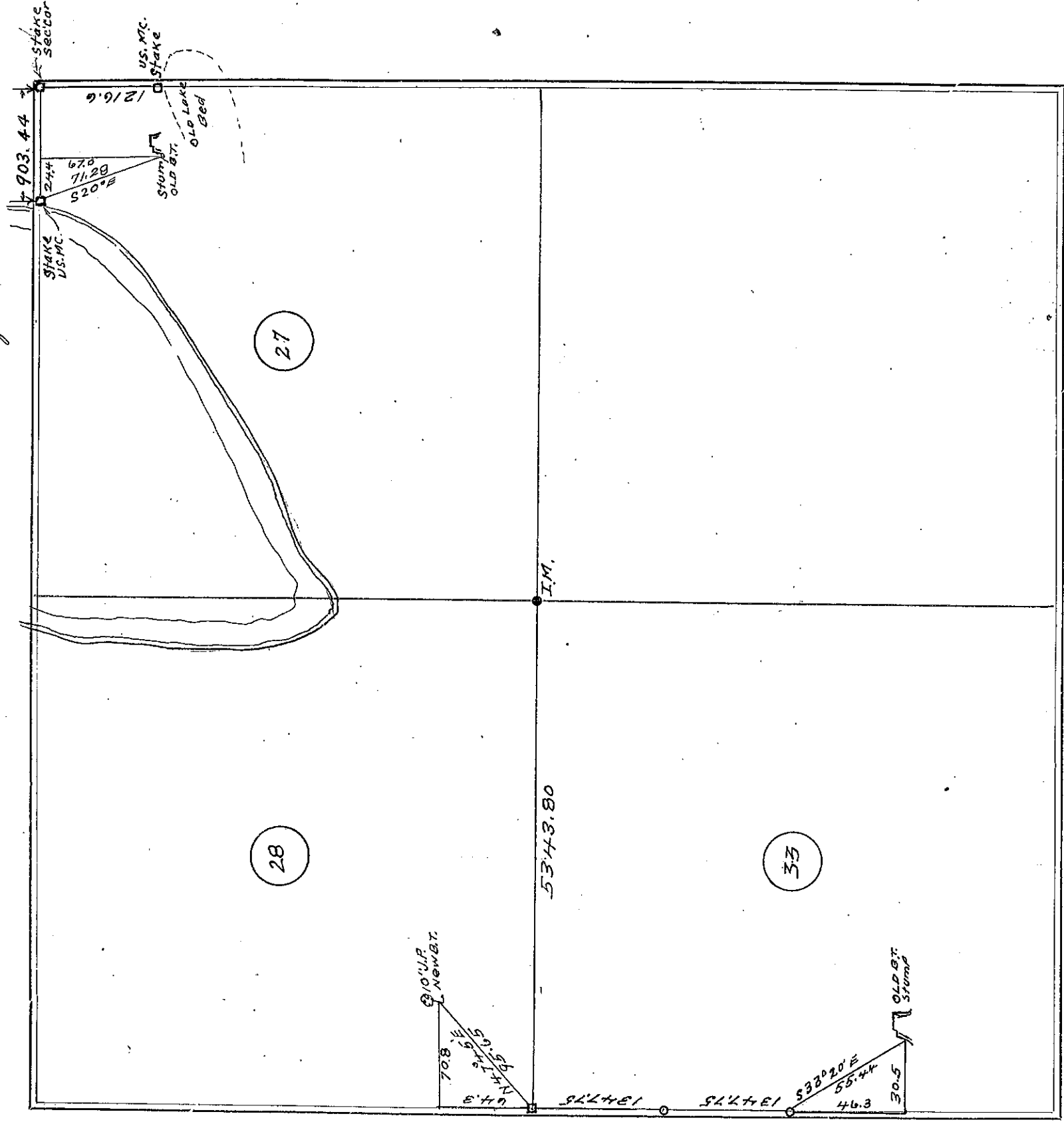
At a temporary corner near corner to sections 17-18. we run East on random line between sections 18-19, 17 and 20 a distance of 5493.87 feet to the corner to sections 15-17-20. Then from stake o.o. which is 5493.87 West we run West between Secs 18 and 19 Var $8^{\circ} E$: at $1377.40 = 6871.27$ West set hub: at 5319.60 plus 2086.92 equals 7406.52 West which is the distance given in the U.S. field notes we set a $2 \times 2 \times 20$ inch stake for temporary U.S. Meander Corner between sections 18 and 19 $7^{\circ} 13' 15'' R 28'$ where U.S. Notes call for a post and: Norway Pines 14 inches, $N 6^{\circ} W 120$ Lks ($= 79.20$ feet) Black Pines 6 inches, $S 75^{\circ} E 76$ links ($= 50.16$ feet)

From the temporary M.C. I run In Section 18: $N 6^{\circ} W 97.20$ feet: thence South 78.8 ft: thence East 8.3 ft to place of beginning: thence

In Section 19: $S 75^{\circ} E 50.16$ feet: thence North 13.0 feet: thence West 48.5 feet to place of beginning. I run this line angle in order to find and fit some old stumps into the field notes but the stumps here do not fit.

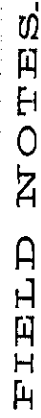
At $1604 = 7098.02$ West I set hub in center of M and S R.R. track: at $1910.10 = 7403.97$ West set hub on sea wall: at about $1956 = 7450$ West intersect water's edge of Lake Hubert.

The town board do not care to finish this line just now, but I will record what we have done, for the benefit of future surveys.



FIELD NOTES.

At the 1/4 corner between sections 21 and 22, U.S. Valis call for:
 Slabs and: Black Pine 10 inch, S. 22° 0' W 375 links (= 247.50 ft)
 "No other live near" We find the live standing green and plainly
 marked from which we set the live 1/4 corner, course lined
 from the live section line looking north and chained from
 the figures on the live and set an 8x36 inch cement post its
 full length in the ground for the live 1/4 corner
 At the corner to sections 4-5-8 and 9 7135 N R 28 W
 we find the stumps of and lines of all four old U.S. bearing lines
 from which by proportion I set a stake for the live section
 corner and mark new bearings as follows
 9 inch Jack Pine Slump N 39° 31' E 80.05 feet in Sec 4.
 12 inch Jack Pine Slump N 36° 55' W 56° 50' W 79.83 feet in Sec 5.
 8 inch Jack Pine Slump S 46° 27' W 60.20 feet in Sec 8.
 2 inch Burr Oak live S 60° 58' E 49.15 feet in Sec 9.
 At 7° 50' variation returned from the live line looking south.
 From this corner we run: In Section 8:
 S 46° 27' W 60.20 feet to the 8 inch Jack Pine live: thence north
 East 43.6: thence North 41.5 ft to place of beginning
 At the corner on town line to sections 4, 5, 32, 33 between
 Township 135 R 28 and 136 R 28 we find an iron pipe previously
 set by the County Surveyor which checks out with the stumps
 of the old U.S. bearing lines where I mark new bearings as follows:
 8° 15' 0" on E.
 5 inch Jack Pine N 54° 13' E 48.75 feet in Sec 33.
 5 inch Burr Oak N 31° 56' W 55.70 feet in Sec 32.
 10 inch Burr Oak S 80° 28' W 101.36 feet in Sec 5.
 6 inch Burr Oak S 46° 37' E 38.70 feet in Sec 4.



From this iron corner we run
48.75 feet to the 5 inch jack pins; thence West 39.5 ft; thence South
28.5 feet to Section corner. thence

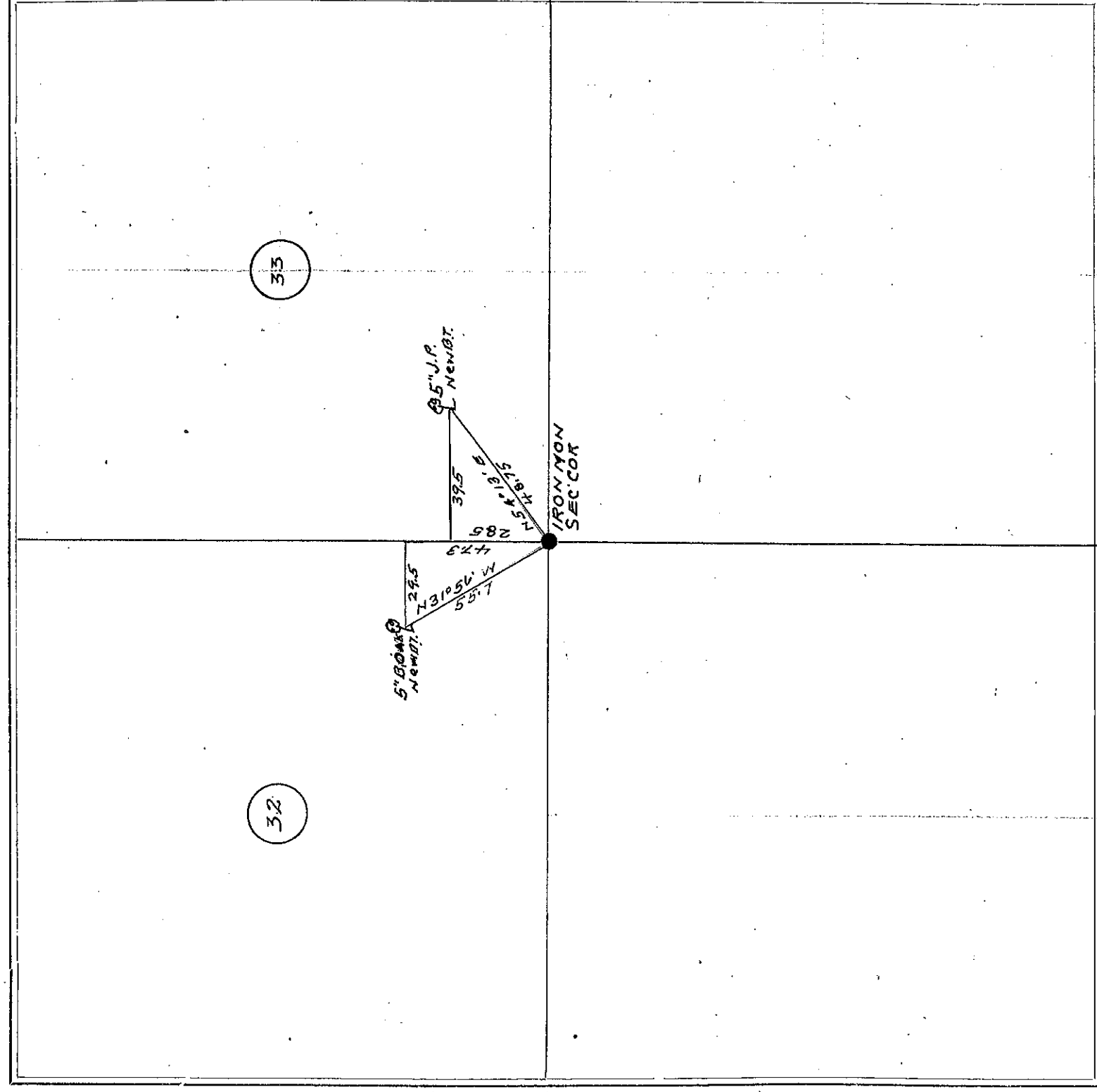
In Section 32: N 31° 56' W 55.70 feet to 5 inch Burn Oak; thence East 29.5 feet; thence South 47.3 ft. to Section corner. Thence In Section 5: S 80° 28' W 101.3 feet to the 10. inch Burn Oak; thence North 16.8 feet; thence East 99.9 feet to Section corner.

We run the line North between Sections 4 and 5 and find the distance 5243.53 feet my chain; the U.S. males call for this line 5357.22 feet; Our chain shows it 113.69 feet short. In establishing the $\frac{1}{4}$ corner and the $\frac{1}{16}$ corner on this line I set them by proportion At 1291.99 North I set the South $\frac{1}{16}$ corner between Sections 4 and 5 7135 N 28 with bearing lies as follows: Burn Oak 4 inch, N 40° 18' E 44.75 feet; Jack Pine 6. inch, N 30° 10' W 73.48 feet; turned from the line N and S. Section line which reads 7° 24' var E magnetic.

From the corner to Section 4-5-8-9 North 15 the witness corner it is 2310.00 feet U.S. chain and I find it 2260.98 feet my chain the corner comes on a straight line between Section corner, and I find the stump of both bearing trees called for in the U.S. field notes.

The lake has dried up. I find room to establish the 1/4 section corner between sections 4 and 5 and set a 2 x 2 x 40 inch pine stake for the same with new bearings as follows:

Grinch payplan S 14° E 278.60 feet: Pine Blimp S 61° 44' W 92.30 feet:
Pine Blimp. S 40° 19' W 92.30 feet. courses turned from the line section
line N & S: This 1/4 corner is 2583.98 feet north of the corner to
sections 4, 5, 8 and 9 and the entire mile is straight: the 1/4 corner
sets in the 607.35 feet West and 25 feet South of open water



FIELD NOTES.

We get the distance across the lake by triangulation. At the corner to Secs 3, 4, 9, 10, T 135 R 28, U.S. notes call for post and: Tamarack 12" S 81° E 95 links (= 62.70 ft) Tamarack 8" N 56° E 205 links (= 135.30 ft) (Elm 6" N 43° W 174 links (= 114.84 ft): Ark 8" S 33° W 63 links (= 41.58 ft)

We find the S.E. tamarack standing dead and plainly marked also the stump of the A.W. Ark, from which I set a 2x2x30 inch stake for the line section corner by flat chain from face of the old bearings lines after which they stand perfect in course and distance @ 9° 25' 00" E

We mark new bearing lines as follows: Birch 14" N 58° 27' E 35.95 feet: Poplar 9" N 61° 35' W. 45.09 feet: Black Ark 14" S 40° 02' W. 64.07 ft Birch 10 inch S 48° 52' E 22.90 feet: Old tamarack B.T., ~~S~~ S 81° E 62.70 feet: Old Ark stump S 33° W 41.58 ft at 9° 25' 00" E

From this corner I run In Section 3, N 58° 27' E 35.95 ft to the 14 inch Birch; thence S. 180 feet; thence West 30.6 ft to Sec corner. thence In Section 9, S 40° 20' W 64.07 feet to the 14 inch Black Ark; thence East 41.5 ft; thence North 48.8 feet to Sec corner. thence In Section 10: S 48° 52' E 22.90 ft to the 10 inch Birch; thence North 151 ft; thence West 17.2 ft. to place of beginning

From the corner to sections 3, 4, 9, 10 T. 135 R. 28 we run North on random line between sections 3 and 4: At 1320 ft N. set hub for temporary 1/4 corner between sections 3 and 4: The line 1/4 corner sets 53° 35' E 21.40 feet at which point we find an 8 inch cement post set for the line 1/4 corner between sections 3 and 4

At 2652.70 N, this 1/4 corner sets East 17.22 feet Correcting Back: At 1320 N, I run N 53° 35' E 10.70 feet and set a 2x2x30 inch pine post for the line South 1/4 corner

Section Town Range

| | |
|--|--|
| | |
| Note:
Plots of
Record No. 147
On Page 231 to 247. | |

FIELD NOTES.

between Sections 3 and 4 from which we run West on random South $\frac{1}{16}$ line this Section 4 T 135 R 28: Magnetic variation reads $8^{\circ}15'E$: Ht 88 ft West a road bears N & S: at 329 W. a road N. and S: at 150 cranberry bog NE and SW: at 1303 Lv 609 NW and SE: at 1721 W, road NE & NW: at 1760 enter swamp NW and SW: 2640 Lv swamp: at 3107 enter swamp N & S: at 3621 road N and S: 3780 Lv swamp: 4306 road N and S: 5280 W, set hub from which the South $\frac{1}{16}$ corner between Secs 4 and 5 bears $60^{\circ}09'R$ 200.30 feet, or N $29^{\circ}05'1''W$ 200.30 feet: Ht 5379.70 West this $\frac{1}{16}$ corner sets North 173.73 ft

Correction: To correct this line straight west for the entire mile would be .032293 of a foot North for each foot West or 1.951' R. Ht hub 2640 West I turn $60^{\circ}09'R$ and run N $29^{\circ}05'1''W$ 100.15 feet and set hub on line straight E and W. for temporary center of South half of Section 4, over which I set transit both right on hub 2640 with vernier at $60^{\circ}09'$ then turn telescope to the Right till it reads 90° : then still further to the Right $1^{\circ}51'$ and run South random thus the center of the South half of South half of Sec 4 at 90° to a straight line E & W:

Ht 4358.46 1328.64 South the $\frac{1}{4}$ corner between Secs 4 and 9 T 135 R 28 bears East 15. feet: At this point U.S. marks call for a post and: Tamarack 5" $54^{\circ}3' E$ 8 links (≈ 5.28 feet) Tamarack 6" N $20^{\circ} E$ 25 links (≈ 16.50 feet) We find the tall round stump of the broken off old N.E. Bearing tree plainly marked also the root of the N.E. tree and set $\frac{1}{4}$ corner by flat chain from face of each tree after which the line stand O.K. for course at 70 cor.

We set a $3 \times 3 \times 50$ inch tamarack stake for the line $\frac{1}{4}$ corner between Sections 4 and 9 Town 135 N. R 28 W with new bearings as follows:

Note:
Plots of Record No 147
On Page 231 To 247.

FIELD NOTES.

the line section corner by flat chain from face of old B.T. marks after which the old lines stand correct for corners. We mark new bearing lines as follows: Jack Pine 6" S 27° 28' E 57.40 feet; Jack Pine 5" S 43° 21' W 63.00 ft at 9° 10' 00" E. Minimum In Sec 16: S 27° 28' E 57.40 to 6.21 ft; then N 50.9 to sec on ft the corner to Section 27-28-33-34 T 135 R 28 we find an iron monument established by John W. Cuss. years ago. set from the old U.S. bearing lines

Section 28-29-32-33. where we find the old N E bearing line standing green and plainly marked and we find also the old NE line blown over also plainly marked and from these two old U.S. bearing lines we set a stake for the line section corner and mark new lines as follows: Jack Pine 10" N 47° 45' E 95.65 feet; Jack Pine 7" N 31° 52' W 108.00 ft. Br Oak 8" S 47° 45' W 57.30 ft. Jack Pine 10" S 37° 18' E 57.50 ft @ 8° 30' 00"

From this section corner we run

In Section 28: N 47° 45' E 95.65 ft to a 10 inch jack pine tree; thence West 70.8 ft; thence South 64.3 ft to Section corner; thence

In Section 29: N 31° 52' W 108.00 ft to a 7 inch jack pine; thence East 57.0 ft; thence South 91.7 ft to Section corner; thence

South between Sections 32 and 33 71.35 R 28 on random line and find the distance 26.95. 50 feet to the 1/4 corner between Sections 32 and 33 where U.S. marker call for a post and the following bearing lines: Black Pine 7 inch S 9° 0' W 134. links (= 88.44 ft)

Norway pine 12 inch, S 33° 20' E 84 links (= 55.44 feet) We find the stump of the old S.E. bearing line from which we set a 3x3x36 inch Jack pine stake for the line 1/4 corner derived from the line line North which runs on 10° 20' 00" E.

From this 1/4 corner we run In Section 33: S 33° 20' E 55.44 feet to the old Norway pine stump;

Section Town Range Orange

Note:
Plots of Record No. 147
On Page 231 to 247.

FIELD NOTES.

thence West 30.5 ft: thence North 46.3 feet to the $\frac{1}{4}$ corner. At 1347.75 ft South of the section corner, I set a $2 \times 2 \times 36$ inch pine stake for the line South $\frac{1}{16}$ corner between sections 32 and 33 7135 R 28 then correct-up the 80 rods North and set good hubs and tall stakes marked "True section line - Road center" about every 300 feet.

We correct up the mile of line straight between sections 28 and 33 and set good hubs and tall stakes about every 300 feet marked "True section line - Road center".

At the corner to sections 29-30-31-32 7135 R 28 we find all four stump of the old U.S. bearing lines from which we set a hub and tack for the line section corner by proportion from the old stump. We mark new bearings on faceboard:

Jack Pine 6 inch, N $45^{\circ} 20' E$ 26.80 feet; Oak 6 inch, N $66^{\circ} 40' W$ 28.15 feet. Old Pine stump S $70^{\circ} W$ 50.10 ft. From this the cor we run:

In section 30 7135 R 28: N $66^{\circ} 40' W$ 28.15 feet to a 6 inch oak; thence South 16.1 ft: thence East 25.8 ft to the cor: thence

In section 31: S $70^{\circ} W$ 50.10 feet to a pine stump: thence North 17.1 ft: thence East 47.1 ft to the section corner from which we run

South on random line between sections 31 and 32 var $9^{\circ} 30' E$: at 200 set stake N. edge of wet bog: at 475 leave bog: at 500 stake: at 600 hub: at 617 cross main road E & W: at 900 stake: at 1100 end small swamp: at 1200 stake: at 1320 set stake for temporary $\frac{1}{16}$ corner - L bog: at 1468.0 hub: at 2043.90 set hub: at 2474.30 set hub: at 2656.00 indirect good wire fence E & W at a point 11.00 feet West of a square stake set for the $\frac{1}{4}$ corner. As they all say this fence is on the East $W \frac{1}{4}$ line, and as the town board do not

Section TownRange

Note:
 Plot of Record No. 147
 On Page 231 to 247.

FIELD NOTES.

want to take time to look up the bearing lines to this $\frac{1}{4}$ corner, and as we only want the length of this line to find the position of the E and W. $\frac{1}{16}$ line 80 rods North we figure that the $\frac{1}{16}$ North $\frac{1}{16}$ corner falls at a point 1328.0 South of the corner to Sections 29-30-31-32. T 135 R 28.

At a point 1320 feet South of the N.E. corner of Sec 32. we run a random line West on North $\frac{1}{16}$ line then Section 32. T 135. R 28. @ 90° to N. and S. random: at 572.7 W. set hub at 1320. set hub: at 1550 road bears NE and S.W. at 2050.10 Hub: at 2640 hub: at 2665 road NE. SW: at 2637 Cross fence N & S. 40 feet North of E and W road at gate: at 2988 West cross same road bears NW and S.E.: at 3351.50 set hub: at 3600 stake in plowed field: at 2882.90 Hub E. of pig pen: 3900 falls in pig pen: at 4200 set stake in field 7 ft N. of E & W fence: at 4321. Cross N & S fence 3 ft North of corner post: at 4394.80 set hub: at 4948.90 hub: at 5280 small hub in East edge of small swamp: at 5370 West intersect our random line from the North, at 1249.90 South.

In order to see if the $\frac{1}{4}$ corner between Sections 29 and 32 will cause a cross in the E and W. mile of line, we begin at hub 2640 West on the random North $\frac{1}{16}$ line of Sec 32, from which we turn 90° angle and run:

North this center of $N\frac{1}{2}$ of Sec 32. on random line: At 757.70 N. set hub: at 1320 N. set hub and look for the $\frac{1}{4}$ corner between Sections 29 and 32 but do not find it.

At the corner to Sections 28, 29, 32, 33. T 135. R 28 set transit, back sight South on random line. Turn 0° 50' Left and run North between Sections 28 and 29 for reads 9° 20' E:

at 1444.60 N. set hub: at 450 center open meadow bears NW and NE: at 1291. N. fence E & W: at 1700 leave meadow

[illegible]

FIELD NOTES.

bears E and W: at 1820. Center of road E & W: at 1831.90 set hub: We run to 2640 North but do not find the 1/4 corner between Sections 28 and 29 and the lower board do not want to push this survey any further North just now.

At the $\frac{1}{4}$ corner between sections 23 and 26 T 135 R 28 U.S.
 nalis call for post and: Norway pine 8 inches, North 17° W 63. links
 (= 41.58 feet) We find the stump of the old tree plainly marked from
 which I set a stake for the line $\frac{1}{4}$ corner.

At the Mcander Pond on the East side of Lake, between Sections 22 and 27. T 135 N 28. U.S. miles call for foot and: Black Pine 8", S 20° E 108 links (= 71.28 feet) Norway Pine 14", N 82° E 152 links (= 100.32 feet) We found the stump of the old P.E. lies plainly marked from which we set a stake for the true N.C. turned from the true line E and W and mark new bearing lines as follows: Norway Pine 14 inch. N 74° 35' E 119.55 feet.

Out 9 inch: S 25° 15' E 68.95 feet: Vertical coils 9th E. I was assisted in this survey at various times by Roy E. Bryant Asst. Eng'r and Harold J. Curo Asst. Eng'r also as men and chainmen as follows: Chas. E. Vandercell; Herbert W. Hamilton; Everett H. King; Louis Saenger; Fred W. Lester; Harry M. Hoff; W. S. Hunt; Raymond Hunt; Harry Dandaneid; Nels Christensen; John Schell; J. D. Cornell; Geo. White. Survey began July 20-1917: Finished June 2nd 1919
Recorded

After chaining North South East and West I find two of the old stumps of the U.S. bearing lies at the corner to sections 22-23-26-27 T135 R28 from which I set a hub for the line section corner and find that it sets on a straight line between $\frac{1}{4}$ corner East and the Meander Corner West and at a point 2507.50 West of the $\frac{1}{4}$ Corner between sections 23 and 26 and 903.44 feet East of the Meander Corner between sections 22 and 27.

Note: Plats of Record No. 147
on Page 231 to 247.

FIELD NOTES.

We made new bearings as follows: Jack pine 14 inch, N 51° 08' E 26.15 feet:
Jack Pine 6 inch, N 51° 08' W 17.05 feet (same angle); Jack Pine 5 inch, N 79° 15' W 29.86 ft
To check to stumps at Meander Corner, S. Corner.

On Section 27: S 20° E 71.28 feet to the old B.T. stump; thence north 67.0 feet:
thence West 244.4 ft to the Meander Corner between Sections 22 and 27 T 135 R 28.

From the corner to Sections 14-15-22-23- we run south between
Sections 22 and 23 on random line: at 2023.70 ft: at 3962.50 ft:
at 5580.70 ft: at 5600.20 South the corner to Sections 22-23-26-27 pds
East 9.73 feet: At 6432.30 South set hub from which the Meander Corner
on N. side of lake between Sections 26 and 27 bears S 11° 40' E 390.60 feet.
at 6814.83 South this M.C. sets East 80.0 feet: At this Meander Corner the
U.S. Valer call for a post and the following bearing line: Black Pine 10" N 24° W
30 links (= 19.80 feet) Black Pine 12 inch, N 43° E 65 links (= 42.90 feet) We find
the last stump of the old N.W. line standing plainly marked from which we
set a stake for the New Meander Corner with new bearing line as follows:
15 inch Oak N 71° E 49.40 feet; 18 inch Norway pine N 39° 10' W 62.00 feet:
From this corner we run: In Section 26: N 71° E 49.4 feet to the 15 inch
Oak: thence West 46.7 feet: thence South 16.10 feet to meander corner.

From this corner north to the corner of Sections 22-23-26-27 by way
of the Section line is 1216.6 feet and it angles at the Section corner 3018'
East to the Meander Corner.

We correct up the mile of line between Sections 22 and 23 T 135
R 28 so that the entire mile is straight, and at a point on this line
2177.6 feet South of the Section corner to 14-15-22-23, we establish the
New Meander Corner on North side of lake, from the stump of the old bearing
line, with new bearings as follows:

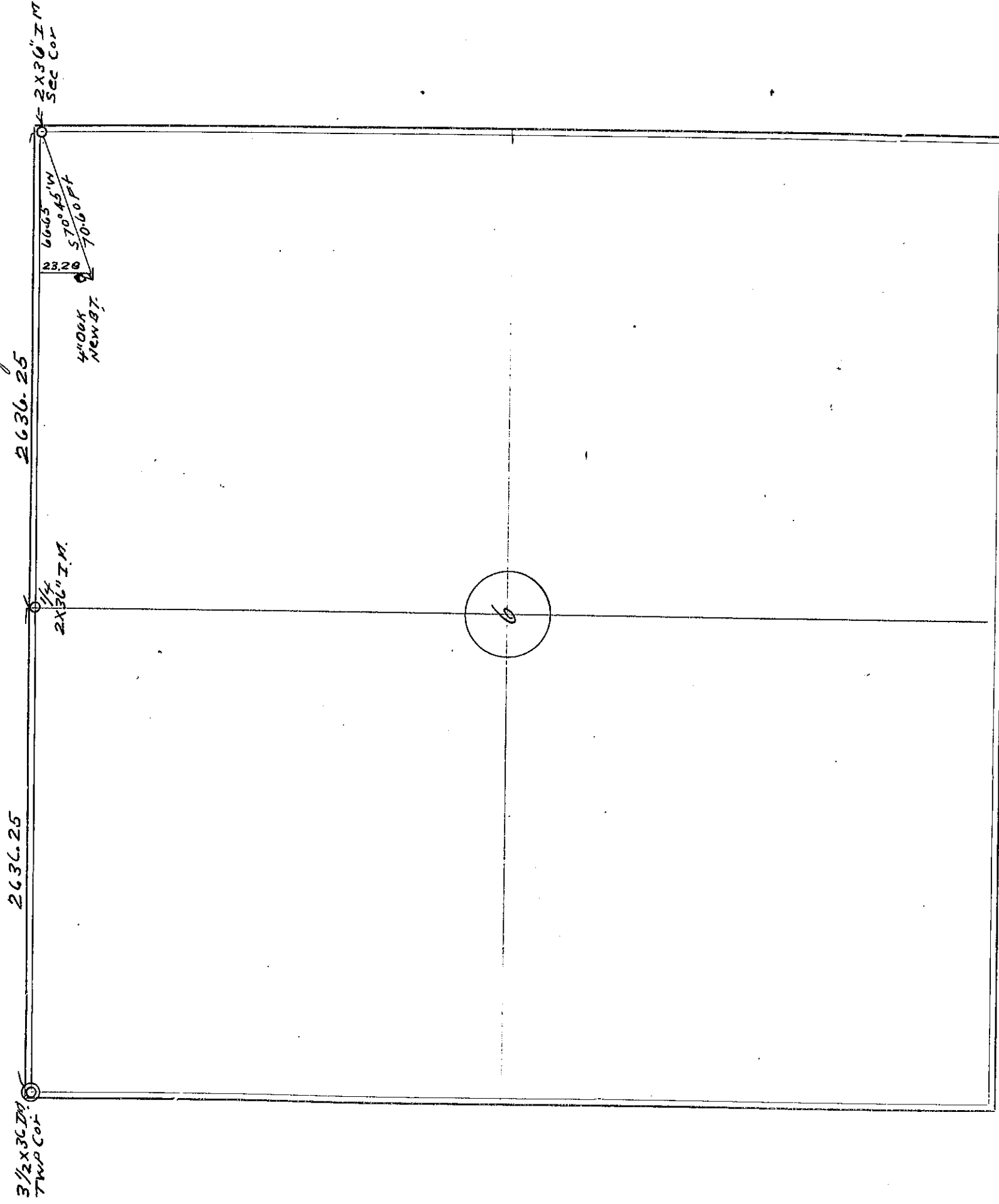
Pine Stump N 8° 30' E 94.38 feet: Pine stump 7 inch N 56° 08' W 68.83 feet:
Measured from the line N 72° 30' W @ 7° 30' on E.

SURVEY No. 148

Section 6 Town 43

Range 29

4th PM.



FIELD NOTES.

Survey extends over part of: Sections 5 and 6. T43^N R29^W also
 Sections 7, 8, 9, 15, 16, 17, 18, 19, 20, 21, 22, 28, 29, 30, 31, 32, T44^E R29^W also
 Section 1, T43^N R30^W also
 Sections 12, 13, 24, 25, 36, T44^N R30^W 54th P.M.
 Crow Wing Co Minn

Field notes of the survey of a part of Sections 5 and
 6. Townships 43 N. Range 29 W. and Sections 7, 8, 9, 15, 16, 17,
 18, 19, 20, 21, 22, 28, 29, 30, 31, 32. Townships 44 N. Range 29 W. and
 Section 1. Township 43 N. Range 30 W. and Sections 12, 13,
 24, 25, 36. Townships 44 N. Range 30 W. 44th P.M. Crow Wing Co
 Minnesota and the search for original U.S. Bearing lines
 in stone and establishment of new bearing lines and iron
 monuments as

Surveyed by and under the direction of John H. Crow
 County Surveyor, Crow Wing County Minnesota
 At the corner to Sections 5, 6, 31-32, between T43 R29 and T44
 R29, US notes call for post and

13 lat 20th 9 inch, N 34°W 15' links (= 9.90 feet)

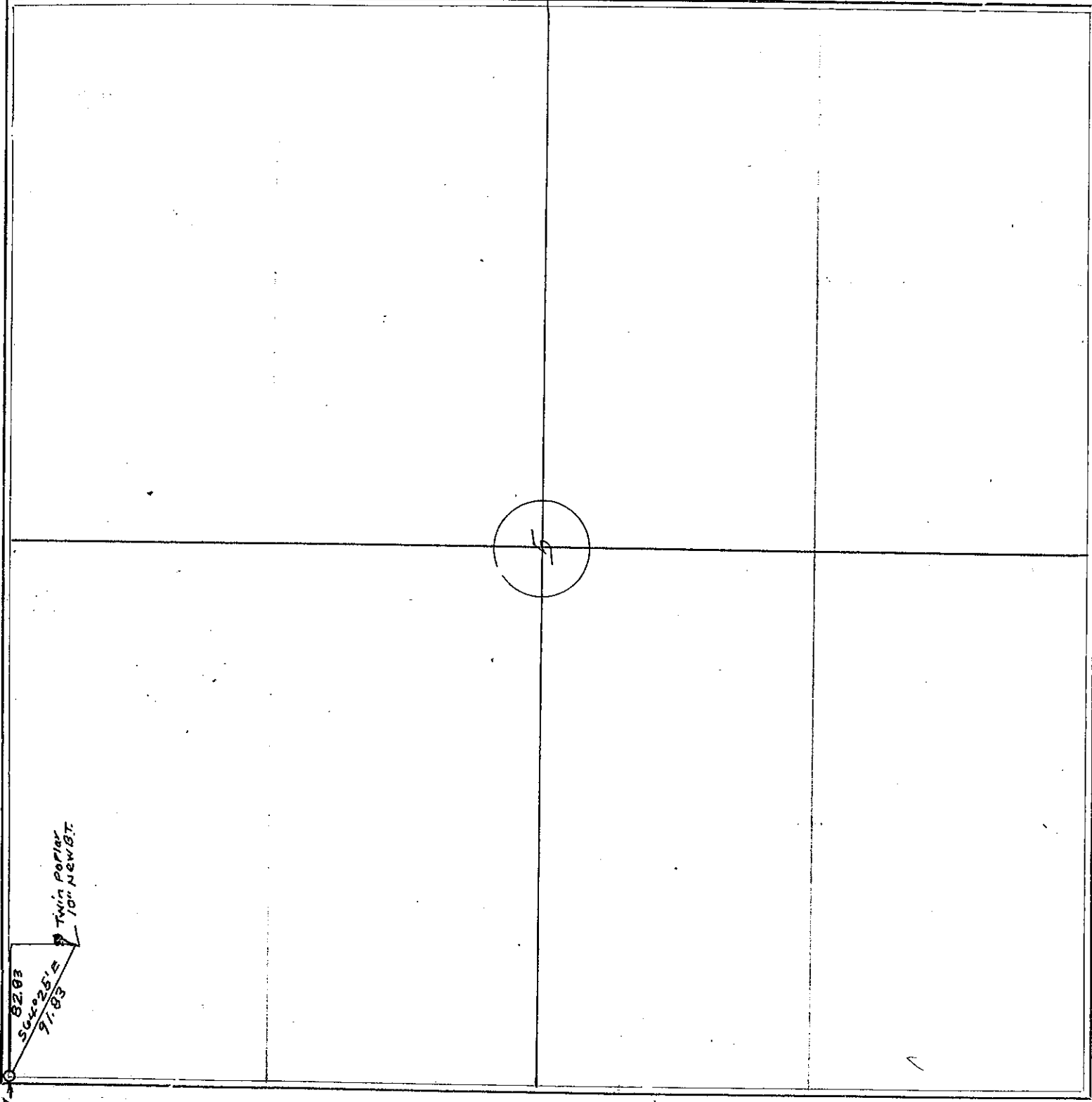
Open 12 inch, N 61°E 43 links (= 37.62 ft)

Open 10 inch, S 67°E 43 links (= 28.38 ft)

Open 10 inch, S 50°W 3 links (= 1.98 ft)

We find a stake and stone which check with the measures of
 the old bearing lines for the line corner!

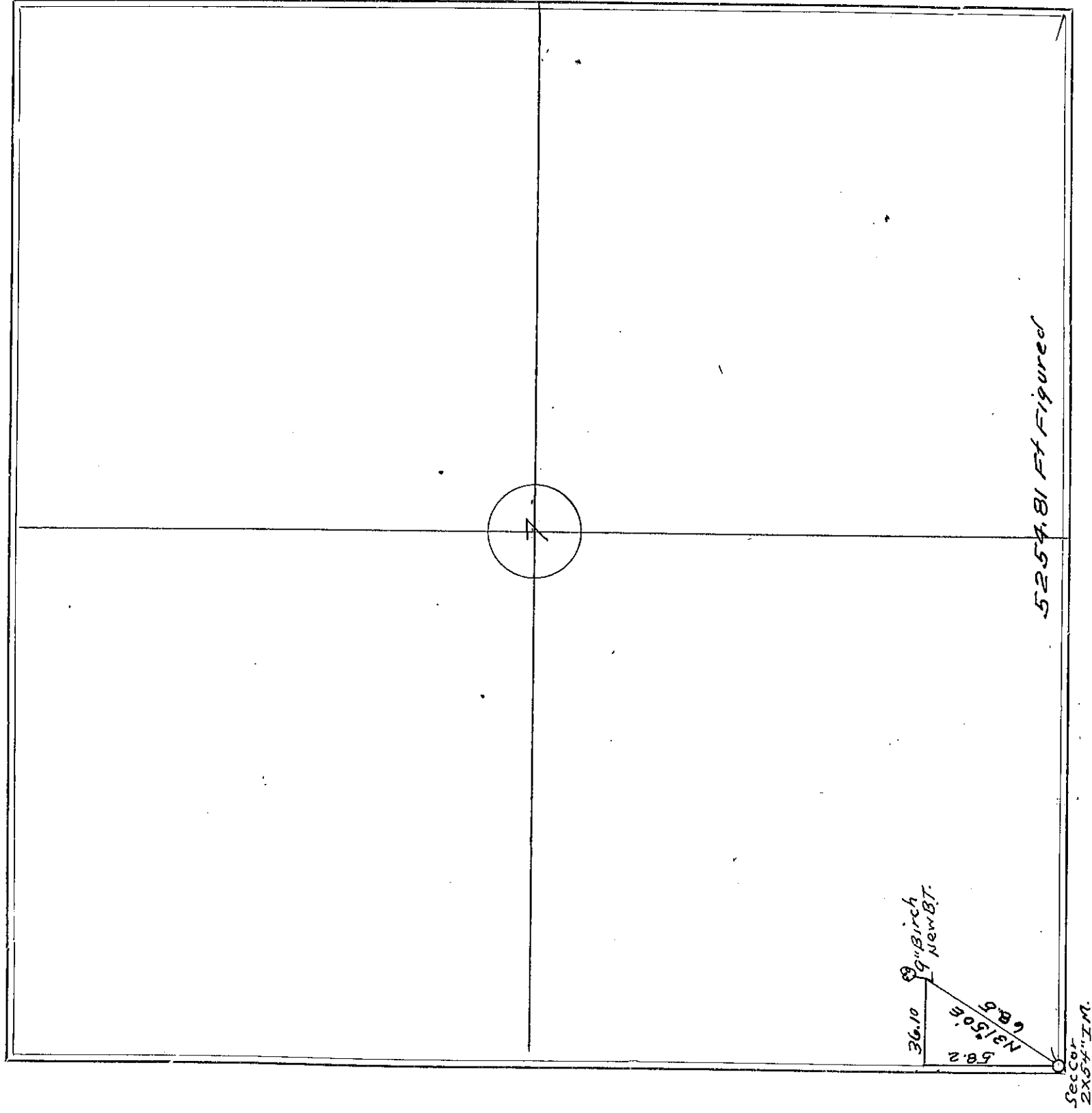
2X36" Z.M. SEC. COR.
8203
S 64° 25' E
91.83
TWIN PAPER
10" NEWBY



FIELD NOTES.

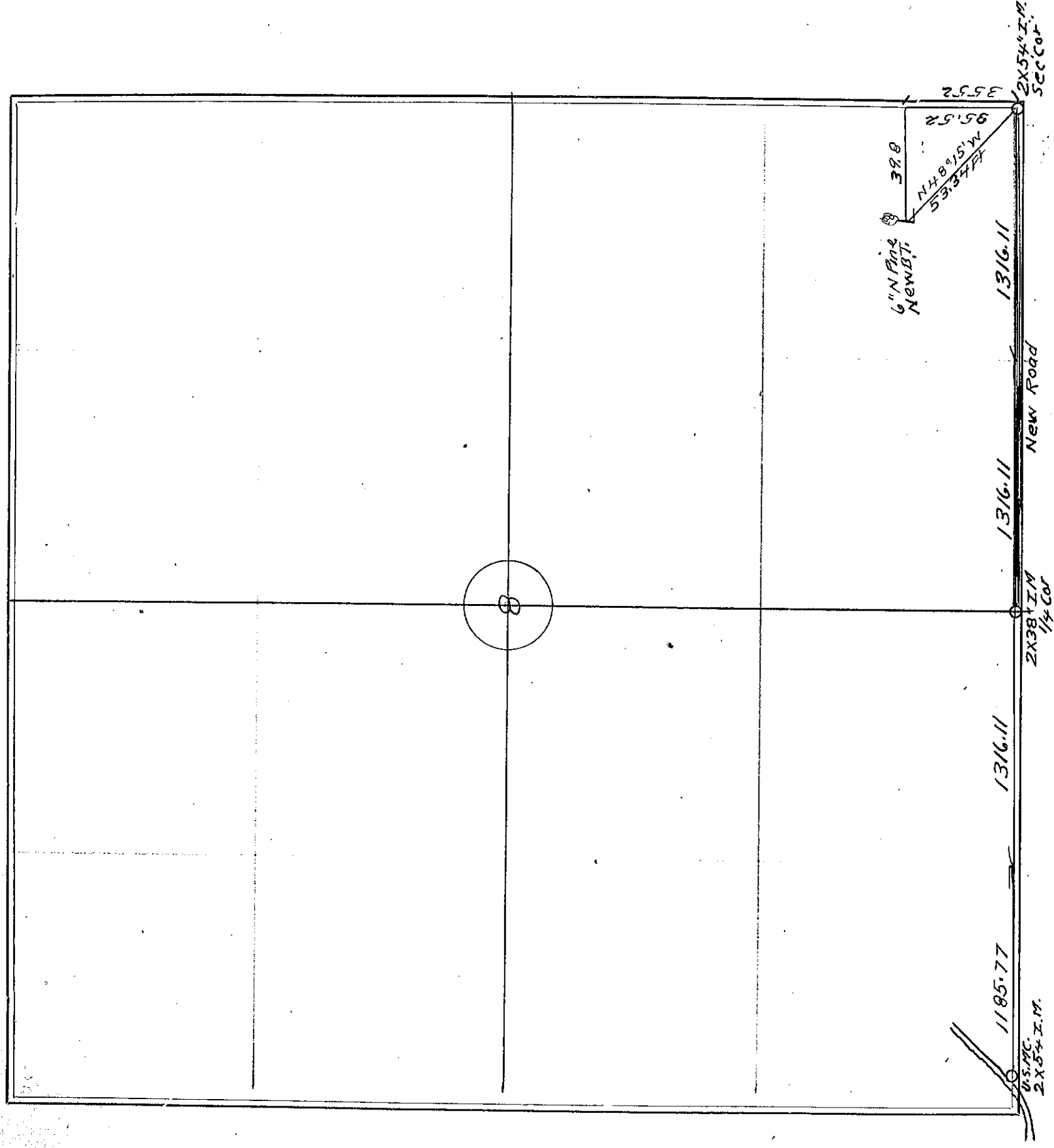
There are some stones around this place which has been recognized as the line section corner for years and it is in the center of the graded road which runs East, West and South: Mr. W.D. Gordon and land owners here are willing to swear that this corner is correct. We drove a 2x36 inch border like Iron Monument for the line section corner, over which I set the transit and take new bearings as follows: The general center of the graded road looking a mile East and a mile West appear to be about on a straight line: Looking there as a base, the general center of the graded road running South is about S 0° 30' E: A newly built fence bears N 1° 47' W: We drive a line in the S.W. Corner post of fence: That bears N 1° 13' W 27.98 ft in Section 31.

We drive a line in N.E. Corner post of fence: That bears S 57° 55' W 40.60 feet distant: We mark new bearings as follows: We run in Section 5. T 43 N. R 29 W.: run S 64° 25' E 91.83 feet to back in flat spot at base of live in Poplar trees: thence North 39.65 feet: thence West 82.83 feet to Section corner: thence in Section 6. T 43. R 29. S 70° 45' W, 70.60 ft to a back in flat spot at base of 4 inch Oak trees: thence North 23.28 feet: thence East 66.65 feet to section corner from which an 8 inch poplar bears N 24° 20' W. 117.30 feet to a back in flat spot at base of live in Section 31. T 43 N. R 29. From the corner we run. in Section 22. T 43 N. R 29. S 61° E 37.63 feet to the stump of the old 12 inch Poplar: the U.S. bearing West: thence



FIELD NOTES.

Shore North 18.24 ft; Chouse West 32.70 ft to place of beginning
 from this corner we run a mile of line to the NW 40.31 ft
 corner and then from the E end of line to the corner
 compass needle of the transit reads 100° or E. We go half
 a mile West to the 1/4 corner between Sections 6 and 31
 where U.S. nails call for post and the following bearing lines:
 Blk Oak 18 inch N 61° E 14 links. White Oak 10 inch S 2° W 22.2 links.
 All are gone and we go half a mile West to the Township Corner
 Sections 1-6-31- and 36 of Twp 43 and 44 N. Range 29 and 30 W
 where U.S. nails call for post and the following bearing lines:
 Blk Oak 12 inch N 14° W 21 links (-13.86 feet)
 " " 14 " N 62° E 41 " (-31.02 ")
 " " 12 " S 15° E 50 " (-33.00 ")
 " " 14 " S 48° W 26 " (-11.16 ")
 We find the stump of the old N.E. bearing line and the rest of the old
 line and S.W. line from which I set the line
 Township Corner and drive a 3 1/2 by 36 inch heavy cutting
 Iron Monument to the line TWP. COR. with new bearings as follows:
 Blk Oak 8 inch N 77° 15' E 78.30 ft; Blk Oak 10 inch S 1° 08' E 96.65 ft
 Red Oak 16 inch, N 50° 10' W 65.40 ft; Corner of new fence bears
 N 62° 30' W 34.20 feet; The fence is only two years old. Our line
 corner is in line with line of very old fence posts leading
 South and in the center of a good graded road running
 East and West; Settlers say the old fence line running
 there was built on the line line immediately after Corvally
 survey, Whiteley set this corner over 18 years ago.
 Our corner turned from the line road earlier looking
 East.



FIELD NOTES.

but the compass needle of the transit only reads $8^{\circ}10'$ E. on this end of the mile, as against $10^{\circ}10'$ on the same road line reading a mile East; This happens often however, on account of local magnetic attraction. From the Twp corner we run;

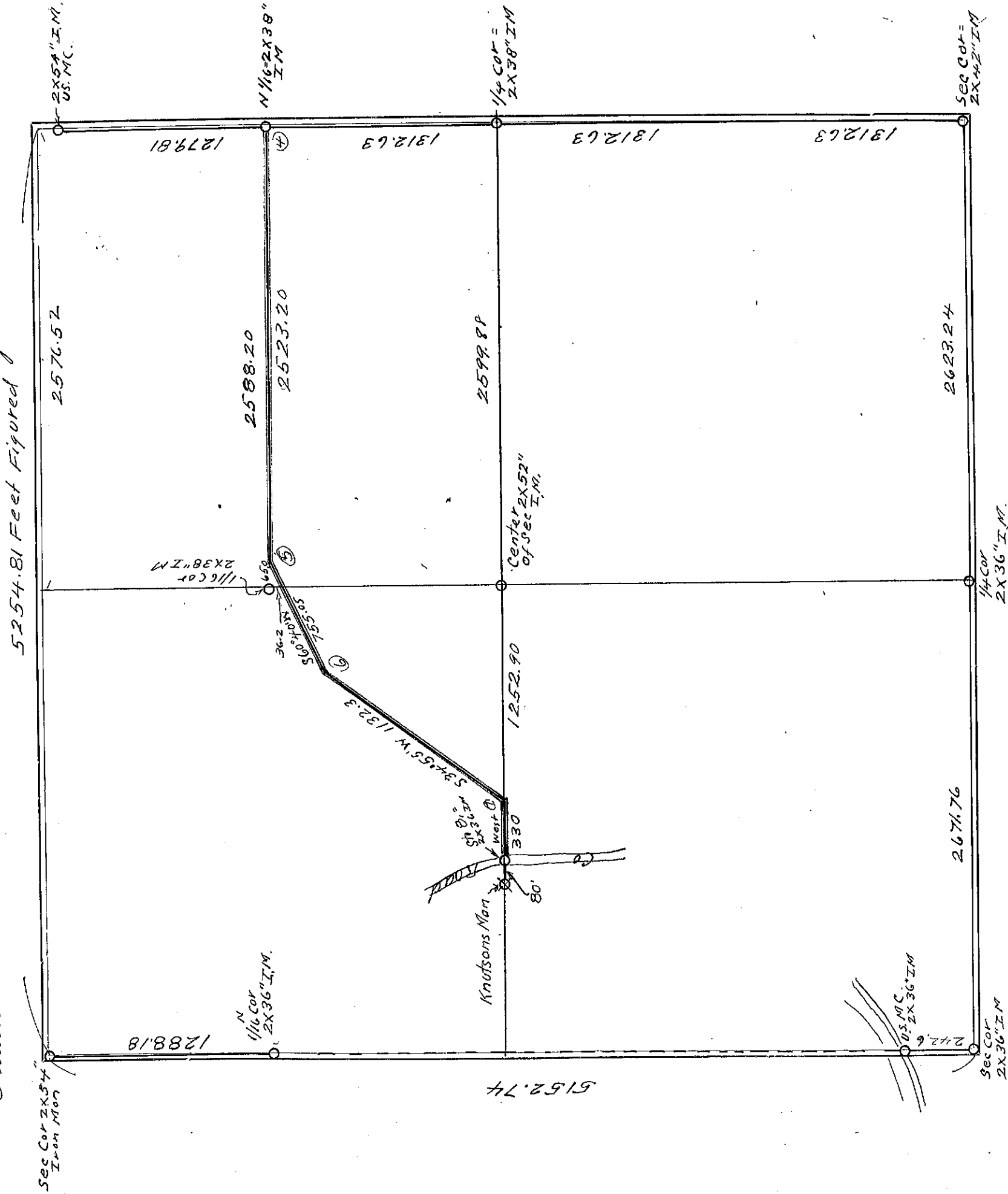
In Section 1. $743' N 30^{\circ} W$; $548^{\circ} W 17.16$ feet to an old root of the original bearing line; thence North $11.48'$ ft; thence East $12.75'$ ft to Twp corner; thence We run $N 50^{\circ} 10' W 65.70$ ft to a 16 inch red oak - new bearing line; thence $S 41^{\circ} 58' E 50.22$ ft to Twp cor from which we chain East between Sections 6 and 31 and find the distance 5272.50 feet which we divide and at $2636.25'$ East we set the point for the line $1/4$ corner on the Town line where we drive a 2×36 inch high iron Monument in the corner which is back of the corner W road for the line $1/4$ corner between Sections 6 and 31. Between Twp 43 and 44, or $29'$ with new bearings on follows; 2 inch iron sign post bears $S 35^{\circ} 41' E 18.75$ feet; 8 inch Br Oak stump - $5'$ ft hi bears $N 29^{\circ} 30' E 61.95$ feet; Old N.W. cor post of fence bears $S 15^{\circ} E 27.30$ feet; Corners taken from the line E. and W. Twp line.

This $1/4$ corner is in line with the West end of line of the graded road running North and is on a straight line with the U.S. Corners half a mile East and half a mile West; The corner needle here shows a variation of 1° while the same corners taken half a mile East read 10° .

At the $1/4$ corner between Sections 30 and 31. $744'$ R 929.05 miles east from post and; diggs 10 inch $N 15^{\circ} W 35$ links; To run 10 inch $S 54^{\circ} W 24$ links. Mr. Wells of Nekeim shows me a stone with a cross (+) mark in top

SURVEY No. 148

Section 18 Town 44 Range 29



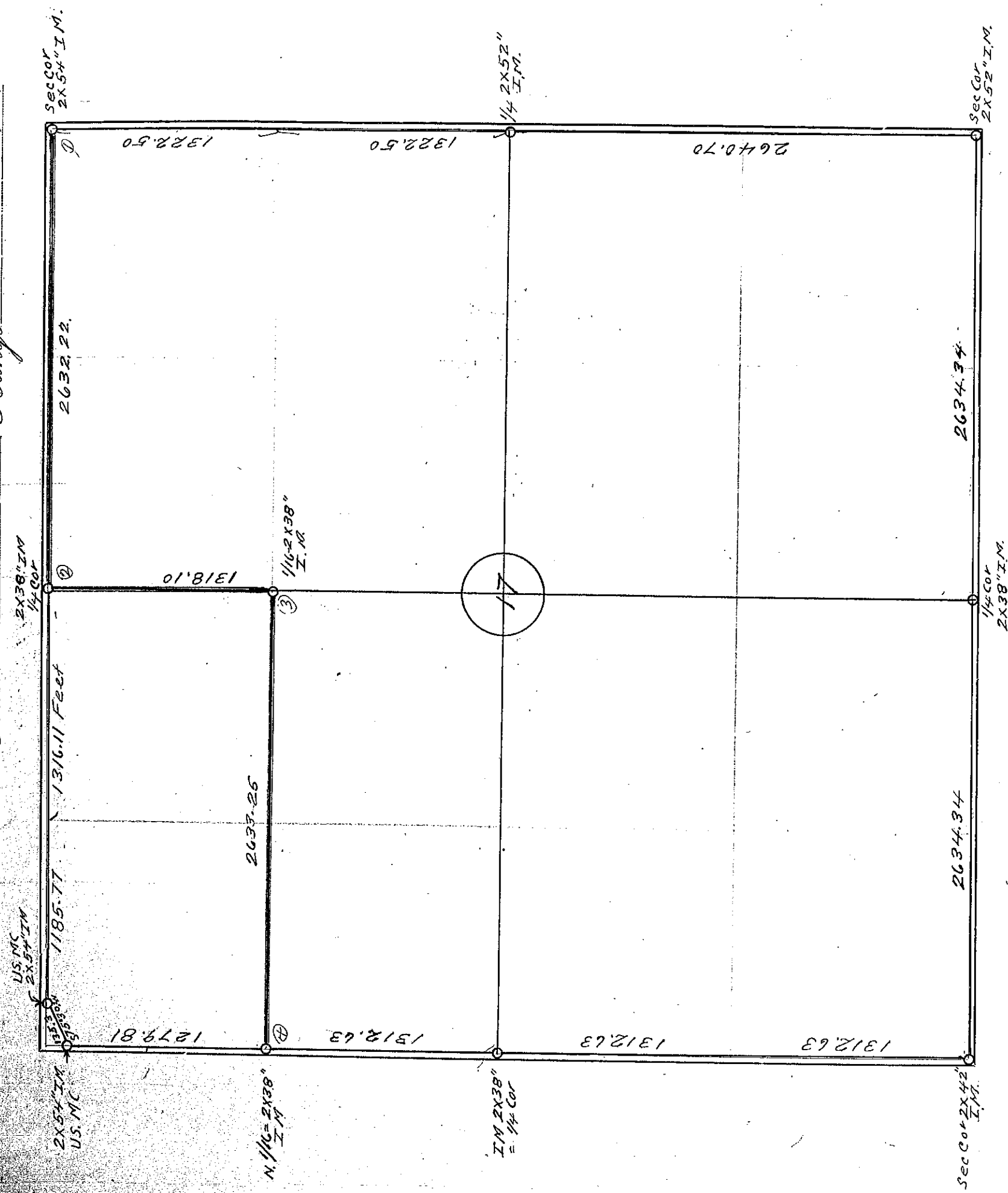
FIELD NOTES.

in the center of the N and S. graded road. also in line with a fence running East and a poorly graded road running West. Mr. McKelvin says he has watched this line for years and that it is the true 1/4 corner set by County Surveyor Whitley - later approved by County Surveyor Garrison and others, and as all the surrounding land owners claim it is the true 1/4 corner. I also accept it and at the request of the land owners and Town Board put in this place a pipe Iron Monument 2x36 inches in size, with the following view bearing true:

From 2x36 inch, S 64° 30' W 90.80 Ft; To 10 inch S 28° 30' W 14.00 Feet
 " 26 " S 70° 43' E 117.08 " ; " 20 " N 66° 15' E 89.30 "
 all at 70.5' Variation, using the graded road looking North as a meridian; Measurements taken to flat spot at base of each tree; 2x36" corner of fence bears East 35.00 ft to nearest side of post the stones are dug up here is nearly S. 1/4 corner small at the top and small at the top and large at the base; it was well set.

at the corner to Section 25-30-31-36 between Twp 44 & N Range 29 and 30 W. U.S. miles corner point and:
 13 or 20 ft 1 inch V 70° W, 7. inches (= 4.62 ft)
 " 12 " S 70° W 34 " (= 22.44 ft)
 " 10 " S 45° E 43 " (= 28.38 ft)
 " 12 " N 50° E 58 " (= 33.28 ft)

We find the stump, and of E. and West. bearing from which check bearings perfect for course and distances by using the same center looking East as a base; I set the corner by flat chain from base of the two old stumps after which they stand on full line; V 50° E and S 47° E at 80.30' var
 This corner falls 6 feet north of the center of a slightly



FIELD NOTES.

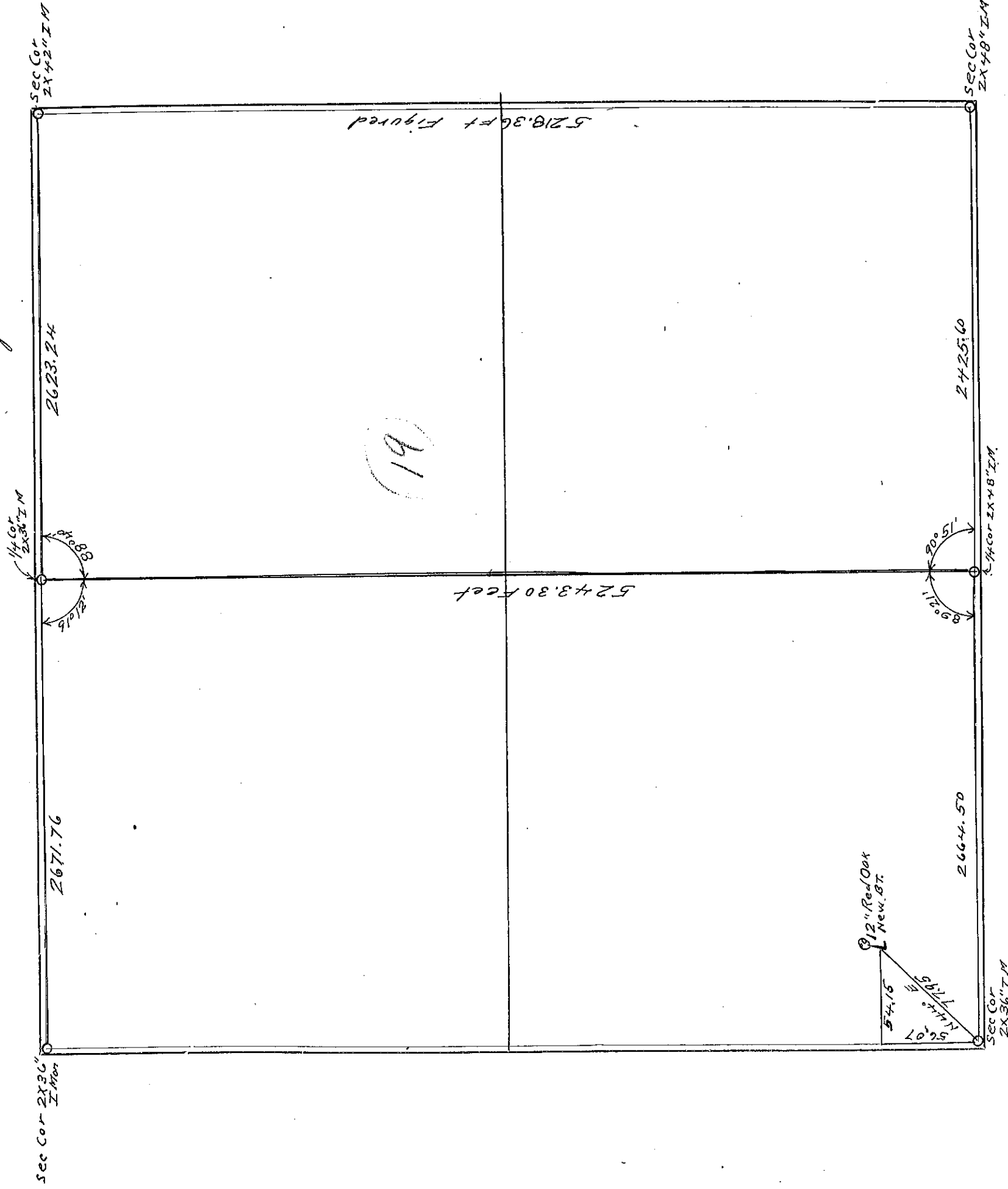
crossed Road W. road. I set a 2x36 inch pipe for the line corner with new bearings as follows:
 Poplar 7 inch N 31° 33' E 16.50 feet
 " " S 13° 23' W 47.10 "
 to head of nail in each flat spot at base of trees. all at 8° 30' W E.
 Corner post, old land bears North 20. ft to nearest side at the corner to line 28-33-744 N 29 U.S. mark nail in a post and the following bearing trees: Aspen 6 inch S 38° W 41 links (= 27.06 ft.). Tamarack 6 inch N 19° W 150 links (= 86.80 ft.). Tamarack 6 inch N 6° E 151 links (= 99.66 ft.). Spruce 6 inch S 74° E 133 links (= 87.78 ft.).
 We find the west 1/4 sec, least but very plainly marked as follows: "744 N R 29 W S 28 BT" We also find the stump of the NW tree marked "B.T." with the body of the tree lying near. The bearings check out perfect for course and distance to an old stake set by Corbett, Surveyor, Garrison which is the line corner, set in a big open bog. We pulled up the stake and put in its place a 2 1/2 by 60 inch pipe Iron Monument driven over a tamarack piling which is about 3 feet above the iron and hills solid bottom. The iron is about 2 feet above the swamp level. We cut a circle 6 ft in diam etc, around this iron corner and a trench 16 inches wide outside the circle and show the rock cutting to the center so as to form a monument 6 ft across. At this corner I have marked new bearing trees @ 2000, which before the iron was set so as to show many more directions - but with the big 4 inch compass as old man's set nearly 1000 feet west. Nails; These are the only new bearing trees we have taken

SURVEY No. 148

Section 19

Town 44

Range 29



FIELD NOTES.

with the compass in this trip - having used a transit in taking all other. - they stand as follows
Black & after 12 inch, S 23° 30' E 348.50 feet
thence 6 inch, N 57° W 236.70 feet.
Black 16 inch, N 76° 30' E 373.50 feet.
From this corner we run: In Sec 33 T 44 R 29: S 28° 30' E 348.50
to the 12 inch Black Poplar: thence West 138.96 ft: thence North 319.60 ft
to section corner: thence

In Section 28 T 44 R 29: N 76° 30' E 373.50 to the 16 inch Black
Oak: thence South 87.19 ft: thence West 363.18 ft to Sec Cor. thence
In Section 29 T 44 R 29: N 57° W 236.70 ft to the 6 inch Spruce:
thence East 183.95 ft: thence South 148.96 ft: to the section
corner. Louis Neshiem and Nels J. Neshiem assist me in
setting this corner
At the 1/4 corner between sections 29 and 32 T 44 R 29, U.S. Val's
call for post and: Tamarack 6 inch, S 68° W 68 links (= 44.88 ft)
Tamarack 6 inch, N 30° E 137 links (= 123.42 ft) All are gone
At the corner to sections 29-30-31-32 T 44 R 29, U.S. Val's call for
post and the following bearing lines: Tamarack 8 inch, S 1° 0' W 137.5 links
(= 907.50 ft) Tamarack 6 inch, S 2° 0' E 136.7 links (= 902.22 ft)

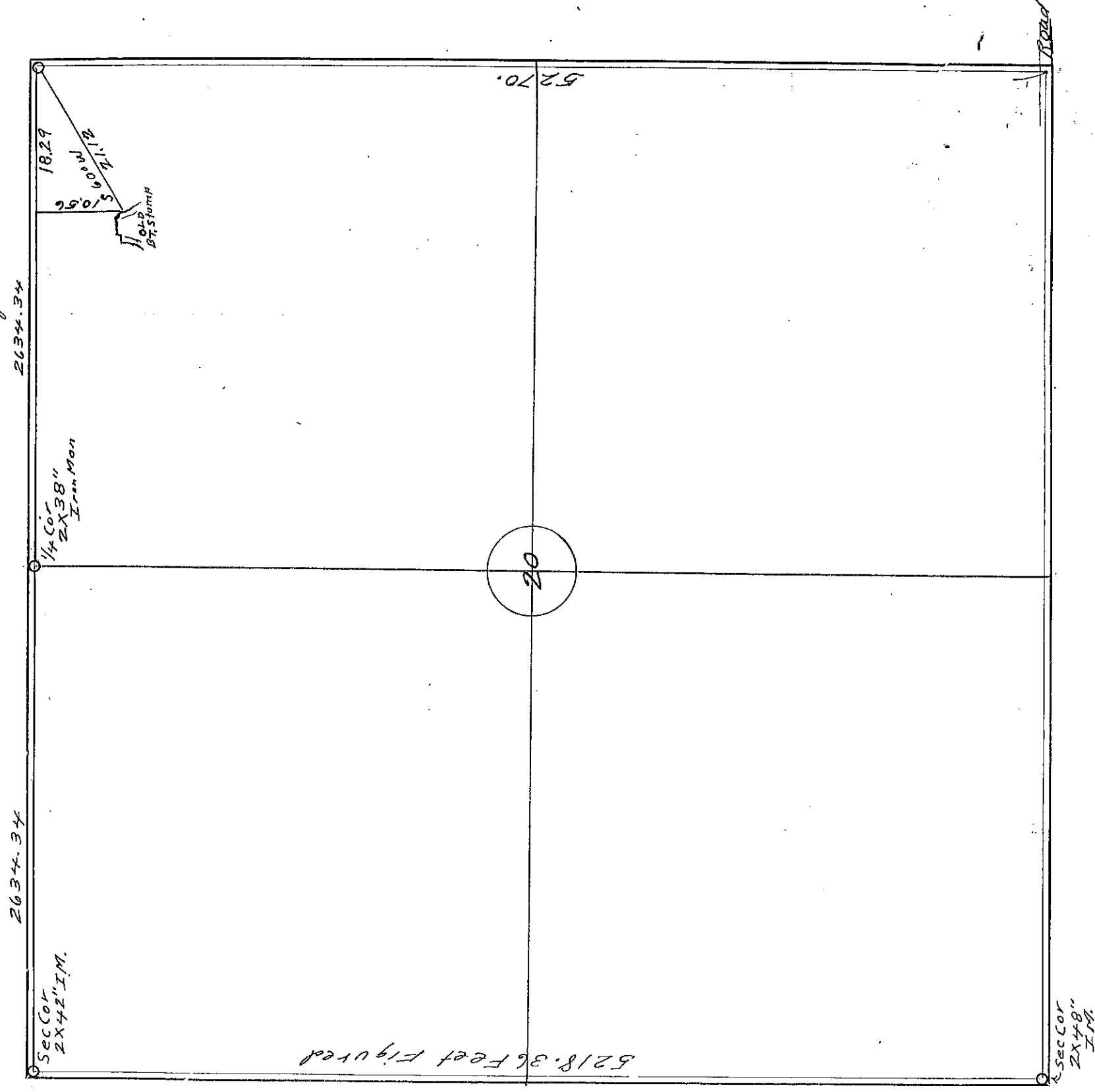
After running lines North-South East and West to get the
position of this corner, I find the stumps of both old bearing lines: only 4
feet of the figures on the S.E. stump show plainly. The point for this
corner falls 2667.40 feet East of the 1/4 corner and leaves the
between sections 30 and 31 exactly, leaving it showing
that who ever first located the 1/4 corner must have used this
sec corner in doing so: It is 5214.90 feet West of the corner
to sections 28-29-32 and 33, and 5286.10 feet North of the Town & in

Section 20

Town 44

Range 29

4.4 PM.



FIELD NOTES.

We set a 2x50 inch pipe Iron Monument, driven over a piling which reaches to the bottom of the big open bog which extends more than a mile East; the piling is a barbed pole. We cut a 6 foot circle around this iron monument and throw the mud and moss to the center so as to form a mound the same as at the corner to Secs ~~28-29-30-31-32~~ 29-30-31-32.

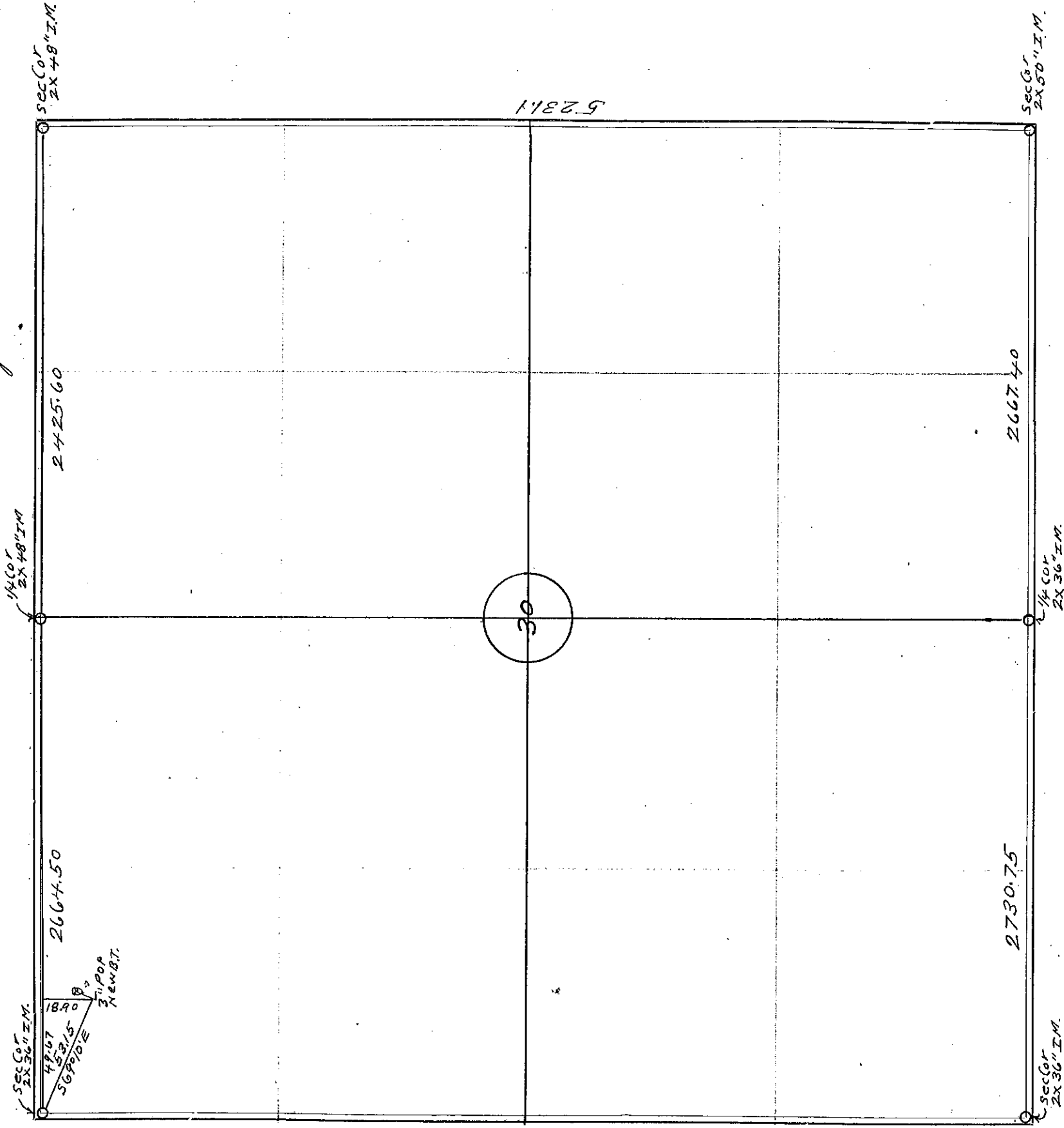
At the $\frac{1}{4}$ corner between Sections 31 and 32, 74x R 29, U.S. Valis cell for post and: White Oak 10 inch, S 76° E 15 links (= 9.90 feet) White Oak 12 inch, S 88° W 12 links (= 7.92 feet) At a point 2643.05 feet north of the town line and 2643.05 feet South of the Section Corner, set point for the line $\frac{1}{4}$ corner. So that the line between Sections 31 and 32 will be straight the center mile and set a 2x36 inch pipe Iron Monument in a 3 foot circle and small mound of dirt: This $\frac{1}{4}$ corner is the East end of a newly laid out 2. rod road which I am surveying.

The man who owns the land N.E. of this $\frac{1}{4}$ corner has built a new fence and has got his NW corner several rods too far N.W. He will have to change this when the road is built: This 2. Road runs half a mile N.E. thence the road is built: This 2. Road runs center of Section 31, 74x R 29.

To put on the center of Section 31 74x R 29, we run a straight line from the $\frac{1}{4}$ at the North side to the $\frac{1}{4}$ at the South side and find the distance 5286.10 feet and at the $\frac{1}{4}$ corner on the West side of 31 is gone I set the point for the line center, half way between the $\frac{1}{4}$ corner North and the South $\frac{1}{4}$ corner and half way between, and on a straight line between the two.

We drive a 2x36 inch pipe Iron Monument for the line center of Sec 31, which falls W. of the West wheel track of the N.S. graded road. The distance from the center of Sec 31, East to the $\frac{1}{4}$ corner bet Secs 31 and 32 74x R 29, is 2651.82 feet which is the

Section 30 Town 44 Range 29 44 P.M.



FIELD NOTES.

new road 2 rods wide: We set hubs and laid stakes along this line, marked "Road Center".
 At the 1/4 Corner between Secs 31 and 36, between Twp 44 R 29 and T 44 R 30, U.S. notes call for a post and a poplar 14 inch, S 70° E 19. L 15; a poplar 14 inch, N 35° W 35 L 15; all are gone.
 We chain from the S.W. Corner of Sec 30, 700 mls East to the S.W. Corner of Section 28 T 44 R 29 and find the distance 10.613.05 feet; and the entire two miles is nearly straight; The distance from the S.W. Corner of Sec 30 - East to the 1/4 Corner between Secs 30 and 31, T 44 R 29 is 2730.75 feet.

All of these lines have been very carefully run with a first class Engineers transit in perfect adjustment - except that the East 1800 feet between Sections 29 and 32, was picked East across the big open bog as a straight line was not necessary at this point. Our random picked line, nearly split the post at the S.W. Corner of Sec 28. The N.E. Corner of Sec 30 may say a few feet South out of a straight line, however not over 5 feet.

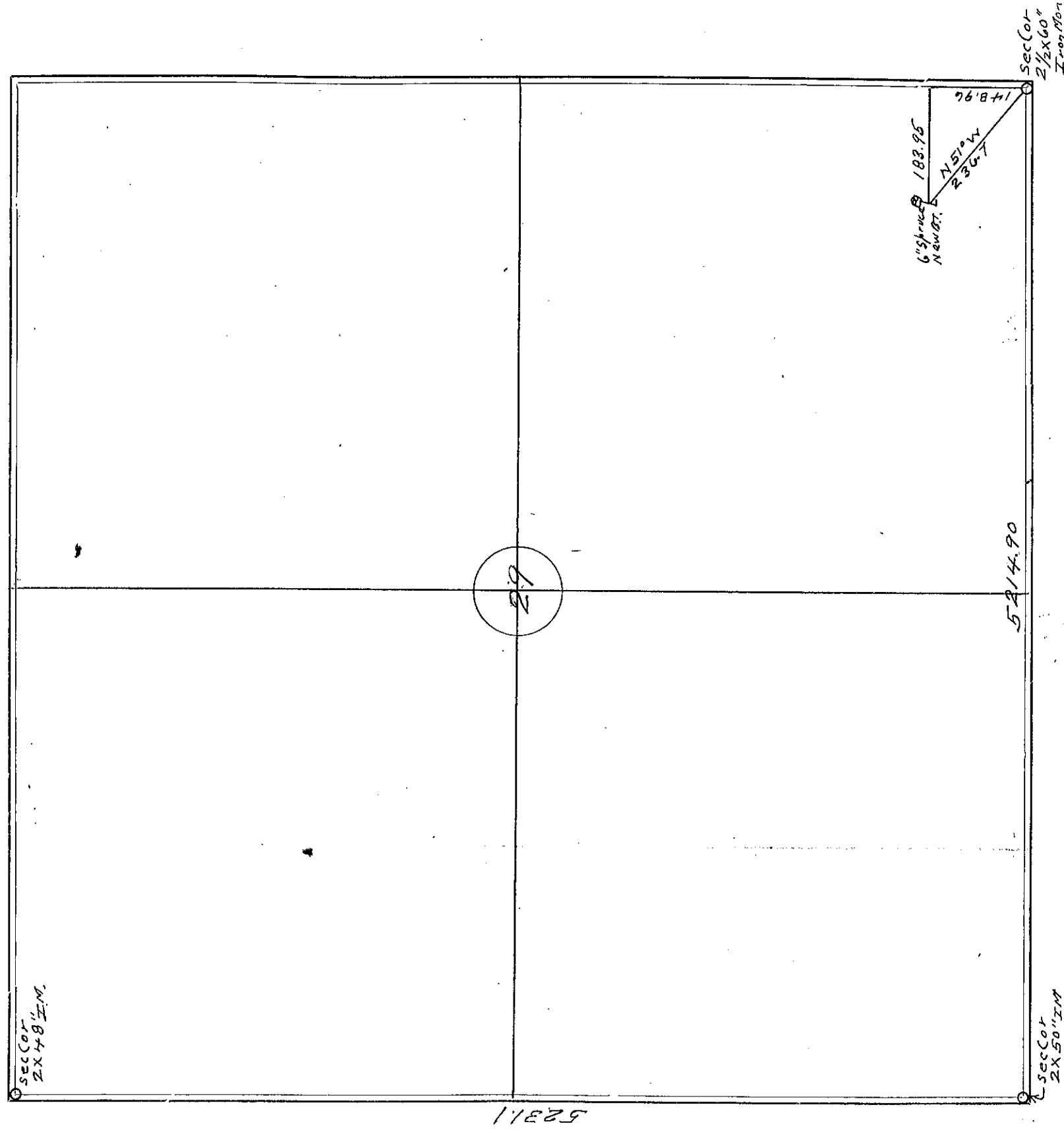
At the Corner to Sections 19-24-25-30 between T 44 R 29 and T 44 R 30, U.S. notes call for a stake and the following bearing lines:
 Bar Oak 6 inch, N 67° W 85 links (= 50.10 ft)

| | | | | | | |
|---|---|---|---|-------------|---|--------------|
| " | " | 8 | " | S 15° W 101 | " | (= 66.66 ft) |
| " | " | 7 | " | S 25° E 56 | " | (= 36.96 ft) |
| " | " | 8 | " | N 85° E 21 | " | (= 13.86 ft) |

We find the stumps of all of the old oak bearing lines, which check perfect for course and distance and we place a pipe - iron monument 2x36 inches in size, with new bearings as follows: Red Oak 12 inch, N 44° 00' E 77.95 Feet; Bar Oak 3 inch, S 25° 10' W 39.80 feet. Poplar 3 inch, S 69° 10' E 35.15 feet to flat spot at base of each line.

SURVEY No. 148

Section 29 Town 44 Range 29 4th PM



FIELD NOTES.

A 3 1/2 inch iron pipe, with a 4 inch bronze cap and plucking two feet above ground bears N 72° 46' W 60.43 feet: the bronze cap is marked "U. S. Geological Survey - Elevation about sea 1295 feet." From the line section corner we run as follows:

In Section 19: T 44 R 29: we run N 44° 00' E 77.95 ft to the 12 inch red oak: thence West 54.15 feet: thence South 56.07 ft: to section corner: thence

In Section 24: T 44 R 30 we run N 72° 46' W 60.43 ft to the iron U. S. bench mark: thence South 17.90 feet: thence East 57.72 ft to section corner: thence

In Section 25: T 44 R 30. We run: S 25° 10' W 34.80 feet to the 3 inch Bur Oak: thence East 16.92 ft: thence North 36.02 ft to section corner: thence

In Section 30 T 44 R 30 29 we run S 69° 10' E 53.15 ft to the 3 inch poplar: thence North 18.90 ft: thence West 49.67 ft to section corner the place of beginning. Compass needle of transit heads 9° 30' E. Taking the general center of the road looking a mile West mostly across Long Lake the course bears N 89° 40' W and looking East can only see about 500 feet of graded road general course seems to be about S 88° 50' E

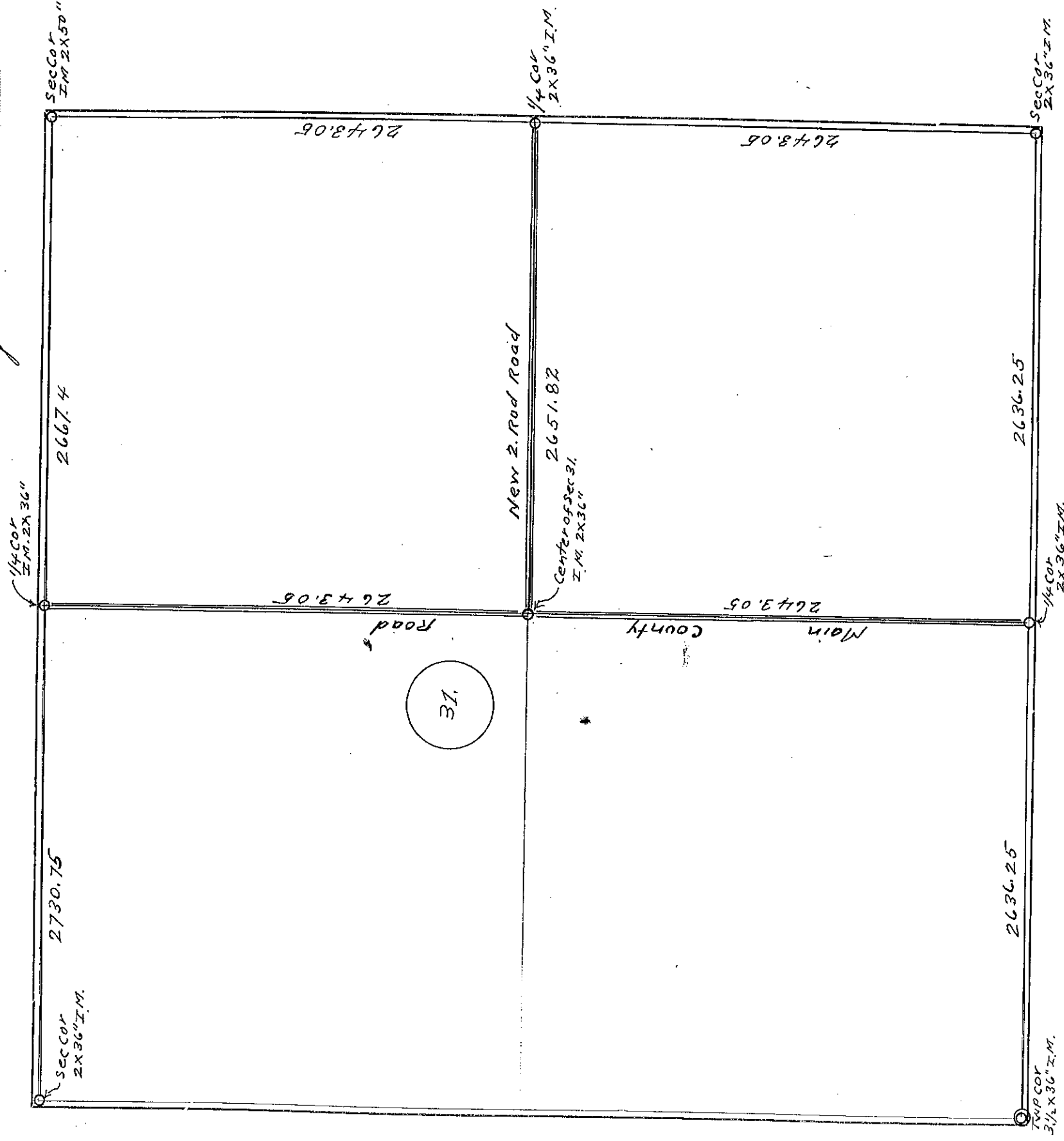
From this corner we run a perfect transit line East Bet. Secs 19 and 30 following graded road: It 2664: 50 ft E, intersect cross (+) in stone set by former County Surveyor in the center of the graded cross road North-South - East and West. This 1/4 corner was first established by County Surveyor Whitley at a point about 125 ft further West from which a graded road was built North and South and several hundred dollars spent in making a fill across a big meadow just North: the old fill is still in evidence. Later, however, County

Section 31

Town 44

Range 29

4:14 P.M.



FIELD NOTES.

Surveyor Bartlett or Harrison in a re-survey had it moved East to its present position from which new roads have been graded N and S and a new split made across the meadows.

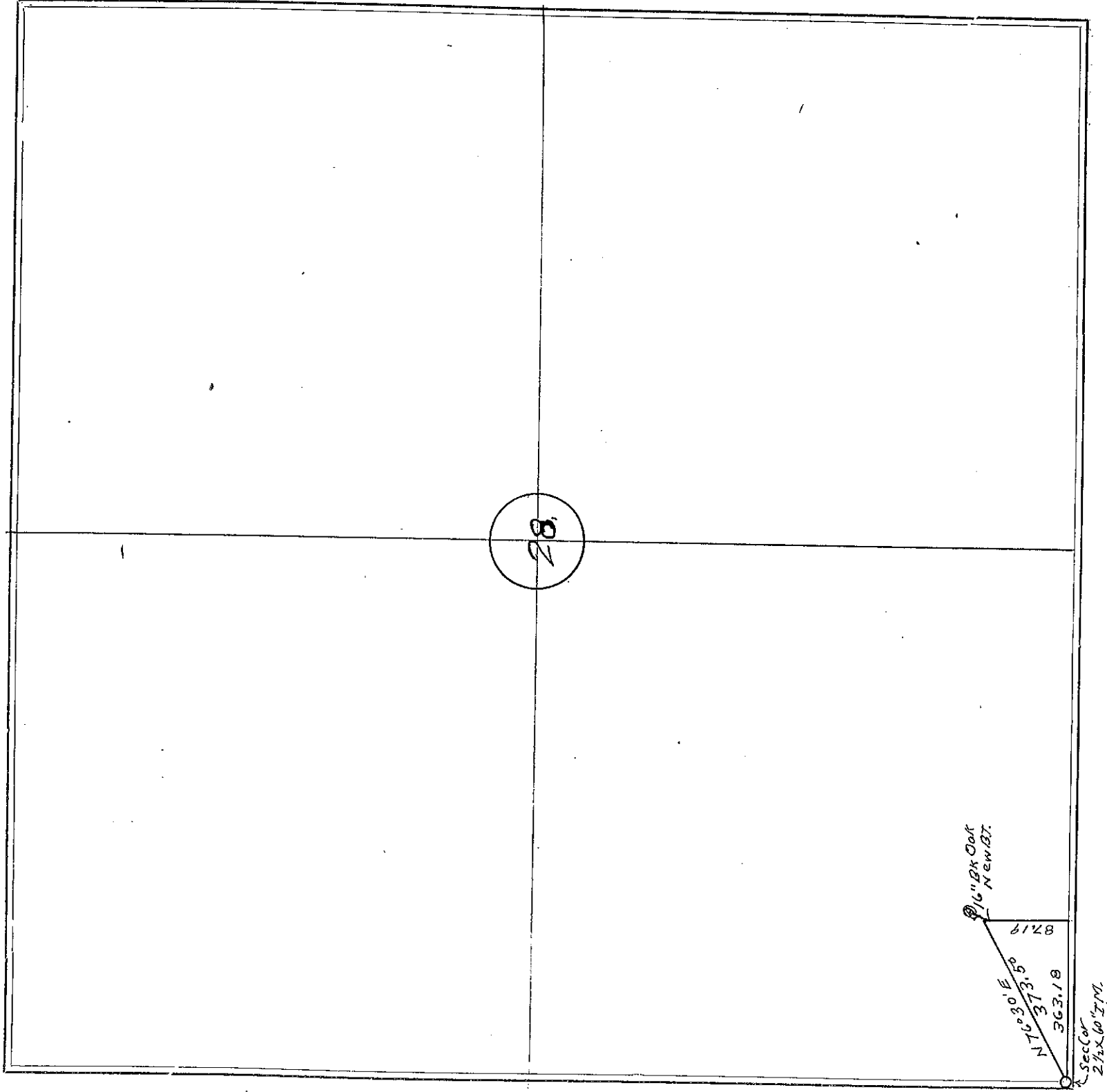
As all of the land owners are well satisfied with this 1/4 corner where it is now, and request me to put in something more substantial to hold the point - and as the stone is only a field rock and apt to get moved, I put in an iron monument being a 2x48 inch iron pipe driven its full length in the ground - in the center of the corner.

Nels; In setting this iron 1/4 corner I am requested to do so by the land owners - particularly Mr Nels P. Nelson who owns the NW 1/4 of Sec 30 on the East and Mr Henry Halverson who owns the NW 1/4 of Sec 30 on the West - and by Mr Nels J. Nerheim - Chairman of the Town Board of this Township - Maple Grove Township who represents the Township in the interest of Township roads and so on, and for all of these men insist that this is the true 1/4 corner and are more than willing to accept it or the same and with them all on the ground as witnesses "the most evident witnesses" I carefully remove the stone and put in its place the iron monument above described. Before removing the stone I carefully reference in the line point for the 1/4 corner with solid driven spikes and the flag pole.

With the same witness, and at their request, I go half a mile East like up the stone section corner and put in its place a 2x48 inch iron monument, being an iron pipe driven its full length in the ground for the true corner to sections 19-20-29-30 Twp 44. R 29. which is the line the East and West graded road from which a newly graded road or rather a poorly coded road runs South half a mile or more. At this corner 16 sections 19-20-29 and 30 T 44 R 29 U.S. Nels call for a post and 17 feet 10 inch. S 87° W 119 links: as per 10 inch

SURVEY No. 148

Section 28 Town 44 Range 29 4 1/2 PM



FIELD NOTES.

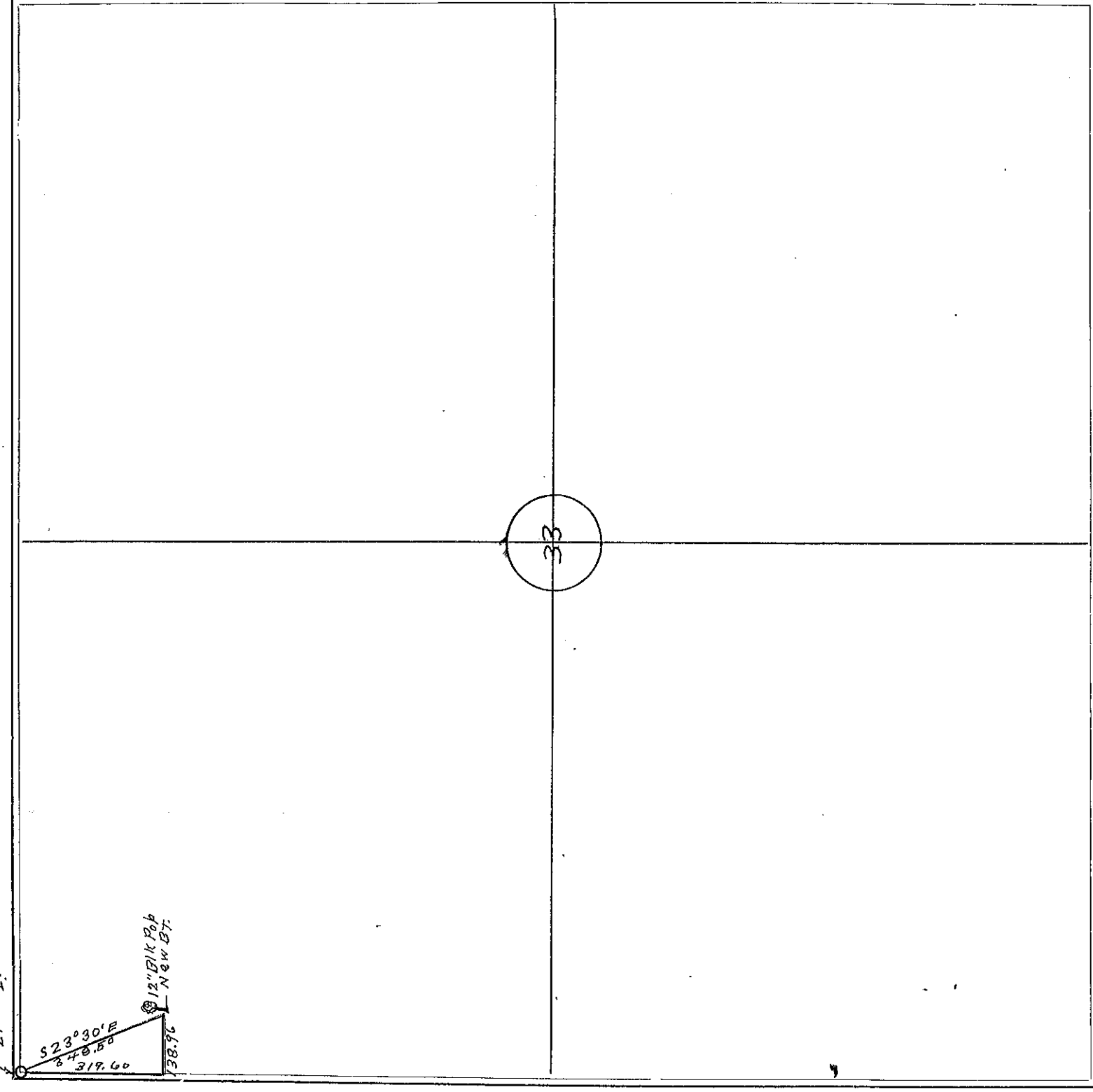
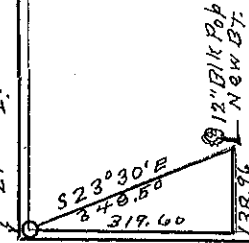
there have been graded out in the construction of a road running East, South and N. W. the East road being only 1/2 mil. in length.
We find a small stone with cross (+) in top buried in the ground where it was established by some former County Surveyor and the land owner claim it to be the true 1/4 corner recognized for years by the land owner and Surveyors and accepted by them as the true 1/4 corner between Sections 18 and 19 T 44 R 29 and as the stone is apt to get lost or plowed out, and at the request of the town board and land owners, we laid up the stone put in its place an iron monument being an iron pipe 2 x 36 inches in size driven its full length in the ground for the true 1/4 corner.

At the corner to Sections 17-18-19-20 T 44 R 29, U.S. Valer call for a post and the following bearing lines: Black Oak 10 inch N 52° W 6 links (= 3.96 ft) Birch 8 inch, N 64° E 39 links (= 25.74 feet) Aspen 10 inch, S 62° E 49 links (= 32.34 feet)

" 10 " S 15° W 73 " (= 48.18 ") This corner has been previously established by the County Surveyor and the point of his old stake is still here - under ground. I find what I am sure is the stump of the old A.W. bearing tree, but we can find no plain marks or name.

As the old stake is the true section corner, we took it up and put in its place an iron monument being a 2 x 42 inch pipe set its full length in the ground for the true corner to Sections 17-18-19-20 T 44 R 29.

At the corner to Sections 13-18-19-24 on the Range line between Twp 44 R 29 and Twp 44 R 30, U.S. Valer call for post and Birch 7 inch, N 52° W 14 links (= 9.24 feet) White Pine 18 inch, S 38° W 75 links (= 49.50 feet)
" " 20 " S 15° E 42 " (= 27.72 ")
" " 24 " N 74° E 44 " (= 29.04 ")

Sec Cor
2 1/2 x 6 1/2 in.

I find the stumps of all four old white pine trees standing plainly marked and the roots of the Birch; all check out perfect for course and distance except that the U.S. Surveyors made a mistake of 10 links in distance to the W. line as it is only "65 links" instead of "75 links". I established the point for the line corner by flat chain from face of the three stumps after which all pland perfect for course and perfect for measure except that the S.W. stump is 6.60 feet (10 links) too far away.

We set a 2836 inch iron monument - being an iron pipe - directly to full length in the ground in a mound of dirt so the has high in a direction measured 10 feet across from which we made new bearing lines as follow

Be Oak 12 inch N41°00' E 68.63 ft

Poplar 8 inch S25°43' W 47.10 ft

Poplar 6 inch N44°11' W 55.35 ft

" 8 " S53°20' E 56.77 ft

We fixed the distance from the corner of Sections 17-18-19-20. West to the 1/4 corner between 18 and 19 to be 2623.24 feet and from the 1/4 corner West to the corner of the Range line to Section 13-18-19-24 to be 26463 ft by way of the line line

From the S.E. Cor of Sec 18 I run a perfect line to West thro the center of the 1/4 corner between Secs 18 and 19 and at 5275.00 ft West intersect the line Range line at a point 6.45 ft North of the S.W. corner of Sec 18 over which I set the Transit and take the N.E. angle of my random line with the line range line: Looking a mile North at a flag at the line N.W. corner of Section 18 and the angle reads N.E. angle 91°10'. I like this angle twice very carefully as as to be sure I am correct. Then telescope East looking thro the 1/4 corner and the Section corner a mile East - then line telescope carefully to the left onto the line Range line and the angle reads N.W. 91°10'. Transit telescope and looking South the corner cut the

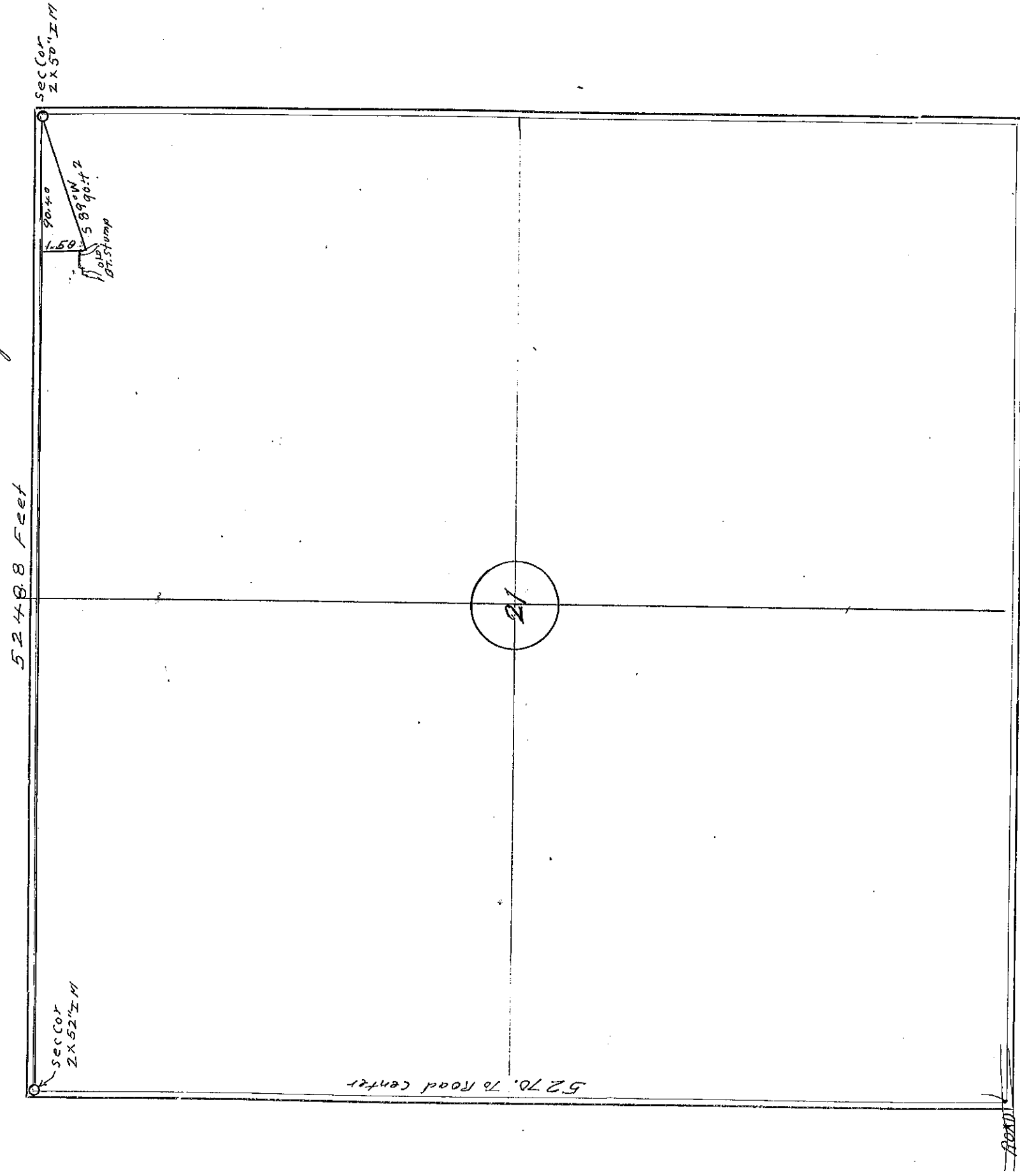
FIELD NOTES.

SURVEY No. 148

Section 21

Town 44

Range 29



FIELD NOTES.

Section 21, Range 29 corner 1/4 inch West of the center: This corner is 6.45 ft South showing that there is a cross of 3.20 feet at the 1/4 Corner between Sections 18 and 19. 744 R 29. It is 3.20 ft North out of line with the section corner.

The NE corner of the line lines at the S.W. Cor of Sec 18, figures 71002' taken 1 mile North and as far East as the 1/4 Corner, half a mile.

To get the length of the line between Sections 19 and 20 744 R 29 without cutting brush, I got the length by running up the graded road then the center of Sec 19 and taking the angles of the lines to the S.E. and N.E. corners.

At the 1/4 Cor but 19 and 30 the N.E. angle of the line line is 90° 31' plus 0° 12' = 90° 51' and the N.W. angle of the line lines at the same 1/4 Corner is 89° 21'.

At the 1/4 Cor 'But' Secs 18 and 19 the S.E. angle of the line lines is 88° 40' and the S.W. angle at the same point is 90° 12'. Distance figures 5218.36 feet for the length of the line but Secs 19-20 744 R 29.

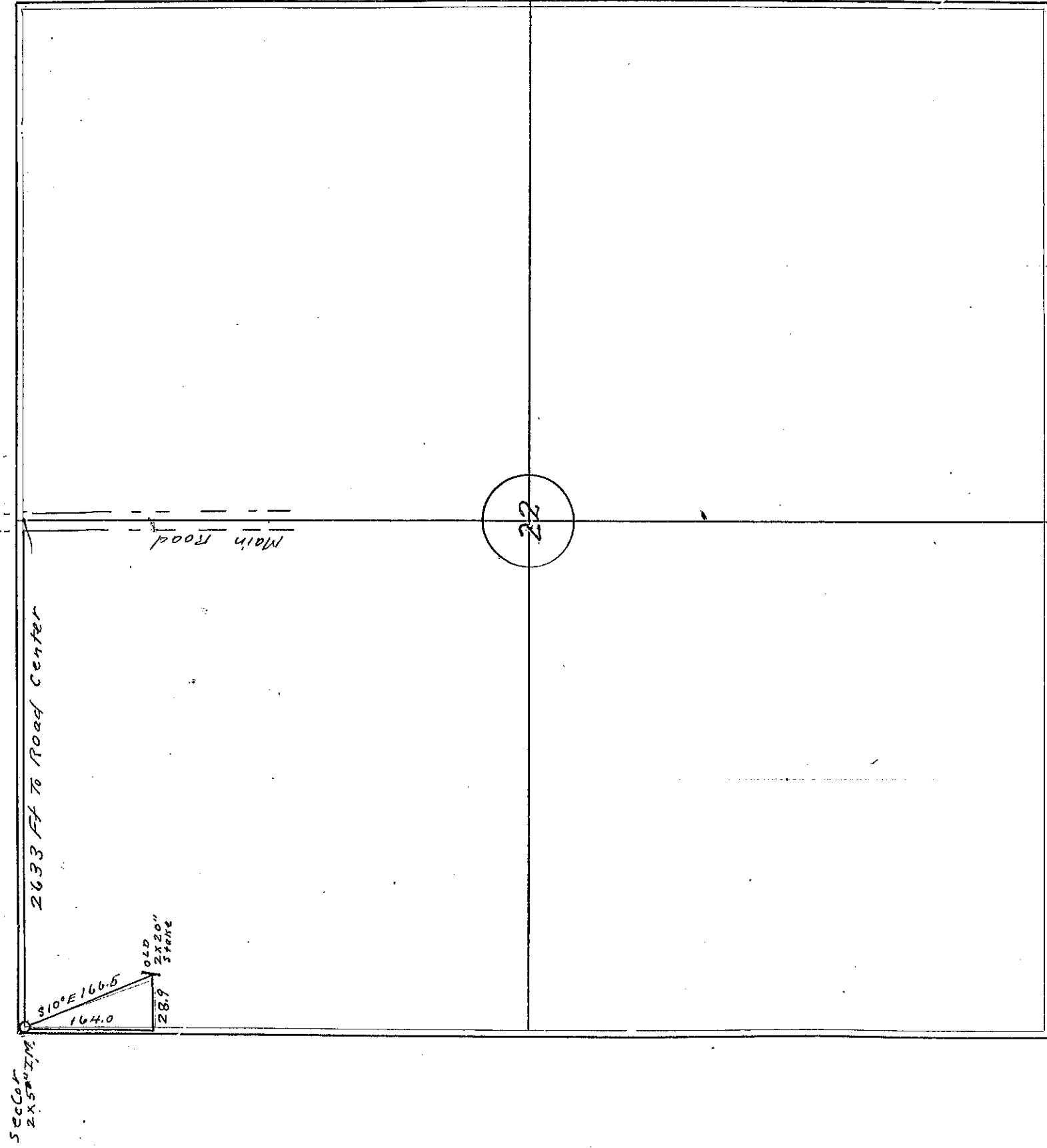
At the corner to Secs 16-17-20-21 744 R 29. U.S. Vales call for post and line with 8 inch N 52° 00' W 40.2 lbs (= 26.40 ft) and Sec 19-20 744 R 29. U.S. Vales call for post and line with 8 inch S 60° 00' W 32.2 lbs = 21.12 ft.

We find a iron 1x6 inches in size previously set by the County Surveyor for the line corner over which I slip an iron monument 2x52 inches in size and dimensions full length in the ground in a circular mound of dirt 30 inches high: the iron monument is an iron pipe and is the line corner to Sections 16-17-20-21-744 R 29 from which the stump of the old S.W. bearing line checks for course and distance.

From this corner an old fence bears North and another old fence bears East. We run

A 60° W 21.12 ft to stump of old U.S. bearing line there is North 10.56 ft; then a East 18.97 ft to Sec Corner.

At the 1/4 Corner between Sections 17 and 20 744 R 29 U.S. Vales call for post and Black Oak 10 inch S 37° 00' W 20 links (= 13.20 feet).



FIELD NOTES.

Line 10 much. N 79° W 88 links (= 58.08 ft) On order to find this 1/4 cor we run from corner to sections 17-18-19-20 = set on random line between Secs 17 and 20; At 400 ft East enter Tamarack Swamp; at 1750 L. same; at 1925.50 Hub; at 2640 set temporary 1/4 corner; at 2700 Hub; at 4715.80 set Hub; at 5168.00 set hub; at 5280 ft East set hub from which the line corner to sections 16-17-20-21 bears N 4° 55' W 161.10 ft or 13.81 West and 160.51 North; at 5266.20 East this corner sets North 160.51 feet making the length by way of the line line 5268.68 feet At 2633.10 = at we run North 90° to random, 80.25 feet where we set a 2x38 inch iron monument its full length in the ground for the line 1/4 corner between Secs 17 and 20 744 x R 29

At the corner to sections 15-16-21-22 T 44 x R 29 U.S. Nails call for a post and the following bearing lines; Tamarack 6 inch. S 89° W 137.45 (= 90.42') T 44 10 inch. N 43° W 170 lbs (= 112.20 ft) We find an iron monument 1x18 inches in size previously set by County Surveyors while by for the line corner and at this is in a big soft open bog line lake up the small iron and put in its place an iron monument being a 2x50 inch pipe with a wood point 2 feet long and driven half its length in the big meadow till the point hits solid bottom. Put out a circle in the bog making a mound 18 inches high and 6 feet across; I drop the small iron monument inside the big pipe and this is the line for to sections 15-16-21-22 T 44 x R 29 from which I run

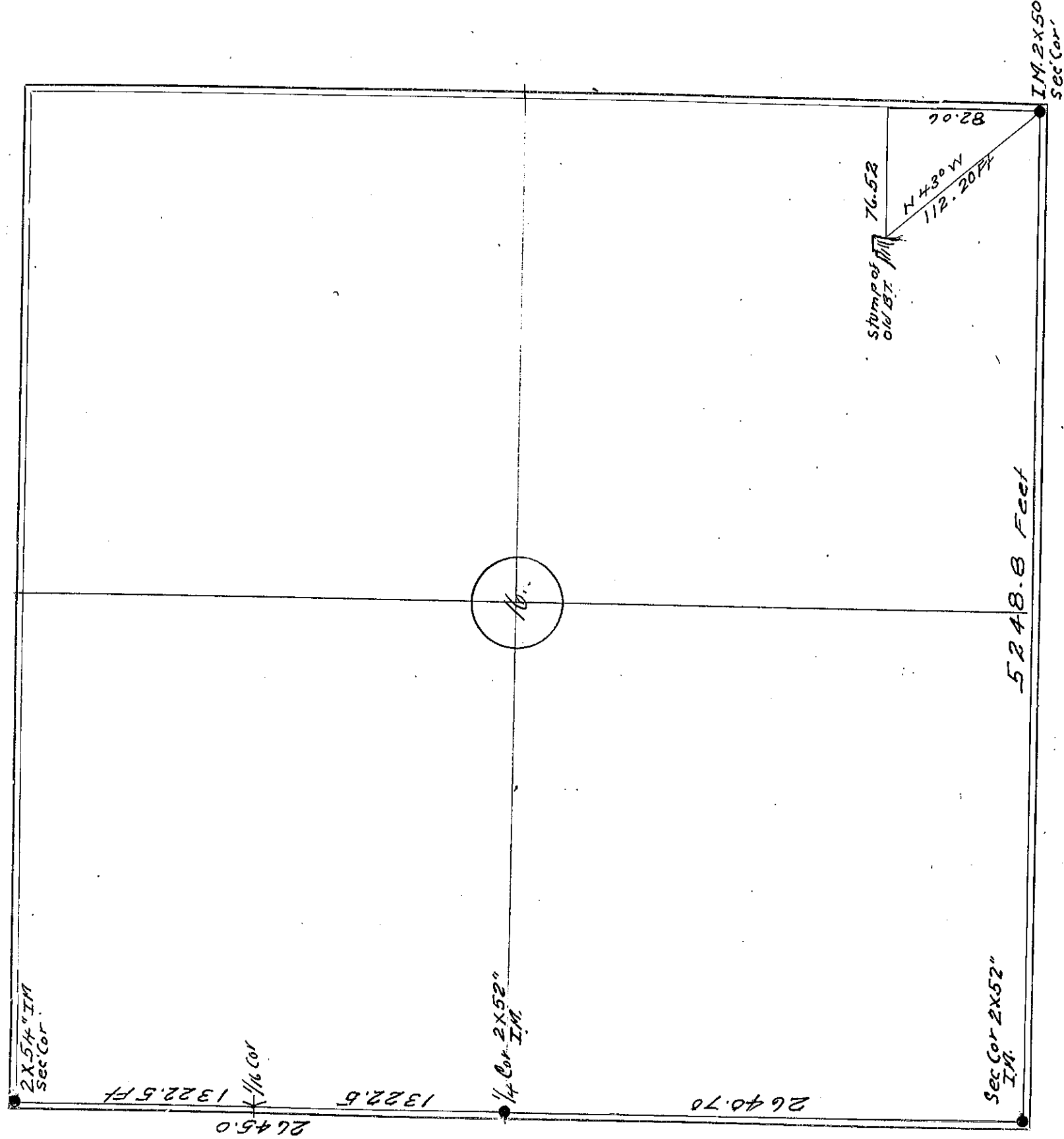
In Sec 15 T 44 x R 29; N 45° E 46.67 ft where I set a 2x30 iron stake for a bearing; thence West 33.00 ft; thence South 33.00 ft to Sec Corner thence

On Section 16 T 44 x R 29 N 43° W 112.20 feet to an old 10 inch Tamarack stump; which must be the stump of the old S.S. B.T. but it is not marked; thence East 76.52 ft; thence S 82° 06' ft to Sec Corner, thence

In Sec 21 T 44 x R 29; S 89° W 90.42 feet to an old Tamarack stump

SURVEY No. 148

Section 16 Town 44 Range 29 4th PM.



FIELD NOTES.

which may be the old U.S. bearing: thence North 1.58 ft: thence East 90.4 ft to Section Corner: thence in Sec 22 T44 R29: S10°E 166.50 ft to 2x20 iron stake on our new E. and W. boundary line: thence West 28.9 ft thence North 164.00 ft to Section Corner

1/4 the Corner to Sec 2 8-7-16-17 7-44 R29 U.S. Rules call for a post and: 1/4 Pin 10 inch. S70°E 46 links (= 30.36 feet) Whit-Pin 14 inch. S27°W 33. Links (= 21.78 feet) Whit-Pin 15 inch. N32°W 53 links (= 43.78 ft) Whit-Pin 15 inch. N26°E 175 links (= 115.50 ft) The Aspen is gone but we find the other three lines plainly marked: They do not check for closure but chain out good for distance

I set point for Corner by flat chain from face of the figures on the lines and find the distance between the N.E. and S.W. lines to be 1.25 ft too short. So by proportion each distance between the two lines would be .0091055 of a foot short in each foot: After setting the corner by proportion the old bearing lines stand on follow-on @ 9°40' or Old N.P. Pin B.T. S31°20'W 21.78 - 0.20 = 21.58 feet - 1.05 = 14.45 feet: Old N.P. Pin B.T. S53°E 30.36 feet I clear: Norway Pin 6 inch. N48°15'W 53.35 feet. I mark a new bearing as given and plainly marked: it has been struck by lightning. The old S.W. B.T. is a clay stub 12 feet high and is plainly marked: The old S.W. B.T. 30 inch N.P. Pin plumb with only the bottom figures showing

As set a 2x54 inch Iron Monument being an iron pipe driven its full length in the ground in a 2-inch removal of dirt for the line corner

1. Section 8-7-16-17 T44 R29. Then as a check we run the Section 7. N27°10'E 114.45 ft to old B.T. plumb: thence West 92.20 feet: thence South 101.82 ft to Section corner. thence

4th Section 8: N48°15'W 53.35 ft to the New line N.P. Pin B.T. thence East 39.80 ft: thence South 35.52 ft to Rec Corner.

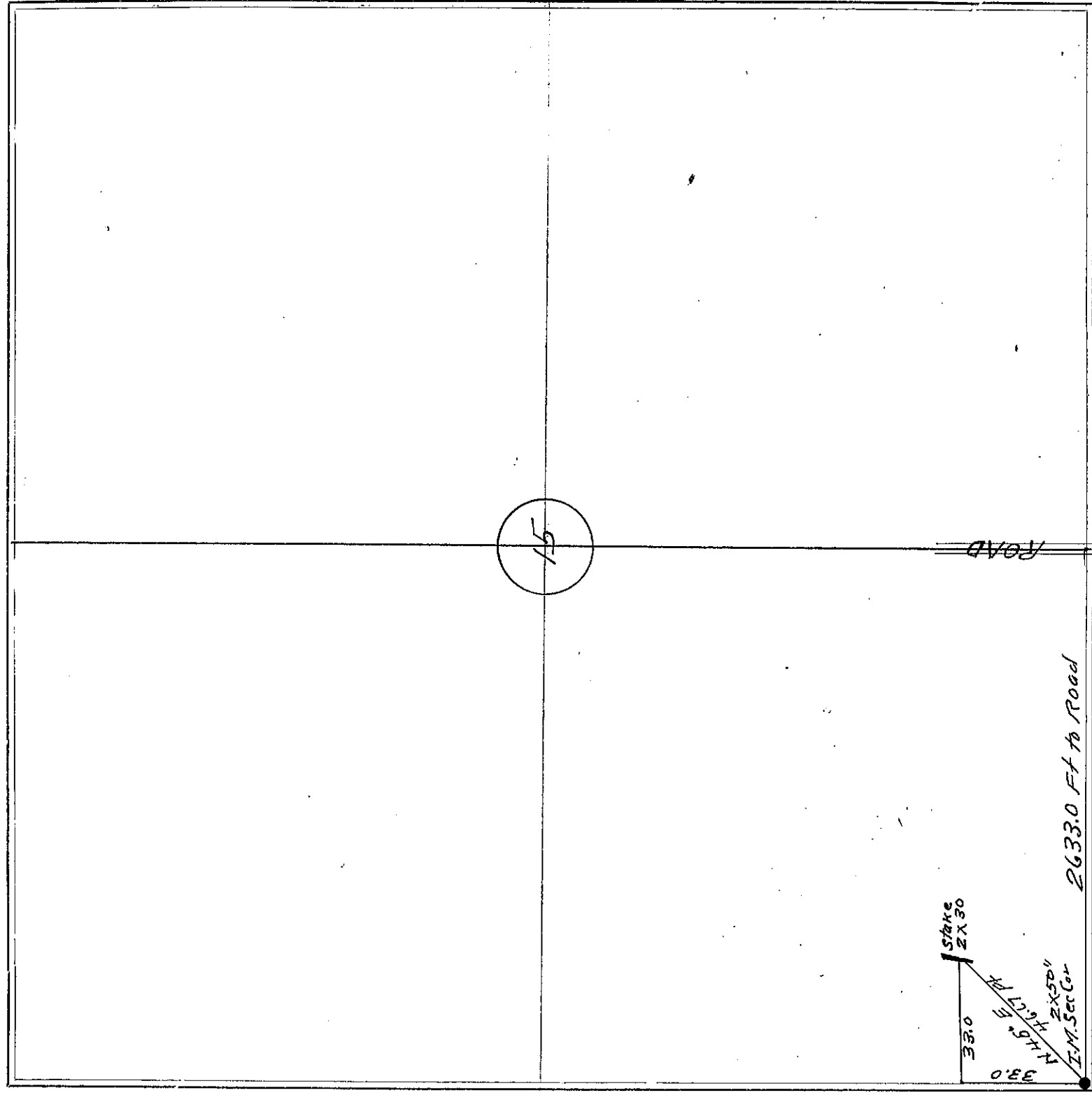
SURVEY No. 148

Section 15

Town 44

Range 29

4th PM



FIELD NOTES.

At the $\frac{1}{4}$ Corner between Section 16 and 17 T44 R29 U.S. Notes call for post and; Whit Oak 15 inch, N3°W 514 links (= 339.24 feet) Whit Oak 12 inch N2°E 538 links (= 355.08 ft) We produce a straight line from Cor to Sec 8 R29 16-17 South to the Corner to Section 16-17 20-21 and find the total length 5285.70 feet and at a point on the straight line 2645.00 South I establish the line $\frac{1}{4}$ Corner between 16 and 17 from the old N.W. 3rd 1/4 lying in a stump. Course turned perfect from the line straight line and the measurement to the stump checks with the distance given in the U.S. field notes. I set an Iron Monument 2x52 inch pipe driven over a 2 inch wood piling and driven to solid ground in a big open meadow for the line $\frac{1}{4}$ Cor bet Sec 16 and 17 T44 R29. Around this $\frac{1}{4}$ Cor we make a circular mound 6 feet across.

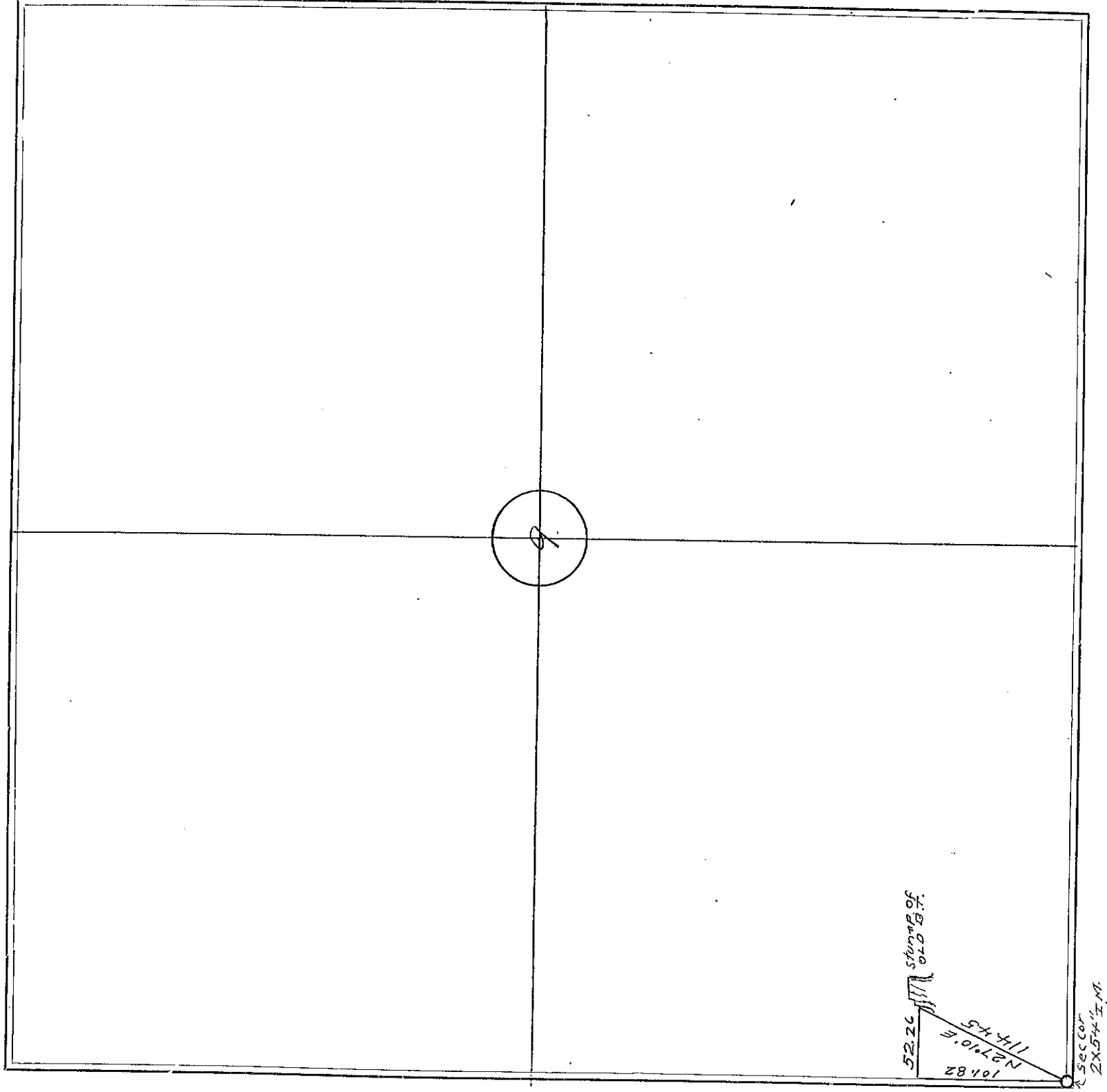
The North $\frac{1}{4}$ Corner falls 1322.50 feet South of Cor to Sec 8 R29 16-17 We find the length of the line between Section 16 and 21 to be 5248.80 ft rough chain. All other measurements in this survey closely taken from the U.S. Meander Corner between Section 8 and 17 on East side of Upper Long Lake U.S. notes call for a post and the following bearing "Bear Note: The U.S. Notes say at 7800 West 110° 22' 40" and set M. C. from which"

Yellow Pine 10 inch, S62°E 20 links (= 13.20 ft) 14 Pms Birch, N80°E 24 links (= 15.84 ft) We find the string of bath old lines which check out to a fringe for course and distance at 8°30' on East from which we set an Iron Monument, being an iron pipe 2x54 inches in size its full length in the ground in a big mound of stones and sand for the line Meander Corner between Section 8 and 17 T44 R29 with new bearings as follows: Poplar 4 inch S60°45'E 22.60 ft 14 Pms 3 inch, S35°W 19.10 ft to head of nails driven in flat spot at base of rock lies and @ 8°30' on

The meander Corner between Sec 17 and 18 on South side of

SURVEY No. 148

Section 2 Town 44 Range 29 4th P.M.



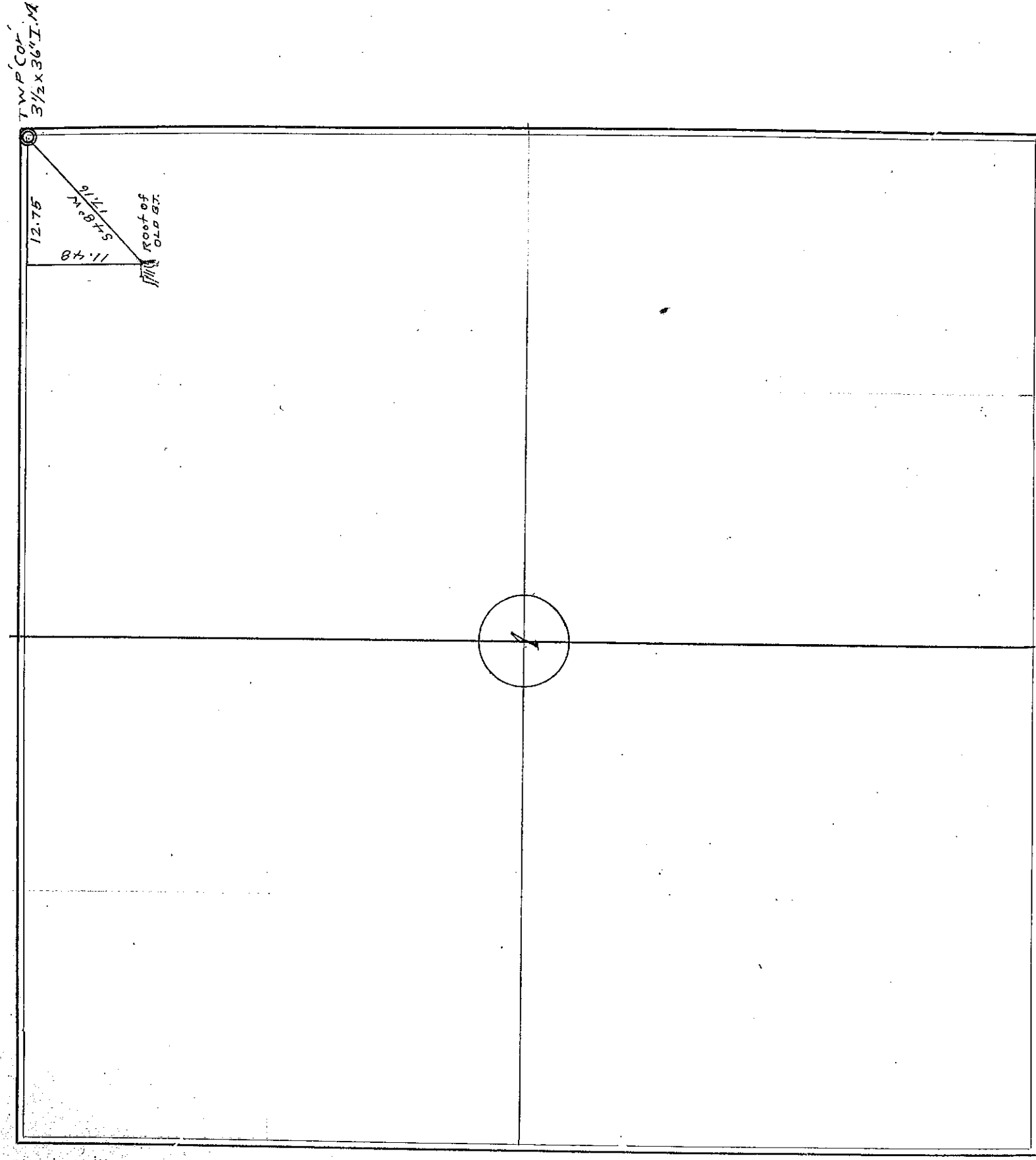
FIELD NOTES.

Upper Lake bears S 75° 30' W 135.30 feet distant @ 8° 30' W. 17 ft N. P. between Deer 8 and 17 U.S. Nalis call for a post and: Aspen 10 inch N 72° E 7 1/2 links (= 49.50 ft). Aspen 10 inch, S 36° W 53 links (= 34.98 ft) all as 20 and from the corner to section 8-9-16-17. I run on random line S 9° 40' E West bet 8 and 17. @ 26 ft West gal. in N 80 fence; at 400 ft West set pole; 200 ft set every 300 ft and set on line with the line; at 1808 road N 15 and S W: at 2640 set hub; at 3388.70 set hub; at about 3470 west, a fence corner N and S. at 4258.20 West, hub on East bank of small stream, runs north; at 4250 W. set stake; at about 4300 W. cross stream, at 7 x 10 ft) hub on West bank of stream; Nalis: The stream is so small we jump over it but the hills on each side are very sharp and about 30 feet high; at 8227 lead to lake; at 5134.10 West set hub from which the Meander Corner sets North 30.10 ft

(Correcting: 5748.00 feet U.S. chain equals 5134.10 feet my chain being 13.90 ft short being .0027 of a foot short in each foot West. The total length of the line between Deer Panel 17.00 is 5278.68 feet. Split chain I proportion distance so as to give each forty 1999.12 links U.S. chain or 1319.67 feet U.S. chain which when proportioned would be 1316.11 ft my chain by way of my random line 1313.56 ft short in each forty by way of my random line the random runs 0° 20' too far to the left.

Correction: In correcting the random between Deer 8 and 17 each stake goes .005863 of a foot North for each foot West 300 W goes N 1.76 ft; 600 W goes N 3.52 ft; 900 W goes N 5.28 ft; 1200 W " N 7.04 " ; 1316.11 " " N 7.72 " to point for the East 1/16 on 1316.11 between Deer 8 and 17 but we do not set this 1/16 as we are only setting the stake over for the purpose of marking the road center

Section 1 Town 43 Range 30



FIELD NOTES.

1500 W. goes North 8.79 ft.: 1790.50 W. goes N 10.50 ft.: 1800 W. goes N 10.55
 2100 W. " 12.31 " : 2400 W. " N 14.07 ft.: At all points
 we set hubs and tall stakes marked "True section line" "Road Center"
 At 2632.22 West we run North, 90° to random line, 15.43
 feet where we set an iron monument, being an iron pipe 2 x 38 inches
 in size, set its full length in the ground in a wheel mound for
 the true 1/4 corner between Sections 8 and 17. T 44 R 29

The correction for the remaining part of this line, or the West
 half mile, are as follows: 2700 W. goes North 15.83 ft.: 3000 West goes
 North 17.59 ft.: 3388.70 W. goes North 19.97 ft.: 3600 West goes
 North 21.11 ft.: 3900 W. " 22.87 " : 3948.33 W. "
 " 23.15 ft. point for West 1/2 corner between Sections 8 and 17.
 4258.20 W. goes N. 24.97 ft.: 4419.90 W. goes N 25.91 ft
 4800 W. " N 28.14 " : 5134.10 West goes North 30.10 ft. to
 U.S. Meander Corner on East side of Upper Long Lake.

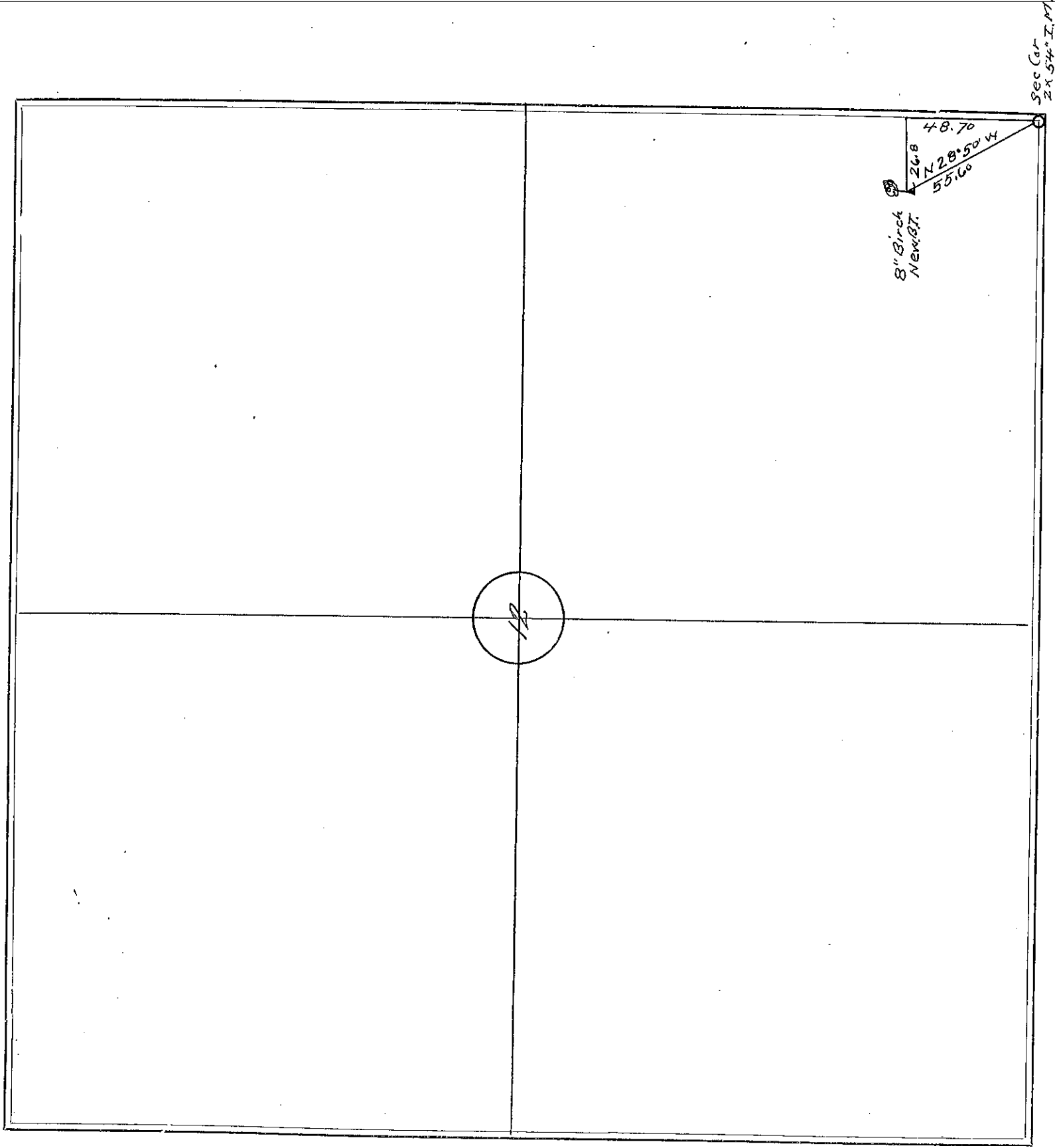
We do not correct over the West half mile.
 At the U.S. Meander Corner between Sections 17 and 18. T 44 R 29, U.S. Notes
 call for a post and: Yellow Pine 12 inch, S 29° W 9 links (= 5.94 ft.)
 Yellow Pine 10 inch, N 81° E 41.1 links (= 27.06 ft.)

We find the tall stumps of the S.W. Pine, very plainly marked
 from which I set a 2 x 54 inch Iron Monument, being an iron pipe
 set in a large mound of sand and stones for the true U.S. Meander
 Corner between Sections 17 and 18 T 44 R 29. Courses run
 from the true section line looking South where the magnetic
 bar reads 8° 30' E. The old N.E. bearing line is gone.

We mark new bearings as follows: Bar Oak 5 inch, S 80° 15' E
 31.95 feet: Bar Oak 7 inch, S 49° 10' W 47.15 feet. to the head of nails

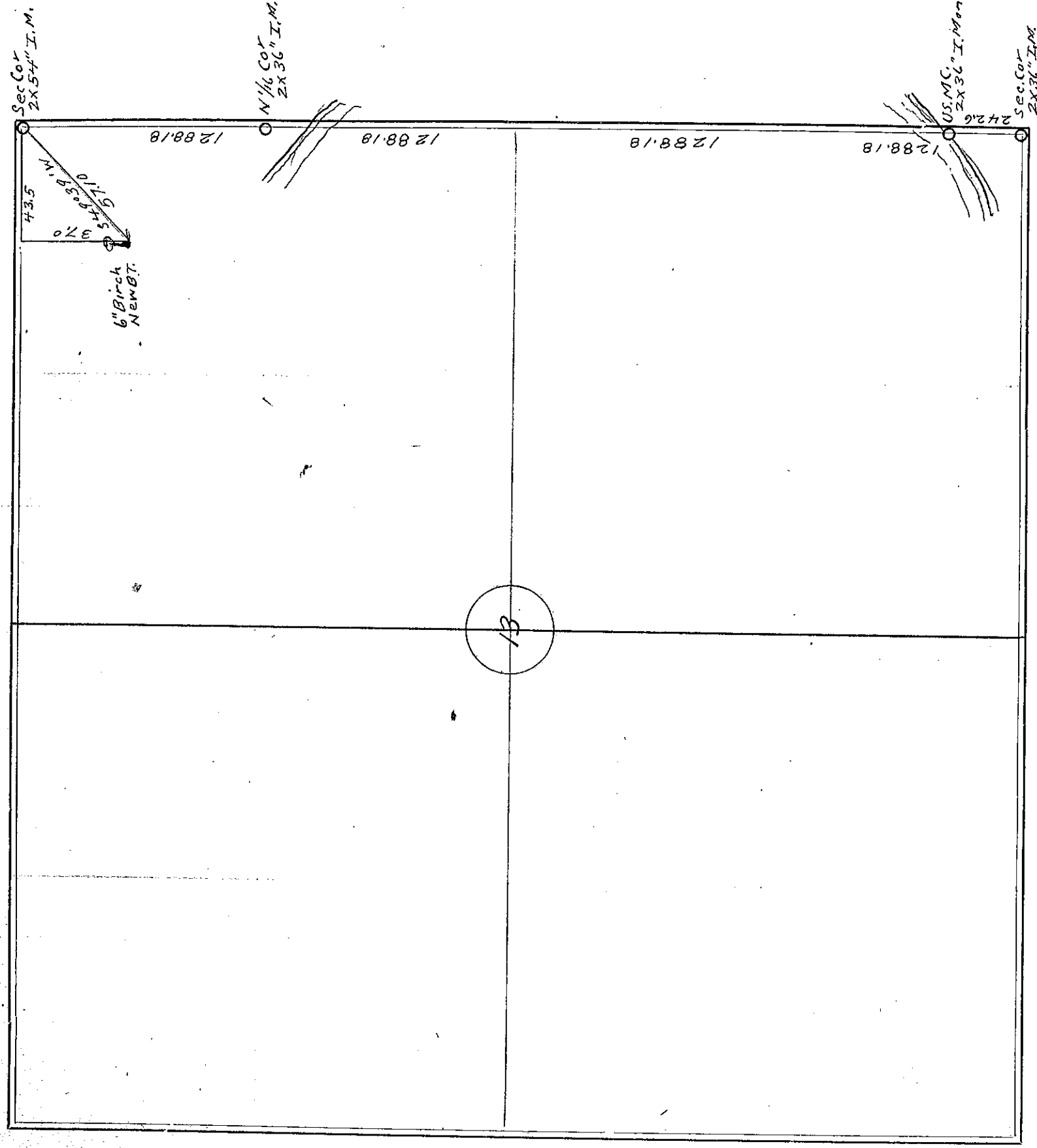
SURVEY No. 148

Section 12 Town 44 Range 30 4th PM



FIELD NOTES.

Run in a flat spot at base of each line: On reader $90^{\circ}30'E$.
 At the $\frac{1}{4}$ Corner between Sections 17 and 18 $7444 R29$, U.S. Nails call for post and: Yellow Pine. - $N6^{\circ}W$ 146 links (= 96.36 ft) All are gone and we locate the $\frac{1}{4}$ Corner by proportional measurement of the total length of the line run straight from end to end
 The total length from the Section corner North to the Meander Corner is 5217.70 feet my chain and equals 5247.00 ft M.S. Chain, being 29.30 ft short, which is .005584 of a foot short in each foot U.S. Chain
 $1312.63 N$ equals the South $\frac{1}{6}$ Corner and 3937.89 North equals the North $\frac{1}{6}$ Corner
 At the $\frac{1}{4}$ Corner we set a 2x38 inch Iron Mon being an iron pipe set in a large mound 6 feet across for the the $\frac{1}{4}$ Corner between Sections 17 and 18 $7444 R29$ from which a few corner bears West 13.70 feet and 0.60 of a foot North
 At 3937.89 North we establish the line North $\frac{1}{6}$ Corner before Section 17 and 18 $7444 R29$ and set an Iron monument being a 2x38 inch iron pipe set in a mound of dirt in a 4 foot circle
 We produce the North $\frac{1}{6}$ line of Sec 17 $7444 R29$ the entire mile straight across the Section then produce the line $N89$ center line the entire mile straight across the Section and where the two lines cross we set the line $\frac{1}{6}$ corner in the center of the north half of Section 17 and place an iron monument 2x38 inch iron pipe in a circular mound of dirt 4 ft across.
 The length of the line between Sections 16 and 21 is 5249.80 feet this may vary from line and the distance from the corner of Sections 15, 16, 21, 22, East to the main N and S road center is 2633 feet
 From the corner of Sections 16, 17, 20, 21 $7444 R29$ South to the center



FIELD NOTES.

Remain graded East and West road the distance is 5270. feet.

At the U.S. Meander Corner between Sections 13 and 18 on the South side of Lower Long Lake between T444 R29 and T444 R30, U.S. Valis call for and say 74366 Links North (= 2441.56 ft) enter lake and set M.C. Iron which; Red Pin 10" bears S12°W 23 links (= 15.18 ft) White Pin 14" S25°E 22 links (= 14.52 ft) "

I find the stump of the old S.E. White Pin lies from which I chain northwesterly 14.52 feet to an intersection with the Lines N and S Range line which I produce straight for the mile between Sections 13 and 18 and at such intersection I set an Iron Monument, being a 2x36 inch iron pipe, set half its length in the sand beach 3 feet North of sea wall and pile a lot of big stones and sand nearly to the top of the iron for the New Meander Corner between Sections 13 and 18; The distance from this M.C. South to the Section Corner is 2441.56 feet U.S. chain and is 2442.60 ft my chain being 1.04 feet too long.

The Meander Corner between Sections 13 and 18 on the North side of Lower Long Lake is gone.

At the corner to Sections 7, 12, 13, 18 between T444 R29 & 30 U.S. Valis call for a post and the following bearing lines:

White Pin 12 inch, S 45°W 13. links (= 8.58 feet)

" " 10 " N 55°W 32 " (= 21.12 ")

" " 18 " S 28°E 57 " (= 37.62 ")

" " 16 " N 63°E 79 " (= 52.14 ")

S.E. lies very plainly marked "B.T." We find the stump of the stump of the N.E. lies which is too short to be marked but the only pin stump in that direction and from these two stumps, I set the point for the corner by flat chain from the face of the stumps. The other two lines appear to be gone. We set an iron monument, being an iron pipe 2x54

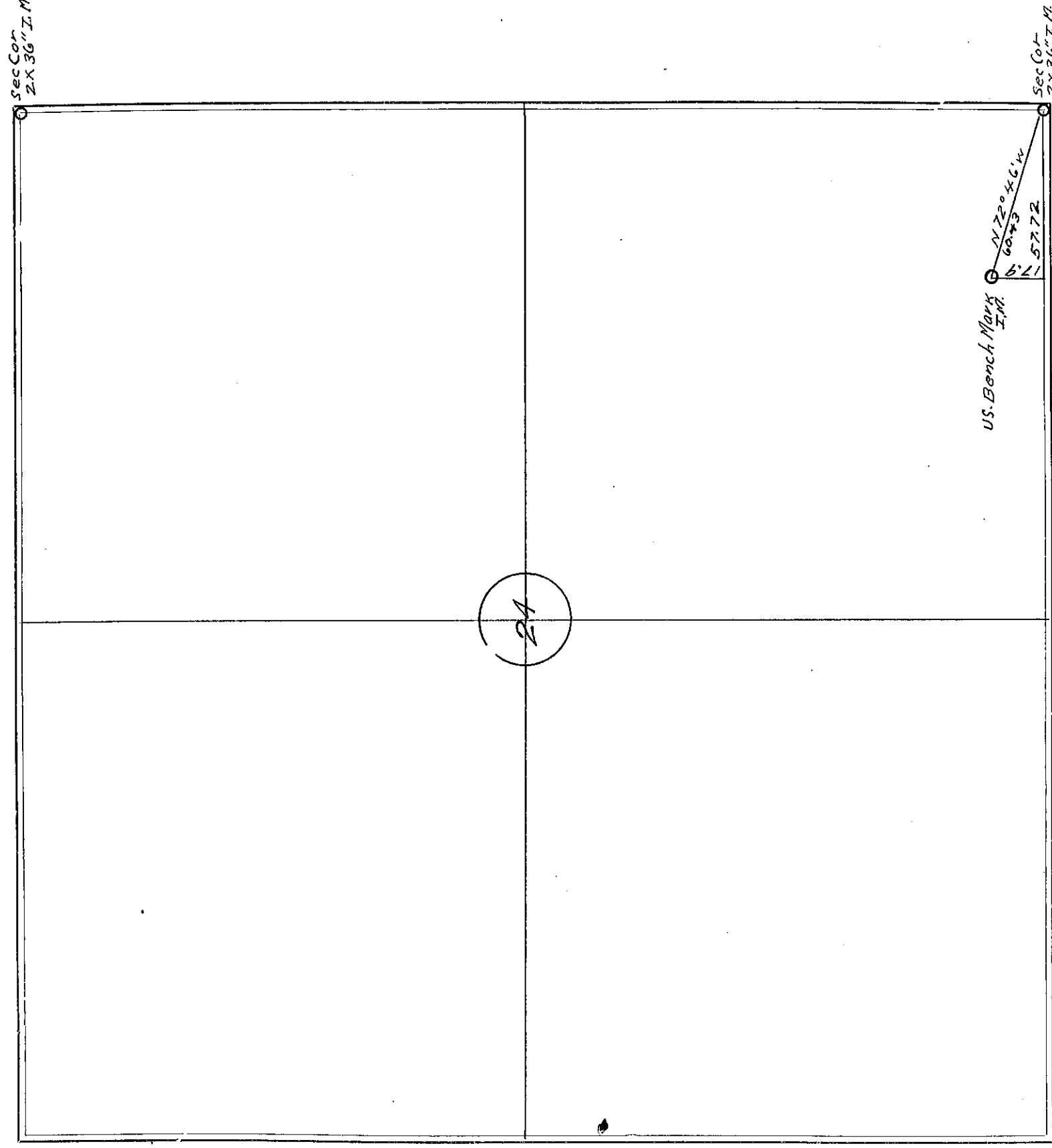
Section 24

Town 44

Range 30

4th PM

SURVEY NO. 148



FIELD NOTES.

inches in size set its full length in the center of the main N and S road for the line corner to Section 7-12-13-18 744 Rgs 29 and 30, and mark new bearing lines as follows: 6 inch Birch S 49° 39' W 57.10 ft; 8 inch Birch N 28° 50' W 55.60 ft; 9 inch Birch N 31° 50' E, 68.50 ft; 15 inch Pine Stub S 47° 22' E 30.95 ft 10 nails in flat spot at base of each line. Corners lined from the line Range line looking South, on flag at Section corner at NW Corner of Section 18. Lot reads 8° 20' E.

This corner to 7-12-13-18, is exactly where all County Surveyors and private surveyors have always set it and is accepted by all surrounding land owners and recognized as a line section corner. As a check on the position of a new bearing line, I run

On Section 7-12-13-18: 744 R 29; N 31° 50' E 68.50 feet to the 9 inch Birch; thence North 30.13 feet; thence South 58.20 feet to Section corner. thence

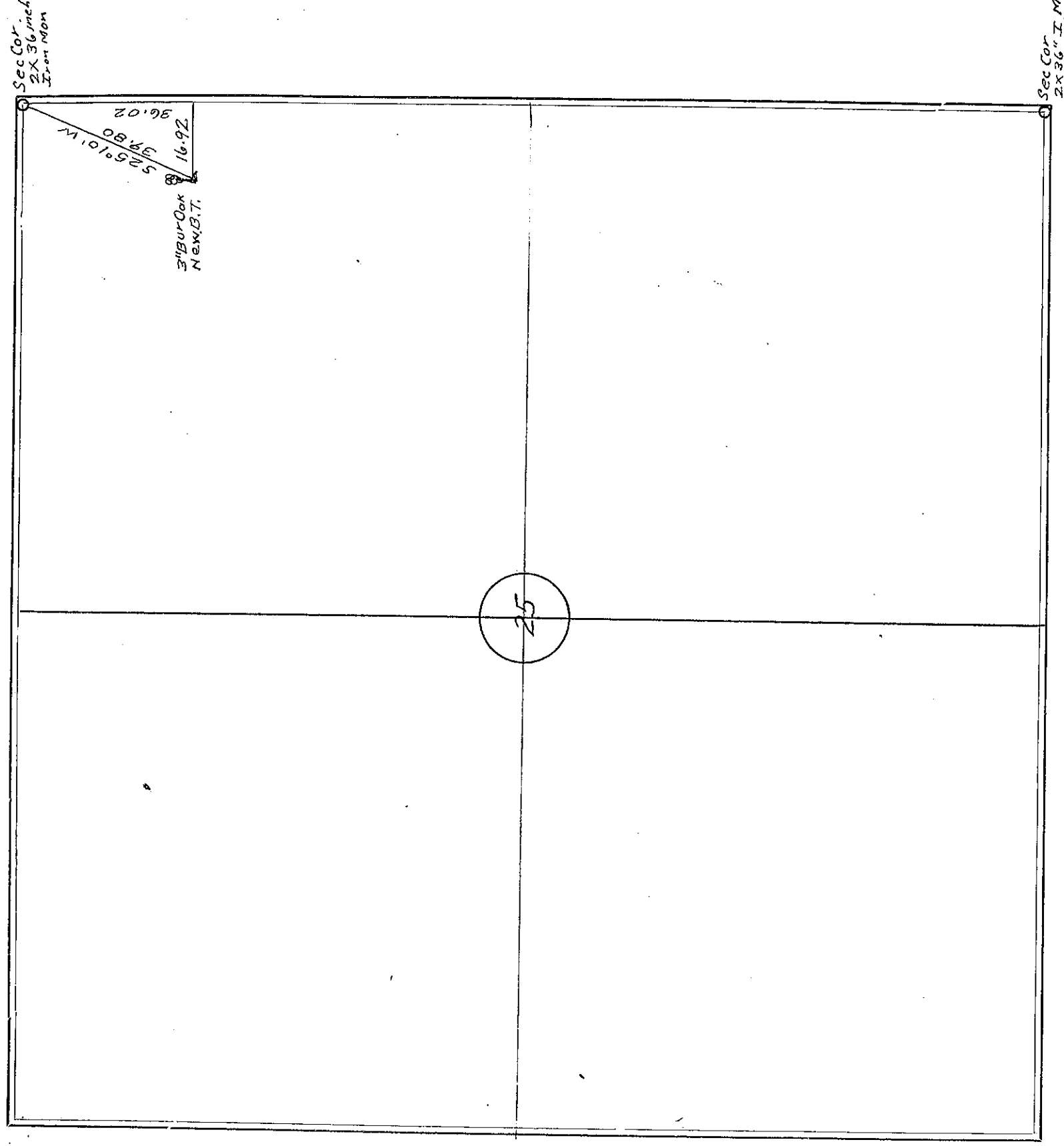
On Section 12-744 R 30. I run: N 28° 50' W 55.60 ft to the 8 inch Birch, thence East 26.81 feet; thence South 48.71 ft to Section corner. thence

On Section 13-744 R 30 I run: S 49° 39' W 57.10 ft to the 6 inch Birch; thence North 37.0 ft; thence East 43.50 ft to Section corner.

To establish the $\frac{1}{4}$ being the North $\frac{1}{4}$ corner on the Range line between Sections 13 and 18, I get the distance across lower Long Lake by triangulation and find the lateral length of the line bet. Sections 13 and 18 to be 5152.74 feet. Dividing this into 4, equal parts, we set the $\frac{1}{4}$ corner at a point on the straight line 1288.18 feet South of the corner to Sections 7-12-13-18 and drive a 2x36 inch iron monument being an iron pipe driven its full length in the ground in a 15 inch circular mound of dirt 4 feet across, for the line North $\frac{1}{4}$ corner between Sections 13 and 18. 744 Rgs 29 and 30 W

I partly subdivided Section 18 744 R 29 as follows:

As the $\frac{1}{4}$ corner on the North side and West side is gone, I begin at the $\frac{1}{4}$ corner on the South side and run a line North thro the center



FIELD NOTES.

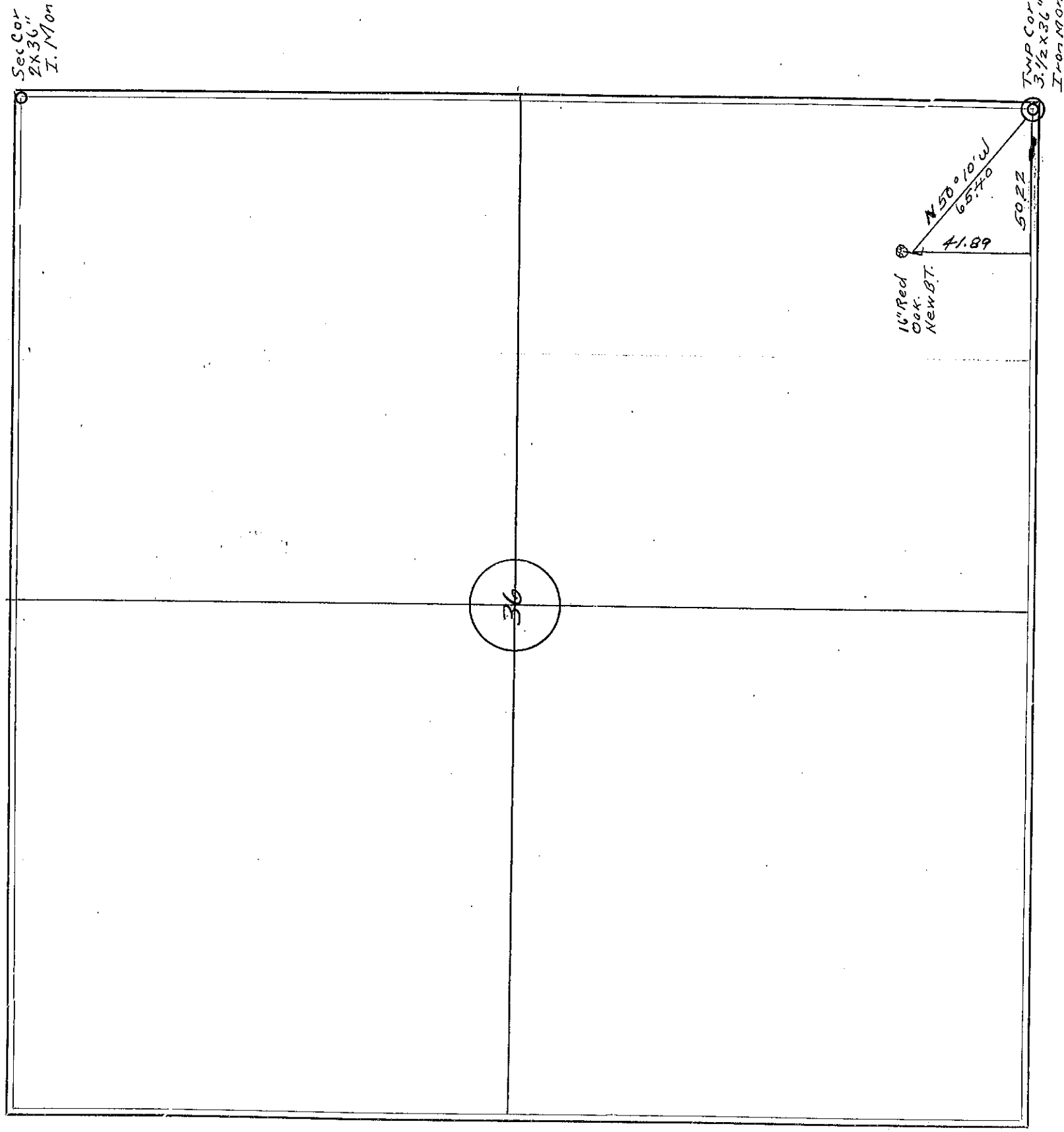
With due parallelism to the two sid lines, and from the $\frac{1}{4}$ corner on the East side, I run a line West with due parallelism to the sid lines, and at a point where the two straight lines intersect, I set a 2×36 inch Iron Monument, being an iron pipe set in a 6 foot circular mound in a big marsh, for the line center of Section 18 T 44 R 29, and left a point where the line N and S. Center line cuts the line North $\frac{1}{4}$ line which runs a whole mile straight East and West, I set an Iron Monument, being a 2×38 inch iron pipe set in a large mound of dirt for the line $\frac{1}{16}$ corner in the center of the North half of Section 18 T 44 R 29, which comes on the N.W. slope near the top of hill. This $\frac{1}{16}$ corner is 2588.20 feet West of the East line and 13898.60 feet North of the South line of Section 18.

At a point on the E. and W. Center line of Section 18, my line checks perfect with a 2×36 inch iron monument set by Surveyor Knutson, 4262.77 feet West of the $\frac{1}{4}$ corner, and is on the East shore of Lower Long Lake. This Lake shore iron monument is known as "Knutson's Monument" as it was set by a Civil Engineer Mr L. Knutson. It is probably mentioned in some of deeds for small parcels of land along the lake shore near this point. From this iron monument which we will call Knutson's Monument I run East along the line Center line of Sec 18 a distance of 80.00 feet where I set a 2×36 inch iron pipe in the center of the main traveled R. Road which runs N and S. and at a point on the line E and W. Center line 1582.9 feet West of the center of Sec 17. This point is Station 8, being the West end of a newly established Twp road coming from the N.E. which I have surveyed and which is described as follows

Beginning at the cor to Sections 8, 9, 16, 17, T 44, R 29, being Sta 1: thence West along the Section line 2632.22 ft to Sta 2, being the $\frac{1}{4}$ corner bet Secs 8 & 9, 17; thence South along the center line 1318.10 ft to Sta 3, being the $\frac{1}{16}$ cor in center of N. half of Sec 17;

SURVEY No. 148

Section 36 Town 44 Range 30



FIELD NOTES.

Thence West along the $\frac{1}{16}$ line 2633.25 ft to Sta 4 being the North $\frac{1}{16}$ between Secs 17 and 18; Thence West along the $\frac{1}{16}$ line 2523.20 ft to Sta 5, being a point 65.0 ft East of the $\frac{1}{16}$ in Center of N. half of Sec 18; Thence S60°40'W: at 73.19 cross $\frac{1}{16}$ line at a point 36.2 ft South of the $\frac{1}{16}$ corner; at 755.0, set Sta 6; Thence S34°55'W 1132.30 ft to Sta 7, on Ran line of Sec 18 at a point 1252.9 ft West of the Center of Sec 18; Thence West along the center line 330. feet to Sta 8, being an iron monument in the center of the main NYS County Road on the East shore of Lower Long Lake 80. feet East of Hamilton's Monument. This is a 2. Rod road.

Another 2. rod road begins at the $\frac{1}{4}$ Corner bet Secs 31 and 32 T44 R29 and runs West 2651.82 ft to the center of Sec 31, connecting with the main County Road running North and South.

The men who assisted in this survey at various times were Harold S. Curo, first Tonger; Nels Nesheim; Theodore Egernes; Fremont Nesheim; Roy Stach; J. H. Hillman; Roy A. Norton; Louis G. Nesheim; and John W. Ducco.

Surveyed April 3rd 1918 to May 2nd 1918. Checked and finished Oct 22nd 1919.
Recorded Feb 23rd 1920

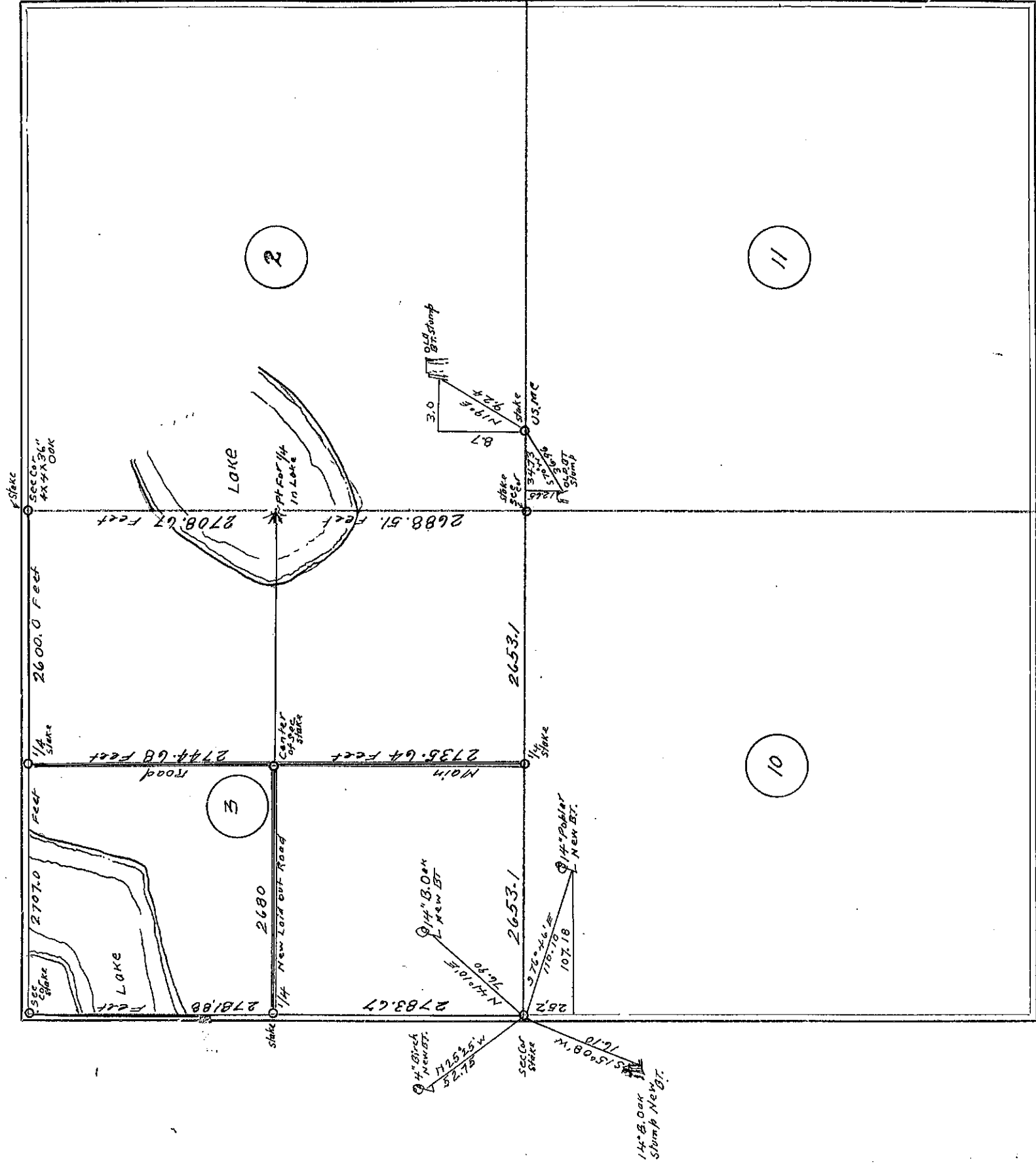
John W. Ducco
County Surveyor
Dredging Co. Minn.

SURVEY No. 149

Sections 2-3-10-11

Town 44 N

Range 28th 4th PM



FIELD NOTES

Survey extends over a part of
Sections 4, 3, 4, 5, 8, 9, 10, 11. T 44 N R 9 28 W also
Sections 33, 34, 35. T 45 N R 9 28 W. 24th. PM.

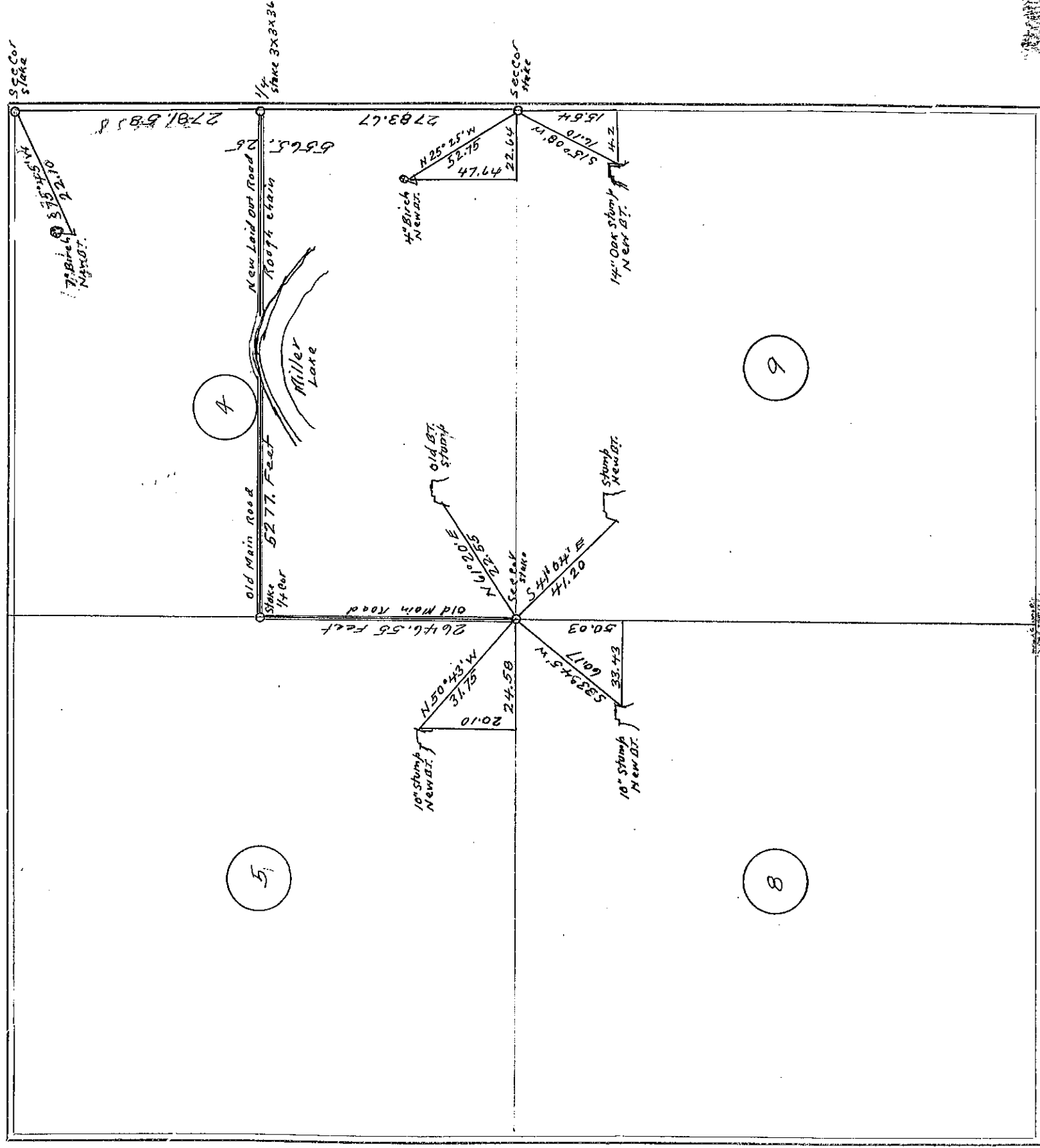
Field notes of the survey of a party of sections 2, 3, 4, 5, 8, 9, 10, Township 44 N., Range 28 West, and Sections 33, 34 & 35, Twp. 40 North, Range 28 W. 4th P. M. and the establishment of new corners and new bearings trace the systematic search for the remains of old W. S. bearing trace in said section. As suggested by and under the direction of John C. Grant, County Surveyor of Town of Wing to him.

This survey includes a twp road which is to begin at the center of the N 4 S 30 graded county road in the center of section 3, T 44 R. 7 E and run thence W. nearly 4 miles on the center line of section 3 and to intersect the main traveled graded to road just East of Post Office which is a stone built near by N.E. 20 mile back.

At the W. S. Meander corner on the West side of 2nd St. Lake between sections 10 & 11, T. 44 N. R. 28 E. W. S. notes call for a post and the following bears trees! White (Post) 30 inch N 19° E. 12 links, (= 4.24 ft) Oak 10 inch, S 70° W 56 links, (= 36.96 ft).

SURVEY No. 149

Sections 4, 5, 8, 9 Town 44 N Range 28 W 4th PM

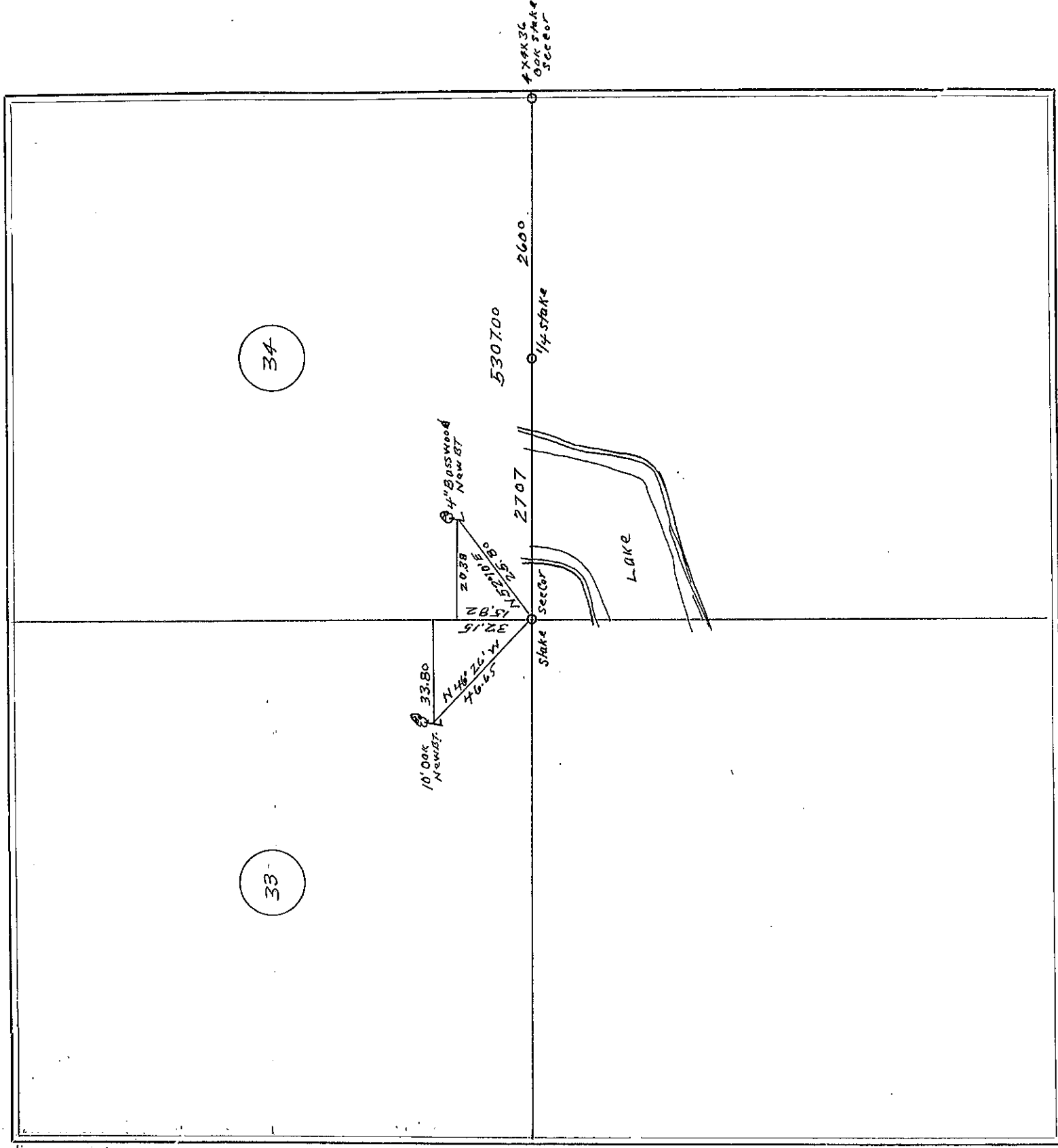


FIELD NOTES.

I found the stump of the White Pines, and the root of the ash from which I set a small stake for the corner corner from which run:
 IN SECTION 2: N 19° E 8.24 ft to figures on the face of the old stump of the 50 inch White Pine bearing East; thence West 30 ft; thence South 8.7 ft to the corner corner, thence:
 IN SECTION 11, T 44 N, R 28 W, A runs S 70° W 36.86 ft to the root of the old S. W. bearing tree; thence North, 2.63 feet; thence East 34.73 feet to the corner corner; the place of beginning; I ran these lines, I check on the surface.
 At the corner to sections 2, 3, 10 and 11, T 44, R 28. We find the previously established corner for me. The corner corner, figures west from the old U.S. bearing trees, and from the corner a few corners N. S. and E. The trees corner is a 20 inch corner stake set tight up against the West side of the corner post of the fence.
 The distance from this corner East to the corner corner is 36.86 feet. U.S. chain but we do not take time to run or chain this distance.
 At the corner corner, between sections 9 and 10, T 44, R 28. We find no trace of either the old post or bearing trees so decide to run it in.

SURVEY No. 149

Sections 33 and 34 Town 45 N Range 28 W 44 PM



FIELD NOTES

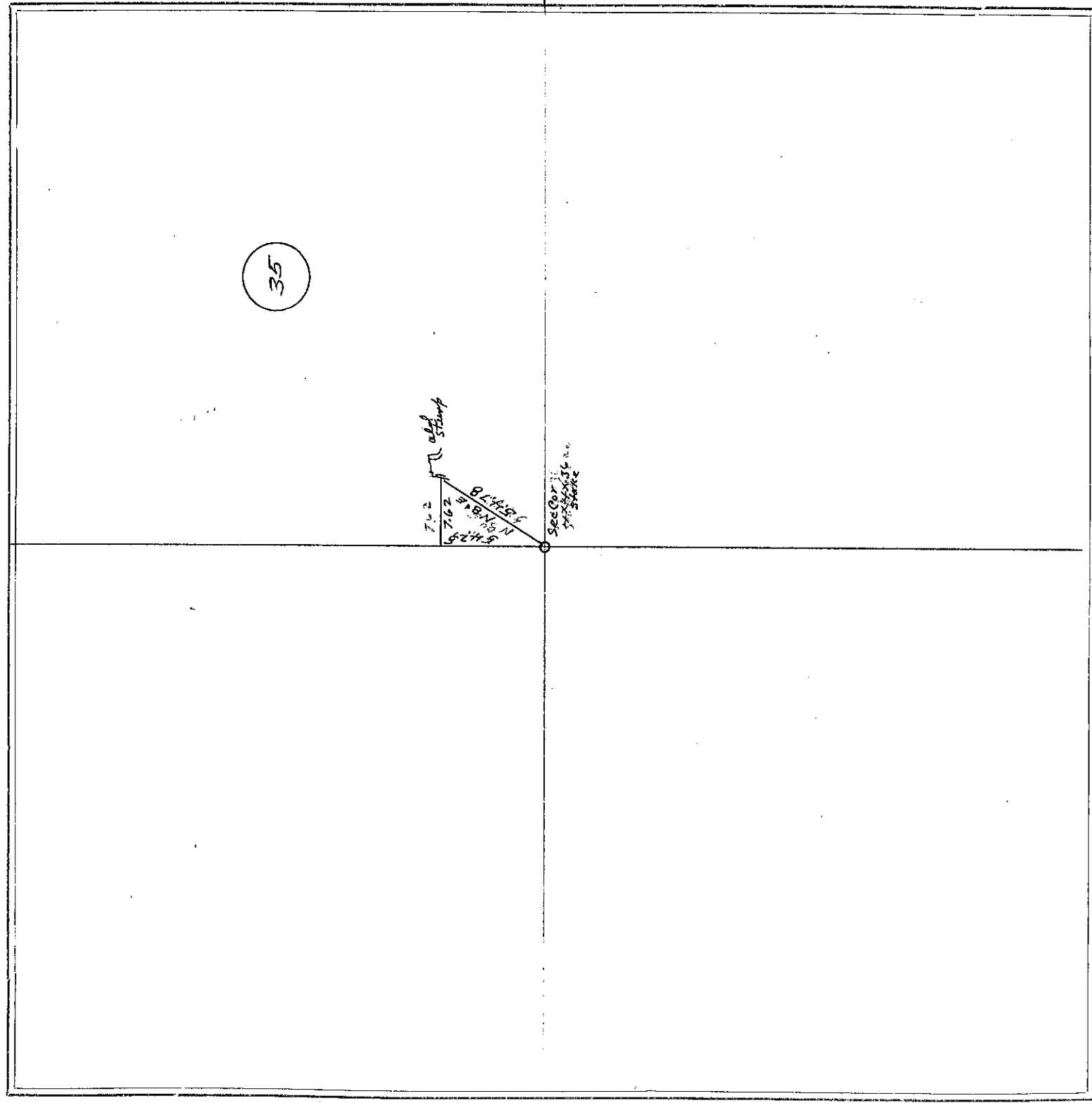
At the corners to sections 3, 4, 4 and 10, T44N, R28W we find the point for the old corner is found by a stake placed by locality. Since we have been there, the corner is in the corner of the east & west graded road where we have a 2x20 inch hub. It is a stake for the trees corner with a new bearing tree as follows:

Bear Oak 14 inch. N 41° 10' E 16.70 ft.
 Poplar 14 inch. S 76° 46' E 10 ft.
 Bear Oak stump 14 inch. S 10° 10' E 16.10 ft.
 Big 4 inch N 25° 25' W 32.75 ft. Turned from the trees section line looking north.

From the corner (see above) IN SECTION 3, T44, R28, N 41° 10' E 16.70 ft. to the 14 inch Oak by the corner. 14 ft. 57.9 ft. the corner.

IN SECTION 4, T44, R28, N 15° 01' W 16.10 ft. to the 14 inch Oak stump; thence E. 11.2 ft. to the 14 inch Oak stump. Thence S 10° 10' E 110.10 ft. to the 14 inch Poplar; thence West 107.18 ft. thence S 22° 12' E to section corner. The place of the corner is marked. Corner was a check on the bearing. It is that appears to be the roots of the old 70.5 bearing trees check for corner and distance with this corner.

Running East between sections 3 and 10, T44, R28.

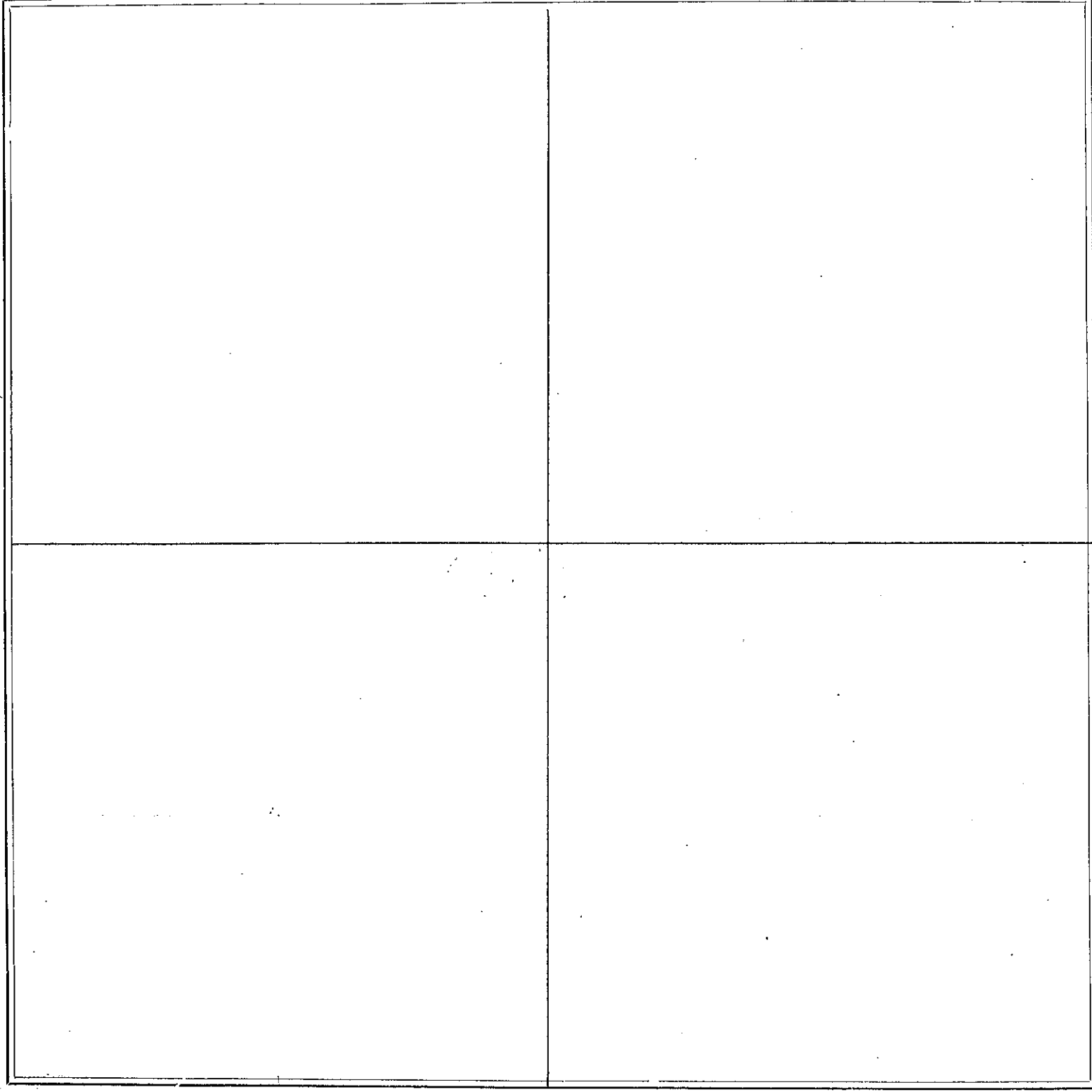


FIELD NOTES.

we find the distance carefully chained, to be 5366.20 feet and at a point half way between and on a straight line set a stake for the trees. I corner the trees sections 3 and 4, at 445.79 ft. with new bearing trees as follows:
 (1) 1/2 pole 10 inch. N 44° 14' E 57.25 feet.
 (2) 1/2 pole 5 inch. S 47° 47' E 54.82 feet. to corner.
 That point at base of trees.
 Total wire 5366.20 by my chain = 5360 ft. U.S. chain being 96.20 ft. long.

At the 4 corner between sections 4 and 5 - 7 44, CR. 78. U.S. notes call for foot and:
 From each to north 580' 80' links (= 52.80 ft.)
 From 4 corner S 67° W. 40' links (= 36.40 ft.)
 We find the string of the old S.E. bearing trees 1/2 pole which set in 2120 inch stakes firmly in the ground. For the trees 4 corner corner secured from the trees section 4 lines looking half cornered South along the graded road, variation road is 7° 20' E;

From each new bearing trees as follows:
 From each 3 inch S 72° W 26.70 feet;
 From 1 1/2 inch bears 13° 40' E. 22.00 ft.;
 From post of fence bears 50° 30' E. 30.30 ft.;
 Old W. E. stump S 80° E 52.80 ft.

Section Town Range

FIELD NOTES.

Old S. W. C. T. comes in side ditch of graded road and is gone. It lies in the triangle cornered between sections at end 5-1-44, SP 78, where a graded road runs E & W. and South.

At the corner to section 45, 8 and 9, T 44 S. (Pg. 283) we find the corner for section 8 established by corner to section 8. Stationing: the point of the old stage is in the center of the 4 & 5 graded road and a block out for a fact for measurement with the 20.00 ft. of the old N. E. bearing trees. I set a new bearing tree stake for the trees ~~corner with new bearing tree~~ as follows:

Under in circular spot on a stump of old N. E. C. T. bearing N 61° 20' E 24.35 feet.

Pine stump, bearing N 50° 43' W 31.75 ft.

Pine stump 10 inches S 41° 04' E 41.20 ft.

Pine stump 10 inches S 33° 45' W 20.17 ft. to face of spot; fence post bears W. about 27.00 ft and another fence post East about 23 ft corner turned. From the fence sections line looking North for the large box near to sections 4, 5, 8 and 9, T 44, R 28, from which we run;

1 N SECTION 10 N 55 T 44 R 28; N 50° 43' W 31.75 ft to the 10

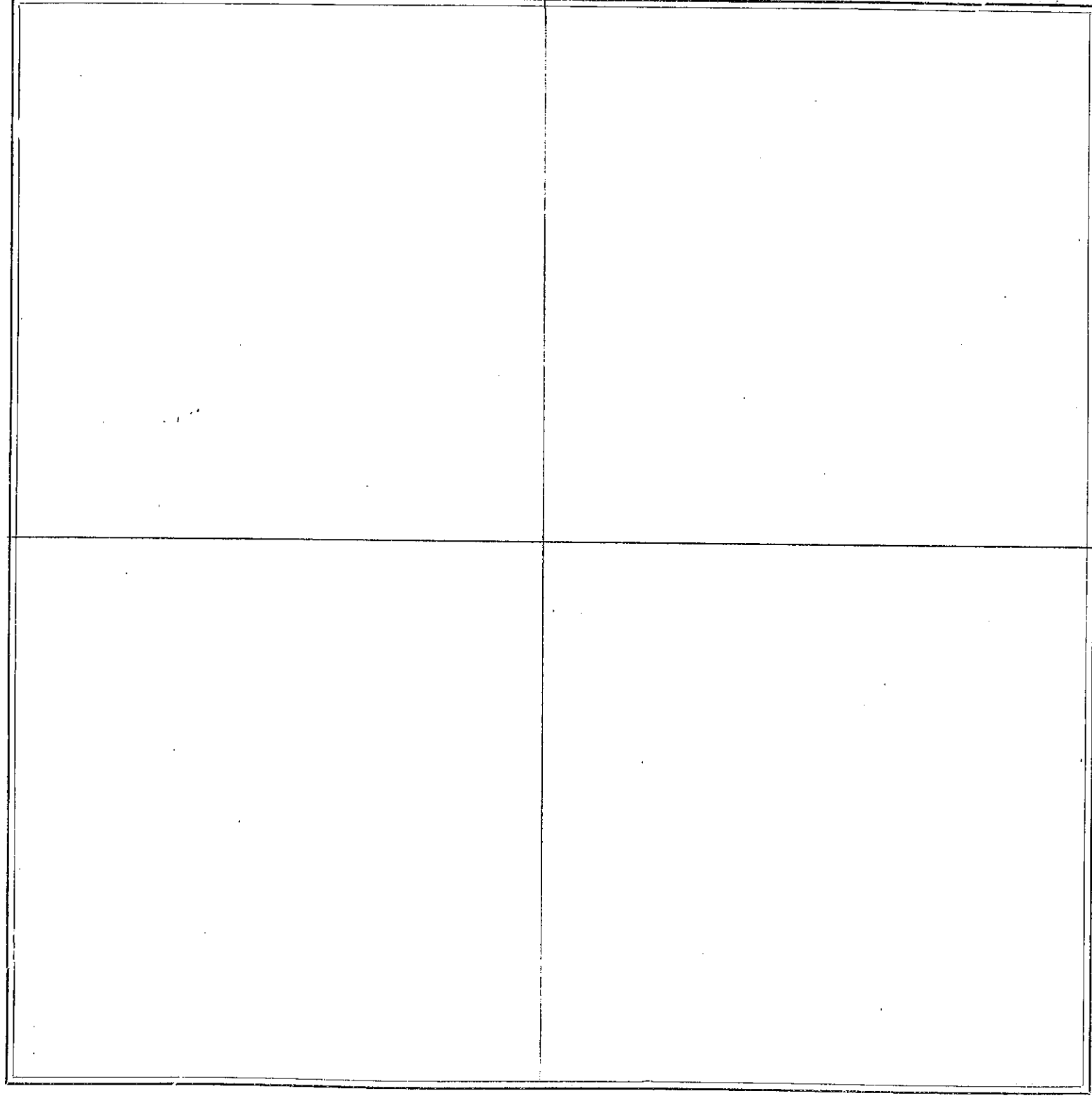
inch pine stump; thence South 20.10 ft; thence East 24.58 ft; thence

1 N SECTION 10 N 55; S 33° 45' W 60.17 ft to the 10 inch stump;

Section

Town

Range



FIELD NOTES.

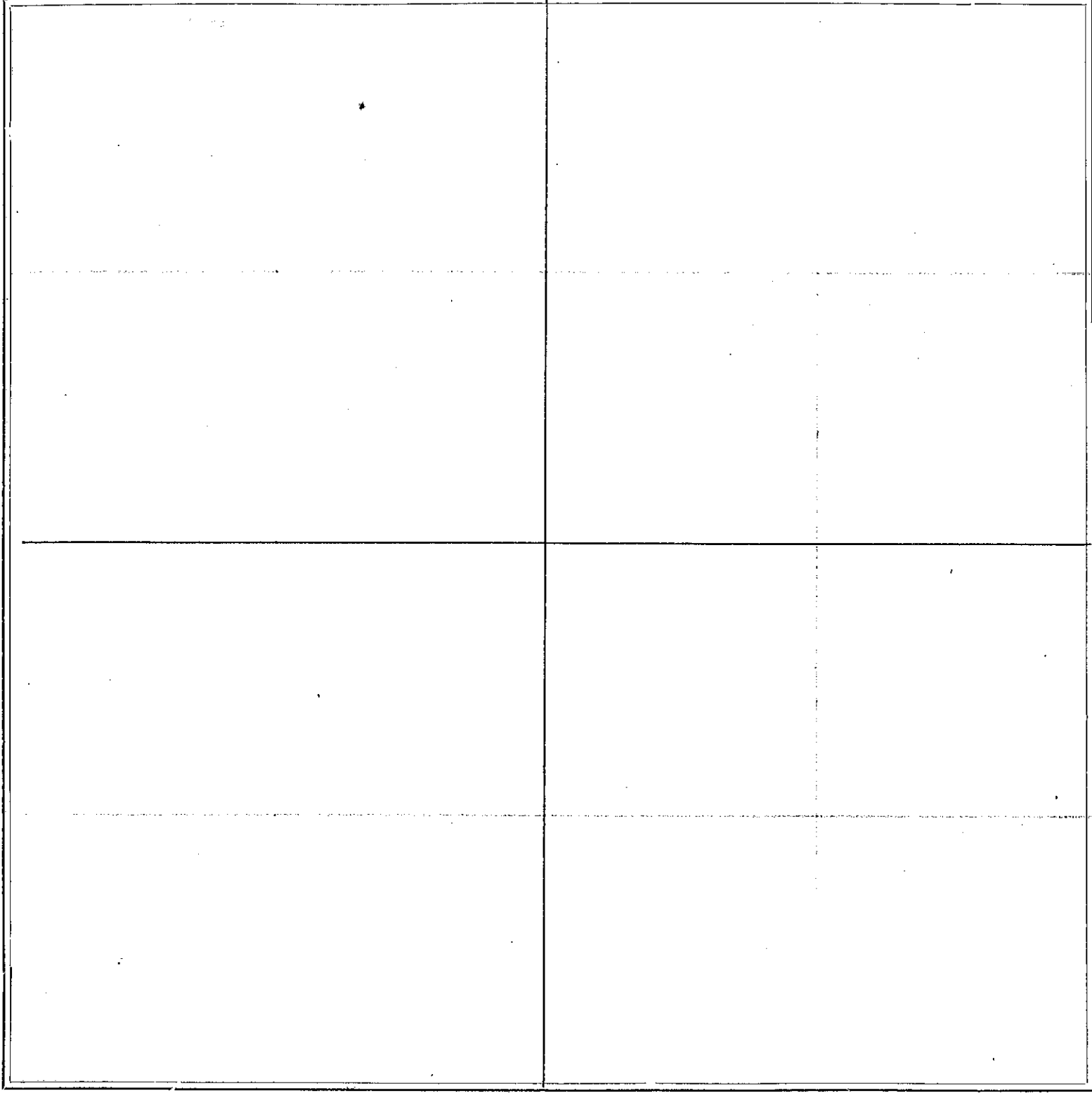
thence East 33.43 ft; thence North 50.03 ft to section corner from which we chain carefully North along the section line in center of graded road 2646.33 feet to the 44 corner between sections 1 and 35, T 44, R 28.

The 44 corner between sections 2 and 3, falls in 11' Nite. Fish stake and cannot be established.

The 44 corner between sections 3 and 4, is gone and we establish it by running the entire width between sections 3 & 4 T 44, R 28, and setting same by proportions.

At the corner to sections 3, 4, 33 and 34, on the corner line between Twp 44 and 45, R 28 & 29, we find the old U.S. bearing trees corresponding N.P. plainly marked and the stump of the old N.W. and S.W. bearing trees at the corner marked and from these we set a stake at the corner with new bearing trees as follows:
 Back 1000 ft with N 53° 10' E 25.80 ft.
 Pick 10' with N 46° 26' W 46.65 ft.
 Pick 17' with S 13° 45' W 92.10 ft.
 Pick 1' with S 46° 18' E 15.23 ft. to Plat. spot on base of each tree, was reads 11° 30' E.
 From the true corner we run:

Section Town Range



FIELD NOTES.

1 N SECT 10 N 34: N $53^{\circ} 10'$ E 25.80 ft to the 4 inch (Bass-wood); thence West 20.38 ft; thence South 13.82 ft thence:

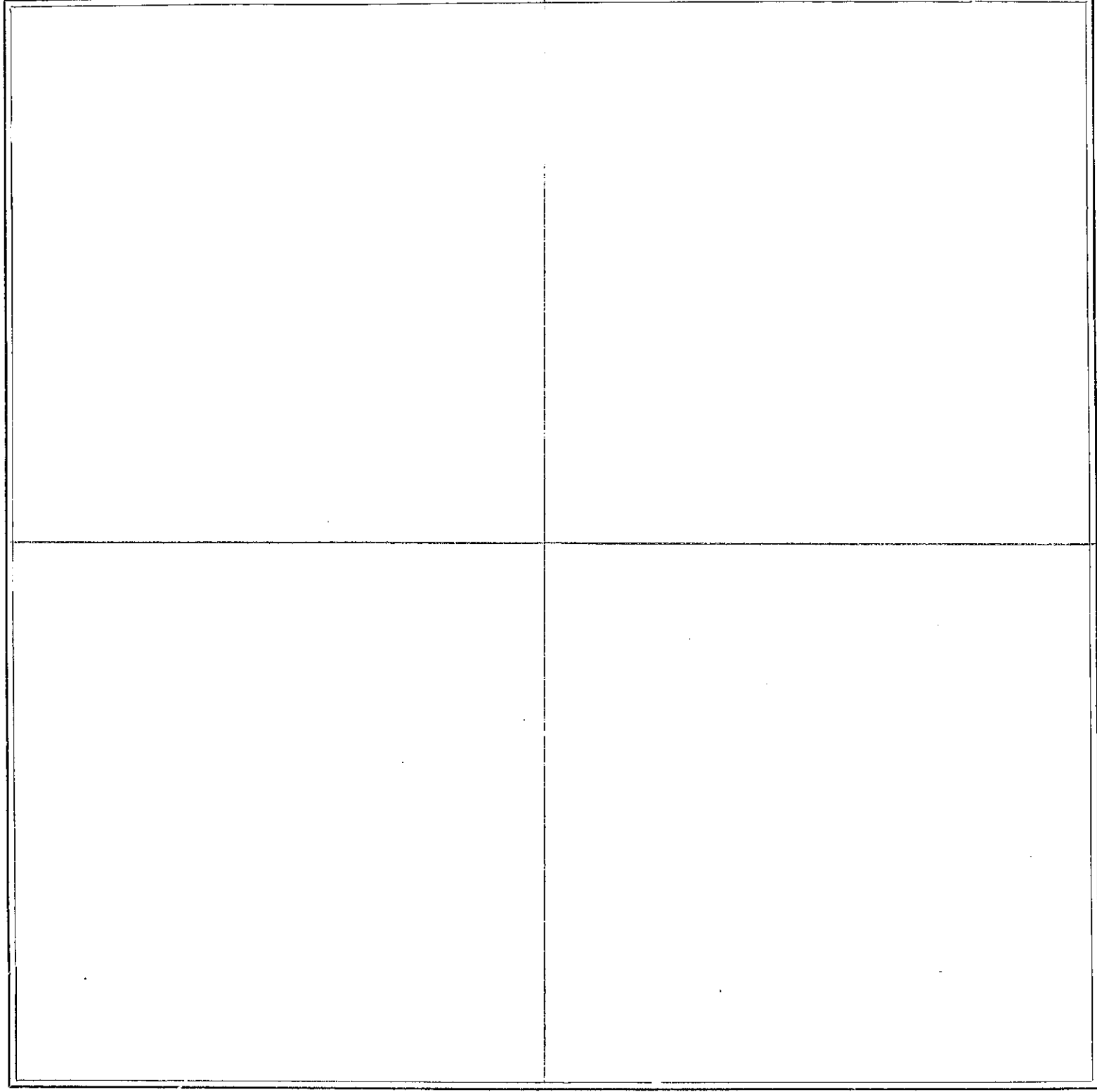
1 N SECT 10 N 33: N $46^{\circ} 26'$ W 46.65 feet to the 10 inch oak; thence East 33.80; thence South 32.13 ft to n.e. corner.

We get the length of the line between sections 3 and 4, by triangulation across the lake in the north half mile and find the total length to be 556.57, 25' via the section line and as the meander course nears the both lost and the 44 gone the entire side is straight.

5278.02 ft. W.S. chain = 556.57, 25' ft my chain being 284.23 ft. too long or .00-44 1/2 of a foot long in each foot.

Temporary 44 corner at 2640.00 North goes North 143.67 feet to 2783.67 North of the corner to sections 3, 4, 9 & 10, at which point we place the true 1/4 corner between sections 3 and 4. T 44, (P 28, being a 3x3x16 inch oak hub).

At the corner to sections 2, 3, 34 and 35 on the town line between 744 and 45 N, Range 28 W, W.S. call for post and White Pine 10 inch, N 8° E 63 links Beech 8 inch N 25° W 70 links



FIELD NOTES.

section corners at the 14 corners between sections 3 and 34 we find the stumps of both old c.s. bearing traces of some which the river & divide for the trees & corners set by 1802. (From the old 1807, a compass and mark inside have gone to show.)

1 inch poplar 1 33° 30' E 44.70 ft. 100° at W 64.16 ft. corners turned from the trees. Top lines E & W. at a point 14.00 ft. West of the 14 corner we find a 24-170 inch mark for reference point. The magnifying examination by the town line at this point is 70° 30' E.

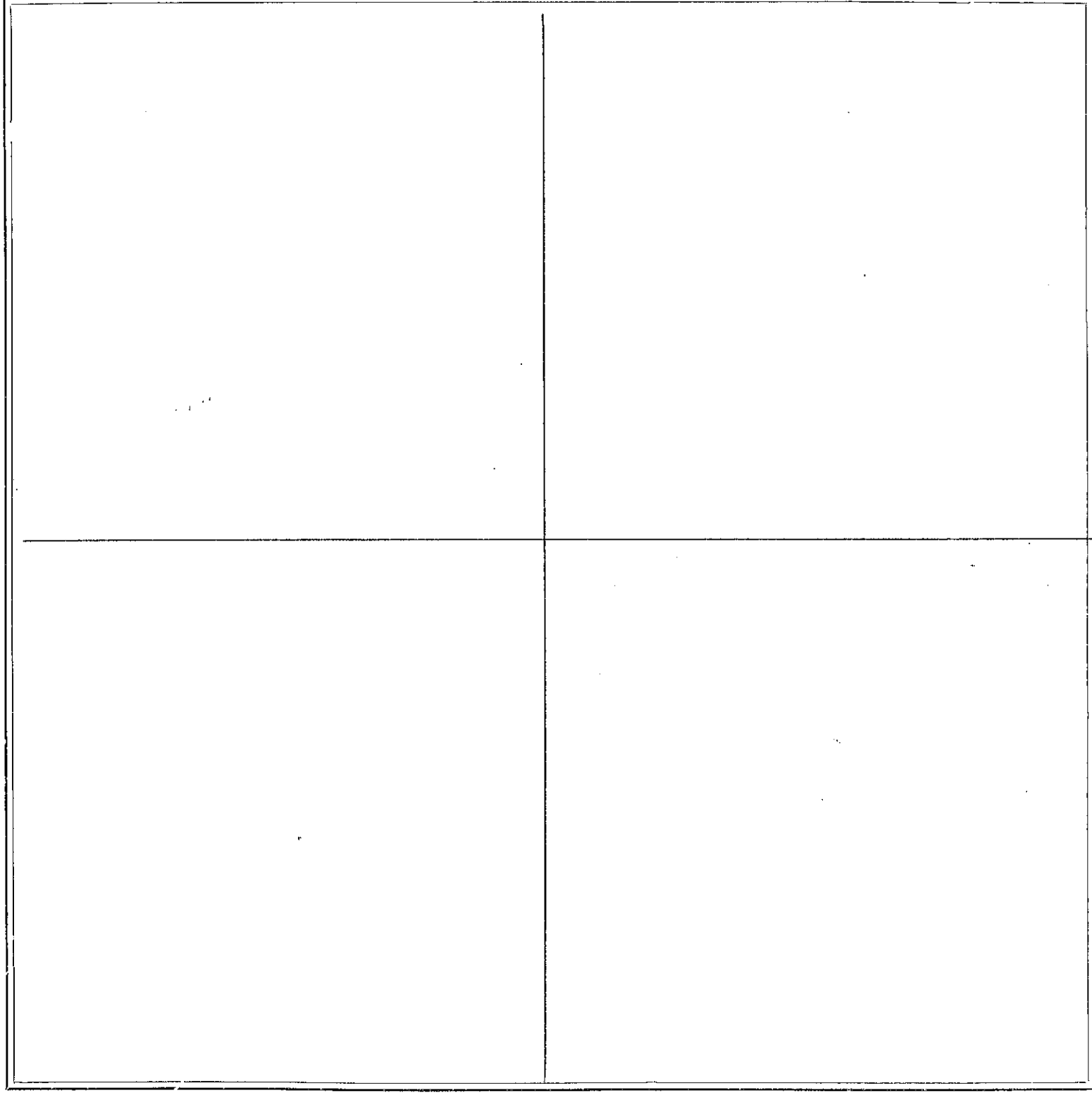
10.00 measured as near a round section was found the entire miles in all point sides of the section is straight the inside the two sections 3 and 3, also 3 and 10. and also 3 and 34 if straight its entire length.

Beginning at the 14 corner on the N side of 3 and 34, 28. W. corner South is long the staked road 10.00 ft. from corner on the South side and at the point you set a stake on the line brought here for the town CENTER OF SECTION 3, 744, 28, from which we see

Section

Town

Range



FIELD NOTES.

a line of bushes and tall stakes marked road
about half a mile West to the 14 corner between
sections 3 and 4.

In the length of the mile between sections 3 and 4
is 306.40 feet between the 14 corner between
sections 3 and 10, T44 R28 on a straight line
and half way between being 2053.10 ft.
was in the line bearing trees as follows:
(1) 2000 in ch. N 44° 14' E. 34.81 ft. (2) 8° var.

Joining at the 14 corner between sections 3 and 4
T44 R28, we run a line West to the 14 corner
on the West side of section 4, and find distance
to be 1271 feet with trees well set chained
with a bunch of 60 ft. This road coming from the
intersection to the main graded road at a point
near the center of section 4.

The survey was made with an engineer
transit in perfect adjustment and a 300 foot
steel tape, checked to within 1/1000 of an inch - all measurements
are for the station. The corner was established by straight

lines. The corner was monument and chained existing
corner. The problem is in determining the
location of the 14 and 10 corner for the corner

SURVEY No. 149

Section _____ Town _____ Range _____

| | |
|--|--|
| | |
| | |

FIELD NOTES.

my transit and chained with Gordon and
they up the wagon assisting him as shown.
The rest of the crew who helped at various
times in breaking cutting, chaining and so on
were: Henry (Gordon), Bert T. (Gordon), Geo. L. (Hill),
a Cliff (Gordon) and Geo. E. (Hill).

Surveyed August 26th. to Sept. 16th. 1918. Checked
Sept. 20th. 1919.

Recorded April 24, 1920.

John H. Cress,
County Surveyor
Craw Mining Co. Minn.