

SURVEY & REMONUMENTATION

MAR 13 2000

STATE OF MICHIGAN EMMET COUNTY

99 DEC 28 AM 9:36

SECTION

LAND CORNER RECORDATION CERTIFICATE Filing Requirement of Act 74, Mich. P.A. 1970

For corners in

Glenn B. O'Neill REGISTER OF DEEDS

EMMET (County) Located In: LITTLEFIELD TOWNSHIP Corner Code # H-5

1. Public Land Survey ECRP # 43 T 35N R 4W

2. Property Controlling in Section S T R 3. Miscellaneous Property in Sec. S T R

4. Lot No. , Recorded Plat

5. Private Claims

BOOK A PAGE 327

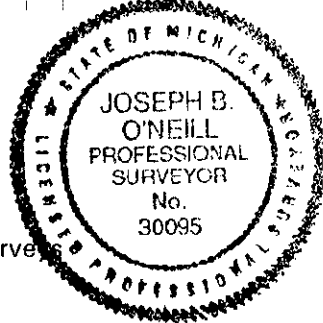
Register of Deeds Stamp & File Number table with columns A-M and rows 1-13

I, Joseph B. O'Neill, in a field survey on December 8, 1999 do hereby certify that under requirements of P.A. 74, Michigan P.A. of 1970, the corner points mentioned in lines 1 and 2 above were in conformance with regulations and rules therefore as required in the current manual of survey instructions of the United States Department of the Interior, Bureau of Land Management or by a decree of a Court of Law and /or that the corner points mentioned in lines 3, 4 and 5 above were in conformance with the rules of the Michigan Board of Land Surveyors or by a Decree of a Court of Law; established, re-established, monumented, re-monumented, recovered, found as expressed below:

NOTE: Not more than 4 corners, all in the same town and range, may be recorded on this certificate.

A. Description of original monument and accessories and/or subsequent restoration:

- 1840 - set post
1894 - S.G. Main notes found corner, but states position is unverified
1896 - Heyden sets cedar stake at pro-rated east-west position
1897 - 2nd pro-rated corner set by Keep 70' east of Heyden's position, not accepted in later survey
1898 - Swift finds corner and runs south
1921 - Wilcoxon notes found corner for County road construction
1956 - Schweigert notes found iron pipe in road.
1961 - T. Miller reports pipe was buried deep, sets concrete monument by E-W occupation fences and N-S blacktop
1970 to present - concrete monument used by several local surveyors
\* See attached chronology for additional detail



B. Description of corner evidence found and/or method applied in restoring or reestablishing corner:

Found concrete monument in monument box set by Miller in 1961. Excavation performed in this area. The 1956 iron pipe was not found, was probably destroyed as part of the late 1950's road work. Found 1" square iron along side of the concrete monument. Accepted as true position.,

My retracement indicates this position matches well with Heyden's 1896 position, and matches well with subsequent surveys. See December 8, 1999 land corner record of the SW of Section 10 for additional detail which relates to this corner.

Witnesses found: N 52°E 47.13 tag 27463 SE. face Power Pole
N 68°W 40.44' tag 3920 NE. face 6"cedar

C. Description of monument for corner and accessories established to perpetuate locating the position of the corner:

The 1961 found monument and the 1" square iron bar was removed. I set a 2" diameter, 30" long, PVC pipe with a base magnet and a standard brass Emmet County Survey Remonumentation Program Cap, inside of a monument box, in a paved roadway. This position is accepted as a careful and faithful perpetuation of the position of the original corner.

Witnesses set:
S 67°E 103.65' tag 30095 NE face 14" tamarack
S 55°W 58.41' tag 30095 SE. face 6" cedar
N 43°W 80.12' tag 30095 SW face 3" spruce

APPROVED LAND CORNER P.A. 345 OF 1990 Emmet County R.E. DELKE ECRP REP.

Signed by [Signature] Date December 8, 1999
Surveyor's Michigan License No. 30095

MAR 13 2000

SECTION

EMMET COUNTY REMONUMENTATION PROGRAM  
CORNER NO. 43

35-4-H5  
T35N R4W 10/15 1/4  
BANWELL & ARMOCK

Date	Surveyor	Found	Witnesses	Notes
-1840	GLO	Set post		N18°W, 38lks, 9" tamarack; S39°E, 43lks, 6" cedar
-1894	Main	Found corner but makes note that he did not verify position.		Ran N-S 1/4 line sec. 15.
-1896	Heyden	Set cor. @ prorated position.		Ran several sections in area.
-1897	Keep	Set cor. @ prorated position.		Reran line between secs. 10 & 15. Keep uses a substantially different position for the SW corner of Section 10, notes discrepancy from Heyden's corner. Does not appear to have accepted by subsequent surveyors.
-1898	Swift	Found corner and ran N-S 1/4 line of sec. 15.		
-1921	Wilcoxon	Drawing shows found corner for ECRC road construction.		
-1956	Schweigert	Found iron pipe in CL road.		
-1961	Miller	Notes that due to recent road construction, the iron pipe is lost. He sets a concrete monument with Emmet Co. standard marker cap at n-s c/l of roads, fits with e-w fences.		N53°E, 46.4', power pole N80°E, 113.5', 24" elm N65°W, 39.2', 6" cedar
-1970	G.E. Young	Found Emmet Co. standard marker.		
-1976	L. Feindt	Found Emmet Co. standard marker.		N53°E, 47.12', power pole S65°E, 103.48', 9" tamarack N66°W, 39.15', 4" cedar
-1978 to present		numerous surveys which call for Emmet County standard marker.		

SURVEY &  
REMONUMENTATION

MAR 13 2000

SECTION

LAND CORNER RECORDATION CERTIFICATE  
Filing Requirement of Act 74, Mich. P.A. 1970

For corners in

EMMET

(County)

Located In:

LITTLEFIELD TOWNSHIP

Corner Code #

H-5

LIBER

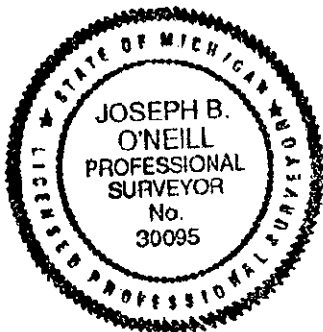
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PAGE

329

1. Public Land Survey  
ECRP # 43

T 35N R 4W



Register of Deeds Stamp & File Number

APPROVED LAND CORNER  
P.A. 345 OF 1990  
Emmet County  
R.E. CEWIS  
ECRP. REP.

Page 2 Of 2

West Alanson Corner Remonumentation Project Report

Project Area:

The project area was defined by the Emmet County Remonumentation Committee, and contains 2 disputed original government corners in Section 10 of Littlefield Township, being G4 (west ¼ of section 10) and G5 (southwest corner of section 10). The project also includes G3 (northwest corner of section 10), H5 (south ¼ of section 10) and I5 (southeast corner of section 10).

Object of the Survey:

To retrace and re-establish the position of the 1840 Government Land Office survey position of the mile and ½ mile posts listed above, integrating historical records with current measurements, computations, and site observations. This report focuses on corners G4 & G5.

Historical Overview:

1840 The section corners were set in 1840 by the Government Land Office surveyors as part of the United States original land patenting process. The government surveyors were paid by the mile, and the quality of their work varied depending on the area. In Emmet County, the work done in the southern part of the county appears to be better than the northern part, which may be partially due to the amount of swamps and lakes in the north which made the work more difficult. Immediately south of here at Pickerel Lake there were Government surveys found to be fraudulent, and were re-surveyed by the Federal Government in 1922.

When checking the call for the crossing of the Crooked River between G5 and H5, the distance given was in error to the extent that the number was either fabricated or mis-noted. The historical perspective of the 1840 surveys is important on this project as the direction and distances along the section lines vary substantially in many cases from what is measured today.

1882 The plats of *Map of the Village of Alanson* and *August Bonz's Addition to the Village of Alanson* were surveyed in 1882 by Hartzler, and were partially based on corner G4.

1883 The plat of E.R. White's Addition surveyed by Heyden, based on corner G4 and G5.

1896 Heyden, while performing extensive survey section work, determined that corner G5 was either lost or never set in 1840, and re-established the corner by a double proportion type of method from found corners ½ mile west, ½ mile north, 1 mile east, and a meander corner 1800 feet south. This position had the effect of moving the section line substantially west of where his 1883 plat indicated.

1897 Keep, while performing section retracement work in this area, publicly disagreed with Heyden's position for G5, choosing to use what appears to be the 1883 plat alignment, and mentions that he finds 3 cedar stakes in a row near corner G5. Keep notes Heyden's corner discrepancy, and sets a second corner ½ mile east (H5). Keep's call to the river fits well, and Heyden's and Keep's work harmonizes well with respect to their measurements assuming both used the same position for G4 and I5. I find no evidence of Keep's corners G5 or H5 on the ground, and note that Keep's position for G5 or H5 was not subsequently used or accepted.

1898 Swift, while performing section retracement work in this area, accepts Heyden's position for G5.

SURVEY &  
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MAR 13 2000

SECTION

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PAGE 330

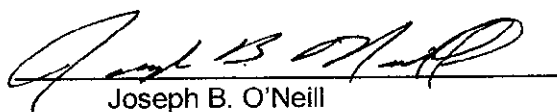
**West Alanson Corner Remonumentation Project Report (Cont'd)**

- 1902 Bound plat book of county shows discrepancy of the section line between G4 and G5, Heyden's and Keep's lines.
- 1905 Plat of *E.W. White's 3rd Addition* surveyed by S.G. Main, fits into the 1882 plat of *Map of the Village of Alanson*, Alignment fits Keep's section line, but may have been a pragmatic solution as this plat interjects into the 1882 plat.
- 1913 Plat of *Map of Evergreen Park* surveyed by S.G. Main shows discrepancy of the 2 section lines between G4 and G5, and ties to plat monumentation indicate acceptance of Heyden's line.
- 1914 Plat of *McKune's Addition to the Village of Alanson*, establishes 1/8 line which appears to fit Heyden's line.
- 1956 Schweigert performs a survey for Alanson Schools, sets a 3rd position for G5, and a 2nd position for G4. He bases G5 on a found cedar stake, and attempts to set G4 midway on a straight line to G3, but apparently has a taping error of 100 feet.
- 1961 Schweigert performs an Alanson survey, finds discrepancy with his 1956 position of G4, notes possible bearing tree alive nearby, but does not adjust or reset corner G4 or G5.
- 1965 - 1999 Several surveys by Green, Trowbridge, Swenor, and others which utilize the 1956 corners. Some note that there appears to be conflicts and question the position of G4 and G5.

Conclusions

G4 The position of G4 appears to be consistent from 1882 to 1914, and I have determined that this position (which currently was not monumented on the ground) is the best evidence of the 1840 corner. The 1956 position of this corner by Schweigert, in place today, has no historical merit based on my research. The re-establishment of this corner is based upon retracing the plats from the 1800's in conjunction with analyzing distances measured in the 1890's. The potential bearing tree was cut, but counting the rings indicates that the tree was 6" in diameter in 1840, vs. 11" as called for, and no evidence of scribing was found. The corner was set 60' +/- east of the 1956 position. See the accompanying drawing for further detail.

G5 The position of G5 was clearly in dispute in the late 1890's. However, based on subsequent pre-1956 surveys as well as the position of Banwell Road, Keep's position was never accepted and used. The 1956 position of this corner by Schweigert, in place today, has no historical merit based on my research. The re-establishment of this corner (Heyden's) is based upon retracing the plats from the 1800's in conjunction with analyzing distances measured in the 1890's. The corner was set 90' +/- west of the 1956 position. See the accompanying drawing for further detail.

  
Joseph B. O'Neill

Surveyor's Michigan License No. 30095

December 8, 1999

