

Land Corner Recordation Certificate
Attachment B to 2018 Annual Grant Agreement
Authority: MCL 54.205 and R54.202

This form is ONLY for corners filed under the 2018 State Survey and Remonumentation Grant Agreement

Filing Requirement: MCL 54.268(2)(a), 54.268(2)(d), 54.201 – 54.210d and 2018 State Survey and Remonumentation Grant Agreement

Notes:

- No more than two Original Public Land Survey Corners can be recorded on this certificate
- If a corner reported hereon is common to two or more survey townships, each Town, Range and Corner Code for the corner may be identified on this certificate
- If a corner reported hereon is common to two or more counties, each county may be identified on this certificate and a copy of this certificate filed with the Register of Deeds in each county

For corner(s) in: Missaukee County Pioneer, Norwich – W, Forest & West Branch Twps.

Corner Type	Survey Township				Corner Code											
Original Public Land Survey Corner	T 24N R 7W				M13	1	A	B	C	D	E	F	G	H	I	J
	T 24N R 6W				A13	2		6		5		4		3		2
	T 23N R 7W				M1	3										1
	T 23N R 6W				A1	4		7		8		9		10		11
Property Controlling Corner	S 36 T 24N R 7W				near M13	5										
	S 31 T 24N R 6W				near A13	6		18		17		16		15		14
	S 1 T 23N R 7W				near M1	7										
	S 6 T 23N R 6W				near A1	8		19		20		21		22		23
Protracted Public Land Survey Corner	T R					9										
	T R					10		30		29		28		27		26
	T R					11										
	T R					12		31		32		33		34		35
	T R					13	A	B	C	D	E	F	G	H	I	J
	T R															

Part A: Corner(s) History

M13-A13-M1-A1 – Township corner common to Sec. 36, T24N, R7W, Sec. 31, T24N, R6W; Sec. 1, T23N, R7W and Sec. 6, T23N, R6W

- 1838 – GLO – Set post – J. Brink; 1) Beech 8" N67°W 41 L.; 2) Beech 16" S52°E 15 L.
- 1874 – B. C. Bonnell – Sec. 31 (24-6) Survey – 39.75 to 'A12'
- 1889 – CSR – FB #14, p. 61 & Teed FB #125, p. 54 – Perpetuated. Drove a Hemlock stake 2 feet long 4 ½" in diameter level with the surface and placing broken china around stake.
- 1892 – CSR – FB #14, p. 62 – Sec. 1 (23-7) survey. See page 61 – 'G'. 39.55 to 'L1', 35.52 to 'M2'.
- 1895 – CSR - FB #15, p. 60 - Hemlock Stake 2 ft. long 4 ½" in diameter level with surface. Placing broken china around.
- 1909 – CSR – Pioneer FB, p. 46-49 – J. G. Cavanagh – Remonumentation of Township. Planted gas pipe set in concrete. 3) Sugar 6" N37 ¼°E 81; 4) Beech 6" N35½°W 69½; 5) Sugar 20" S35½°W 30
- 1911 – CSR – FB #14, p. 77 – Sec. 1 (23-7) Survey – E. A. Beuthien – 'A' – see Pioneer. 40.14 to 'L1'; 35.92 to 'M2'.
- No Date – FB #35, p. 47 [combination of 1892 & 1909 Data] – stake, stone & cement block. 1909 Wits repeated.
- No Date – CSR FB #14 (23-7) p. 43, and FB #32 (24-6), p. 32 – 1909 Wits repeated.
- 1972 – Record Survey – L. 1, p. 24 to 27 – L. L. Cavanagh (PS # 17614) – Set ½" x 18" steel rod; 6) Power pole N60°E 43.14'; 4) 22" Beech N40°W 43.0'
- 1972 – Rec. Survey – L. 1, p. 28 – L. Cavanagh – ½" x 18" Bar

#### Part A (Continued): Corner(s) History

- **1980** – DNR working drawing & field notes – Fd.  $\frac{1}{2}$ " rerod. Also found Cavanagh mon. 1'+ deep and pieces of broken crockery. Raised w/  $\frac{5}{8}$ " rerod. 2.30' E &  $0.45 \pm 0.02$ ' S (2.35' diagonal) from  $\frac{1}{2}$ " rebar. Removed J. G. Cavanagh monument. C. F. Roser Note: " Accepted Larry Cavanagh (RLS #17614) Cert. of Survey for South line of Sec. 36, T24N-R7W, for following reasons: (a) Larry's S $\frac{1}{4}$  & SE fit fence south from position of E  $\frac{1}{8}$  Cor.; (b) Larry's SE was set from 1- 1909 J. G. C. Wit & he didn't find his actual mon. which was 0.4' – S & 2.3' – E; to change Larry's Survey now would up-set a lot of work – not worth it; (c) Accepted Larry's S  $\frac{1}{4}$  Cor. for reasons (b) and also there is an old May 1911 E. A. Beuthien Sur. of Sec. 1 (23-7) that indicates the Twp. Line (N. line S-1) as being a straight line; See brown field book at Co. Rd. Comm. 1 T23N-R7W, Page 77. (also fits center E-W Road better)"
- **1981** – LCRC #634 – C. F. Roser (PS # 12028) – Fd. and accepted  $\frac{1}{2}$ " x 18" rod per L. Cavanagh. Larry apparently set corner from one 1909 J. G. Cavanagh wit.; 6" Beech N35 $\frac{1}{2}$ °W 45.9'. Fd.  $\frac{1}{2}$ " x 18" rod replaced w/  $\frac{5}{8}$ " x 36" rerod w/ RLS cap. 4) 26" Beech N30°W 44.53'; 7) 6" Maple S50°W 53.68'; 8) 28" Maple S22°E 61.40'; 9) Set Cedar post w/ loc. tag N45°E 47'. Corner falls in Center E-W gravel road. Center Trail Rd. S is E 6'±.
- **1997** – DNR Survey Project # FM-06-93- C. Kiiskila – 1981 Dept. Cor. of record. Retracement Survey T23N, R7W.
- **1997** – Remon. LCRC #1178 – J. D. Geers (PS #33977) – Fd. iron recorded in L. 1, p. 634 Corner in centerline E-W road. Set Missaukee Co. Monument on existing iron. 10) S45°E 47.3' – 3" Maple; 11) N27°W 45.97' – 20" Maple; 12) N20°E 53.43' – 4" Basswood; 13) S62°W 47.01' – 16" Maple
- **2002** – Rec. Survey – L. S-4, p. 171 – J. K. Autenrieth (PS # 31588) shows corner
- **2007** – (1997) Rec. Survey L. S-5, p. 38 – P. D. Case (PS # 30079) Fd.  $\frac{5}{8}$ " bar and cap 1'± S of centerline E-W Road and 3'± West of Trail Rd. to South – 8) Fd. nail in SW side 33" Maple S20°E 61.45' 14) Fd. spike in SW Cor. 4 x 4 wood post S18°E 37.03'; 13) Fd. spike N side 14" Maple S64°W 46.95'; 9) Fd. nail in SE side DNR Loc. Post N41°E 46.76'; 4) Fd. 26" Beech Stump N29°W 44.05' – Center.; 15) Set nail SW side 20" Beech N04°W 59.57

#### Part B: Surveyor's Report on Perpetuation or Monumentation of Corner(s)

**M13-A13-M1-A1** – Township corner common to Sec. 36, T24N, R7W, Sec. 31, T24N, R6W; Sec. 1, T23N, R7W & Sec. 6, T23N, R6W – Reset J. G. Cavanagh position per previous ties in DNR Survey notes. Could not accept Roser's reasoning for removing this historical survey corner monument. During excavation 2.5' down found pieces of broken white china. Set stamped 2 $\frac{1}{2}$ " Brass Cap on  $\frac{5}{8}$ " x 34" rebar with 4" x 10" Plastic tile with concrete around cap. Cap down 0.8'. Fits remains of witness #4. Centerline of E-W gravel road is 0.5' N. Centerline of Trail Road S. is 1.5'± East. Witnesses # 1, 2, 3 & 5 are gone; #6 through 15 are not applicable to this position. 2  $\frac{1}{2}$ " Brass Cap accepted as a careful and faithful perpetuation of the position of the original corner.

- **PCC near M-13-A13-M1-A1**: This position had been graded out due to lowering of road grade in this area. Reset Cabin spike per record LCRC #1178 witnesses. Spike is N78°55'W 2.35' from "M13-A13-M1-A1". This position has been used by L. Cavanagh, Roser, Kiiskila, Geers, Autenrieth, Case and possibly others. Cabin spike at L. Cavanagh position not utilized as "M13-A13-M1-A1" in this survey. This property controlling corner is recorded by this surveyor strictly to comply with the requirements of P.A. 74 of 1970 as amended and P.A. 345 of 1990 as amended and is not an endorsement of the corner position.

#### Part C: Field Evidence of Perpetuation or Monumentation of Corner(s)

**M13-A13-M1-A1** – Township corner common to Sec. 36, T24N, R7W, Sec. 31, T24N, R6W; Sec. 1, T23N, R7W & Sec. 6, T23N, R6W – Stamped 2  $\frac{1}{2}$ " Brass Cap on  $\frac{5}{8}$ " x 34" iron rebar with 4" x 10" long plastic tile with concrete around cap – Down 0.8'. Placed found broken china back in hole as memorial.  
N35°W 46.14' to set  $\frac{1}{2}$ " x 18" rebar in centerline remains 24"+ Beech stump (#4)  
N30°W 47.16' to Fd. nail in W. side 35" Sugar Maple  
N45°W 131.34' to SE Corner Block House  
N14°E 53.11' to set nail & tag at fd. nail in W. side 10" Basswood  
S80°W 48.70' to fd. nail in N. side 16" Sugar Maple  
N50°E 45.75' to Fd. nail in SE side Cedar witness post  
N78°55'W 2.35' to PCC near M13-A13-M1-A1

- **PCC near M13-A13-M1-A1** – Cabin spike. N27°W 45.97' – 35" Maple; N20°E 53.43' – 10" Basswood; S62°W 47.01' – 16" Maple; S78°55'E 2.35' to M13-A13-M1-A1 – 2  $\frac{1}{2}$ " Brass Cap.

Land Corner Recordation Certificate  
Attachment B to 2018 Annual Grant Agreement  
T 24N R 7W Code M13  
T 24N R 6W Code A13  
T 24N R 7W Code M1  
T 24N R 6W Code A1  
T 24-23N, R 7-6W Code PCC near M13-A13-M1-A1  
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Date of Observation	Latitude	Longitude	Datum and Adjustment Year	Epoch Date
M13-A13-M1-A1 06/21/2018	N44°25'23.7496"	W85°05'45.1151"	NAD83(2011)	2010.00
Set by conventional sideshot and distance checks from 3 GNSS Control points. Each control point has 2 GNSS Static baselines from 2 Local OPUS base stations adjusted by Least squares				
PCC near M13-A13-M1-A1 05/05/2018	N44°25'23.754"	W85°05'45.147"	NAD83(2011)	2010.00
2 Static GNSS Baseline from 2 local OPUS base stations adjusted by Least squares				

I, Craig W, McVean, in a field survey on 06/21/2018, certify under the requirements of the State Survey and Remonumentation Act, 1990 PA 345, MCL 54.261 to 54.279, and the Corner Recordation Act, 1970 PA 74, MCL 54.201 to 54.210d, that the corner(s) identified and described hereon has been perpetuated or monumented as described in Parts A, B, and C above, pursuant to the laws and rules of the State of Michigan.

Craig W. McVean  
Craig W. McVean  
Professional Surveyor's License No.: 39088  
Michigan Dept. of Natural Resources,  
8015 Mackinaw Trail, Cadillac, Michigan, 49601

12/18/2018  
Date



I, J. Dean Geers, state that the corner(s) identified and described hereon and perpetuated or monumented as described in Parts A, B, and C above was presented to and reviewed by the Peer Review Group on Dec. 11, 2018 and is accepted for filing in the Missaukee County Remonumentation Program.

J. Dean Geers  
J. Dean Geers  
Professional Surveyor's License No.: 33977

Date