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KATHRYN M. NORBY
CASS COUNTY RECORDER

BY SR Dep TX#: 129624

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CERTIFICATE OF LOCATION OF GOVERNMENT CORNER

Index No. A.0 - 25.0

NE Corner of Section 1, Township 136, Range 31, 5 P.M.
STATE OF MINNESOTA, County of CASS

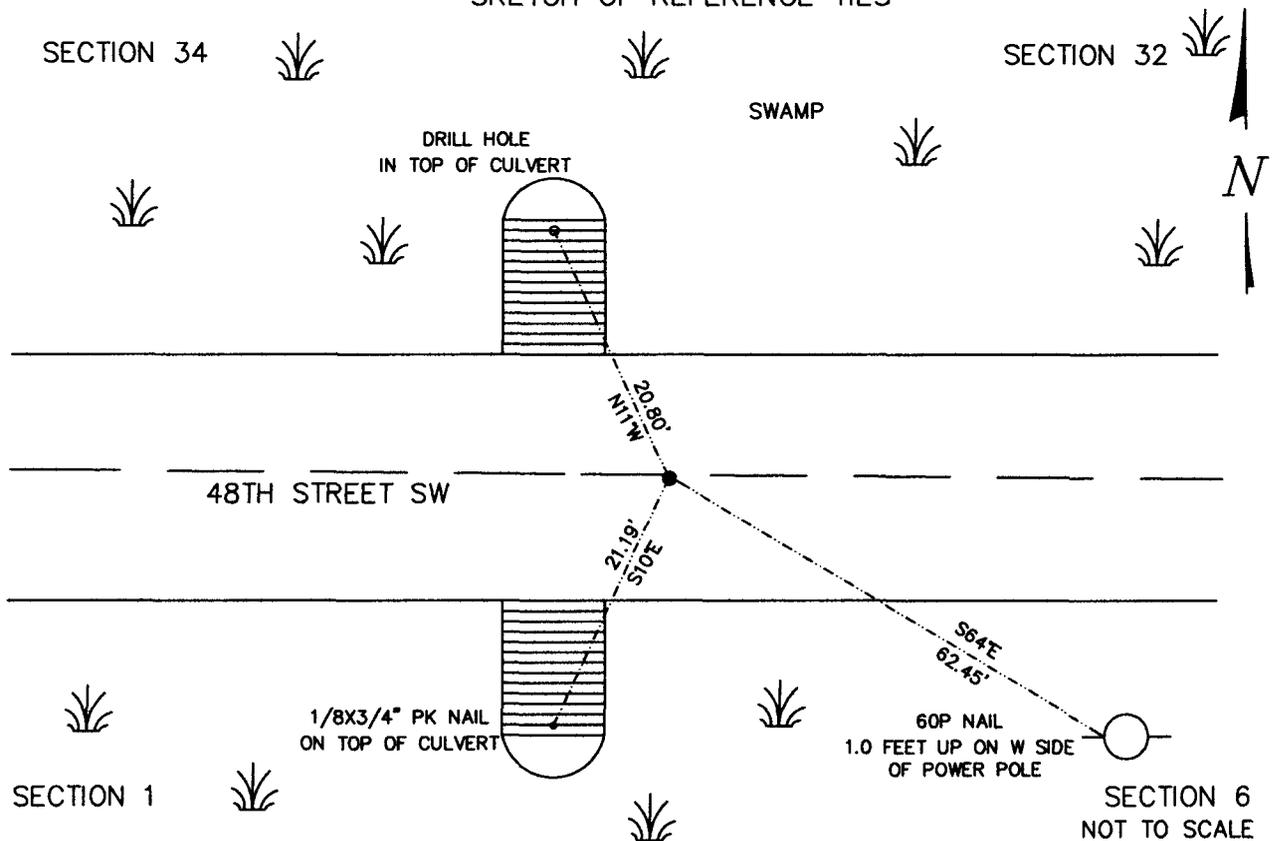
At the corner location shown on the sketch:

On NOVEMBER 23, 2015 found a 1/2" PIPE LYING IN THE CENTERLINE OF 48TH STREET SW AND 0.5' BELOW THE SURFACE
date OF THE GRAVEL ROAD

left monument as found, lowered monument, removed monument (explain)

On _____ date placed a _____

SKETCH OF REFERENCE TIES



Statement of evidence relative to this corner location is on back of this page.

I hereby certify that this document was researched and prepared by me or under my direct supervision.

SIGNATURE [Handwritten Signature]

DATE 11-23-2015 Registration No. 45334

Title: Land Surveyor Professional Engineer County Surveyor County Engineer



A.0 – 25.0

The Northeast Corner of Section 1, Township 136 North, Range 31 West of the Fifth Principal Meridian, Cass County, Minnesota, was established as part of the Original Public Land Survey during 1858. The Original Public Land Survey was done by E.D. Atwater U.S. Deputy Surveyor. The Original monumentation was a set wood post to mark this corner position with the following bearing trees:

- 5" Tamarack S 30°E – 17 links (11.22 feet)
- 6" Tamarack S 30°W – 21 links (13.86 feet)

Information on file in the MN Historical Society, St. Paul, MN. Copies in file in the Cass County Highway Dept. Surveyors Office (CCHD/SO).

On November 28, 1908, John Curo resurveyed Moose Lake Township and travelled west from the north quarter corner of 6-136-30 to the NE corner of 1-136-31 where the government notes called for a post. Both original bearing trees were gone. He set a 4 x 4 66" tamarack post proportionally with no bearing trees near. Survey Record Book B pages 140-157, Curo Book 085 page 260.

Information on file in CCHD/SO.

On December 7, 1908, John Curo resurveyed Moose Lake Township and set a 5 1/2 foot 4x4 tamarack post marked " True NW COR 6-136-30" in the meadow with no bearing trees available. Survey Record Book B pages 140-157, Curo Book 085 Page 260.

Information on file in CCHD/SO.

In October 1909, the township road order shows no survey of the NE corner of 1-136-31.

Information on file in CCHD/SO.

In 1911, A.W. Moulster located set post, and set 1 1/4x48" galv. iron pipe with no bearing trees near. Corner is shown 5338.02 feet east of the NW corner of Section 1. Survey Record Book A pages 456-464, Curo Book 50 pages 106, 114 & 135.

Information on file in CCHD/SO.

In 2003, Bruce Grivna of Westwood Professional Services set 1/2"x14" iron pipe with cap embossed with LS 17253. Pipe was set 5338.02 feet east of a 2" iron pipe in concrete found at the NW corner of Section 1, using a line between said NW corner of Section 1 and the NE corner of Section 6, Twp. 136N, Range 31W. Position fits closely centerline of road and ditch to south.

Information on file in CCHD/SO.

In 2011, Westwood Professional Services, Inc. found 1/2" pipe capped embossed with LS 17253 in place. Set a 5/8" x 24" rebar with 3.5" cap in the same location as found pipe. Accepted Grivna monument based on being set at an obliterated position based on 1911 Moulster information. Located set monument with a 20 minute static GPS observation and verified with a VRS GPS observation. Analysis of the recovered data, field evidence and survey measurements, indicates that the monument found by Westwood is the accepted location for this corner. File in the Office of the Cass County Recorder, Document #A000583786.

Information on file in CCHD/SO.

On November 23, 2015 a Survey Mapping Solutions, Inc. (SMS) survey crew located 1/2 inch pipe lying in the centerline of 48th Street SW and 0.5 feet beneath the surface of the gravel road. SMS survey crew found that cap placed by Chris Hogle was destroyed.

The recovered and established references for the position are shown on the face of this document. Analysis of the recovered data, field evidence and survey measurements, indicates that the monument set by Bruce Grivna (#17253) is the correct perpetuation of this corner.

Contacts pertaining to this corner are as follows:

- Cass County Recorder's Office
- Cass County Surveyor's Office
- Cass County Engineer's Office
- Westwood Professional Services
- KLD Land Surveying
- Bogart, Pederson & Associates Inc.
- MN DNR, Division of Lands and Minerals, Survey Section
- MN DOT District Surveys Office in Baxter

Section Corner observed by GPS

Datum: Cass County South Coordinates
Geodetic Position NAD 83 (1996 HARN Adj.)

N = 273173.281
E = 486513.541