



A000610259

OFFICE OF THE COUNTY RECORDER
CASS COUNTY, MINNESOTA
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KATHRYN M. NORBY
CASS COUNTY RECORDER

BY MW Dep TX#: 121589

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Twp 138 Rge 32 Index No. E.0-01.0

CERTIFICATE OF LOCATION OF GOVERNMENT CORNER

Northwest corner of Section 7, Township 138 N., Range 32 W., 5th P.M.
State of Minnesota, County of Cass.

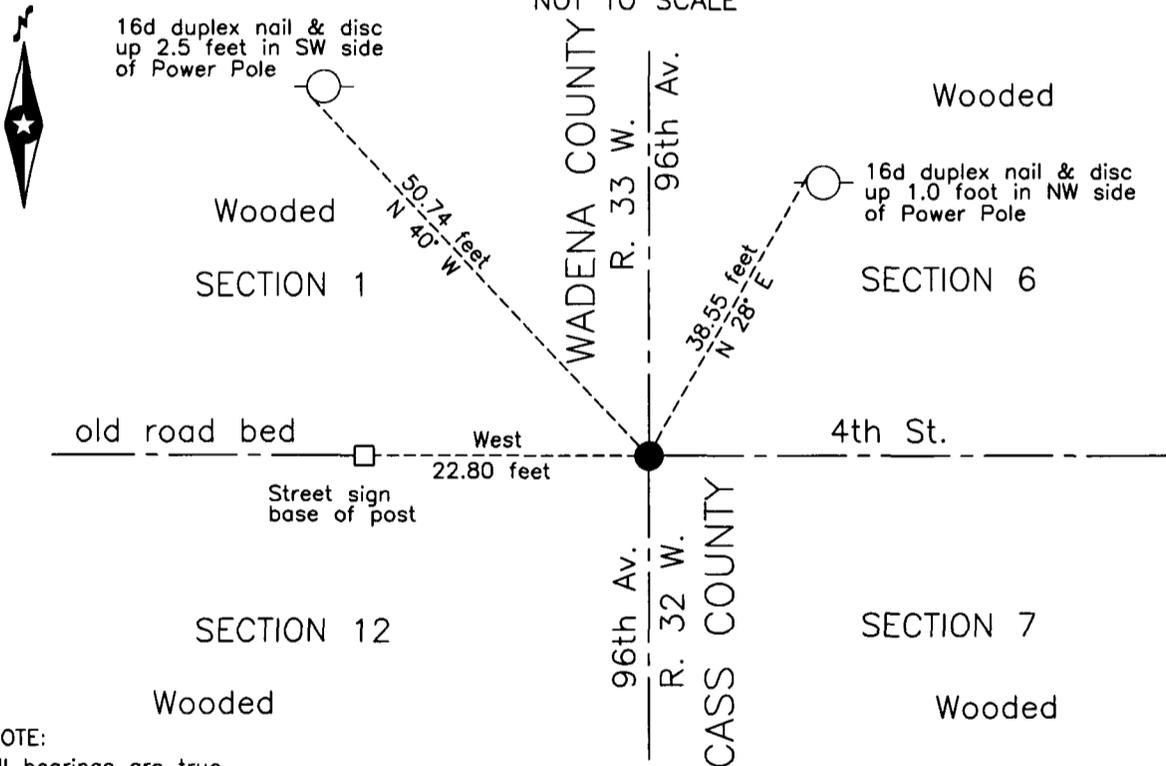
At the corner location shown on the sketch:

On 22 Aug 2014 found a rebar, capped LS 23046, down 0.2 feet, approximately
5 feet south and 4 feet east of the intersection of road centerlines.

left monument as found lowered monument removed monument (explain)

On 22 Aug 2014 placed _____ accessories for the corner as shown below.

SKETCH OF REFERENCE TIES
NOT TO SCALE



NOTE:
All bearings are true

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

I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the State of Minnesota.

I further certify that this United States public land survey monument record is correct and complete to the best of my knowledge and belief.

Robert L. Kovanen

Date 3/13/15 MN License No. 16459



Index No. E.0-01.0

Statement of Evidence

Northwest corner of Section 7, Township 138 North, Range 32 West, 5th Principal Meridian.

- Dec. 1860 J. Myers, General Land Office (GLO) Deputy Surveyor in the survey of the range line set a post for the original corner and referenced it as follows:
 9" P. Pine S 78 1/2° E 252 links (166.32 feet) 7" P. Pine N 44° W 126 links (83.16 feet)
 12" P. Pine N 35° W 219 links (144.54 feet) 5" P. Pine S 30° W 337 links (222.42 feet)
 The original plat and above record are archived at the Minnesota Historical Society, St. Paul, Minnesota, copies are filed with Cass County Highway Department/Surveyor's Office and Wadena County.

- 1916 Minnesota Plat Books – 1916, on file at the John R. Borchert Map Library of the University of Minnesota (U of MN Map Library), indicates different owners in all quadrants and a road to the west at the subject corner.

- Aug. 1939 Air photo BXQ-1-87, available at the Minnesota Department of Natural Resources and the U of MN Map Library was georeferenced and positioned under the Northwestern Surveying and Engineering, Inc. (NWSE) working drawing. Roads are evident north, south, east and west in the vicinity of the subject corner. Any GLO feature calls were compared to measurements on the photo.

- May 1944 J.W. Curo, LS 1428, Curo Field Book B, page 19, on file in Cass County Highway Department/Surveyor's Office, states "Intersect narrow straight roads N – S & West Drive 60 d spike for approx cor – can't be a foot either way Road grade runs East but too crooked on West end". Page 33 graphics indicate a "60 d spike in CL roads. No ties". The record shows the spike was used in placing the Northwest corner of Section 18 equidistance and on line between said spike and the Northwest corner of Section 19. The resulting mile distances were each 5305.2 feet.

- Nov. 2004 Bryan Hippen, Cass County Surveyor's Office technician, in the Township 138 Range 32 Field Book on file at the Cass County Highway Department/Surveyor's Office, recovered and located a capped monument. The notes state, "Cap RLS 23046, down 0.2, 5'± S. of 4th St, 4'± E. of 96th". No reference ties were established. The position of the monument was collected with a global positioning real time kinematic receiver with the base station set on control point Hubbard 832-6.

- Aug. 2014 NWSE, Robert Kovanen, LS 16459, reviewed existing data and determined that the monument recovered by Cass County in 2004 was 0.3 feet west and 0.2 feet north of a single proportionate lost placement over the 3 miles between the Northwest corner of Section 6 and the Northwest corner of Section 19.

- Aug. 2014 NWSE crew of Walker-O'Beirne and McLellan searched the corner vicinity and found a rebar, capped LS 23046. The monument, together with the recovered and established references for the position, is shown on the face of this document.

Analysis of the recovered record data, field evidence and survey measurements, indicates that the monument recovered in 2014 by NWSE is the accepted location of this corner.