

# CERTIFICATE OF LOCATION OF GOVERNMENT CORNER

## West Quarter Corner of Section 30 Township 51 North, Range 15 West, 4th P.M.

STATE OF MINNESOTA, COUNTY OF SAINT LOUIS

On May 4, 2015, found a(n): Cast Iron Monument in place  
for corner. Prior to road work, obtained SLCTM 96 coordinates with  
GPS-VRS and measured to found ties of record.

- left monument as found
- removed monument (explain)
- lowered monument
- raised monument

On Nov. 10, 2015, set a(n): 6" Aluminum Capped Rebar for  
corner by blending ties previously measured. Also confirmed position  
with GPS/VRS.

(reserved for recording data)

See "Statement of Evidence" for further details (on back)

GPS I.D.: 233 Co. Proj. No.: 5063

**SEC. 25**

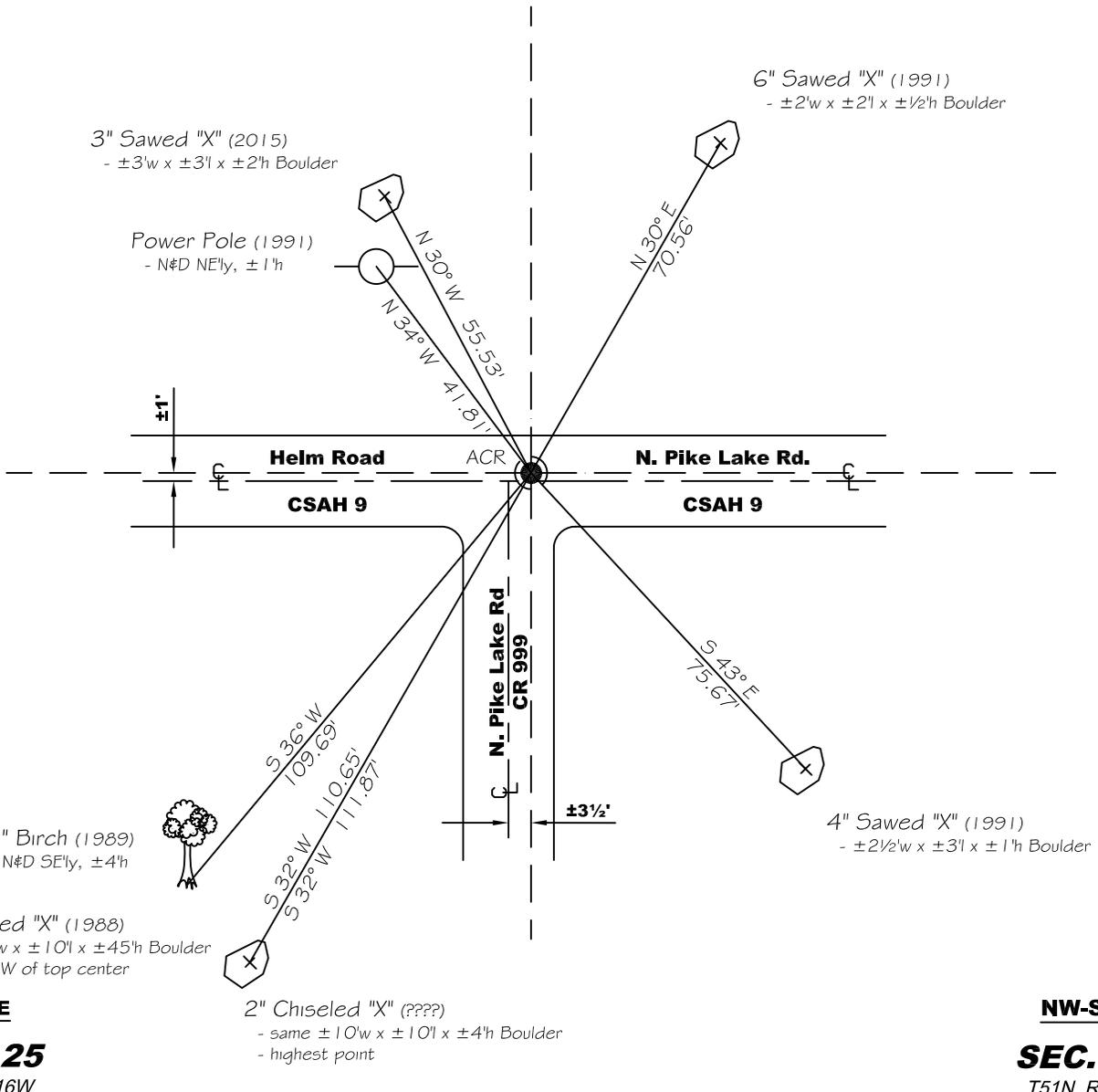
T51N R16W

**SEC. 30**

T51N R15W

SE-NE

SW-NW



NE-SE

NW-SW

**SEC. 25**

T51N R16W

**SEC. 30**

T51N R15W

### "SKETCH OF REFERENCE TIES"

(not to scale - bearings are magnetic)



Ties are measured to center of monument unless otherwise noted.

UNITS =  Metric  English

**NAD 83 (1996 Adjustment)**

Latitude (N): 46°52'21.26109"  
Longitude (W): 92°18'06.36772"

SLCTM 96 Northing: 3374205.749  
Easting: 4794285.564

I hereby certify that this document and the data contained herein  
was prepared by me or under my direct supervision.

License No. 43806

signature

date

- County Surveyor
- Deputy County Surveyor
- Professional Land Surveyor

drawn by: slc

Index No.: T-1(2)

BLM: T51NR15W100240

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Statement of Evidence

**West Quarter Corner, Section 30, T. 51 N., R. 15 W.**

**November 20, 1991**

A "CERTIFICATE OF LOCATION OF GOVERNMENT CORNER", Document Number 0534220, was recorded in the OFFICE OF COUNTY RECORDER, St. Louis County, Duluth, Minnesota. This document was approved and submitted by Robert C. Busche (LS 17360), County Surveyor, on August 29, 1991 and recorded with Index Number "T-1(1)".

- For earlier information on this corner, see this document -

**October 5, 1994**

Drawing shows a Cast Iron Monument (CIM) in place for corner. No ties given. Certificate also shows multiple monuments.

**Corner Reference(s):**

East: CW1/16 Section 30 (Iron Monument) 1362.40'  
 C1/4 Section 30 (Nail inside Iron Pipe) 2685.11'

Private Survey File<sup>1</sup> #94-279 51-15(2)  
 CERTIFICATE OF SURVEY  
 Section 30-51-15  
 Duane A. Kyrola (LS 18877)

**February 9, 2005**

Found a Cast Iron Monument (CIM) for corner, flush, with three ties:

[1991] Power Pole (N&D NE'ly side) N 39° W 41.82'  
 [1988] W. Birch Stub (dead, tag, nail NW side) N 28° E 57.23'  
 [????] 2" Chiseled "X" on 10' Rock (high point) S 29° W 111.91'  
 -2 colors of paint on "X", re-chiseled

Searched Rock SW for another cross, and found:

[1988] 4" Sawed "X" on 10' Boulder (near high point) S 29° W 110.67'

Did not search for any other ties due to the snow pack.

**Collected GPS coordinates on CIM as found using RTK (SLCTM96), PN 233.**

N = 3374205.749  
 E = 4794285.564

- centerline of N. Pike Lake Road running south and east
- centerline of Helm Road running west

Project 5063<sup>1</sup>, R15W Corner Book<sup>1</sup> #4, page 143  
 C. Larsen and T. Hanson; PWD / Land Survey Division  
 Robert C. Busche (LS 17360), County Surveyor

**May 4, 2015**

Found a Cast Iron Monument (CIM) in place for corner.

- ± flush with asphalt road surface
- ± 1' north of C/L Helm Road (CSAH 9) West
- ± 1' north of C/L North Pike Lake Road (CSAH 9) East
- ± 2.5' east of C/L North Pike Lake Road (CR 999) South

Found the following ties:

[1988] Triple Birch stump (W'ly of triple, measured to center) N 40° W ±68.7'  
 [1991] Power Pole (Nail & Disc NE'ly, ± 1'h) N 36° W 41.82'  
 [1991] 6" sawed "X" sawed in 2' x 2' x 6"h Boulder N 29° E 70.57'  
 [1988] Birch stump (measured to center) N 30° E ±57.4'  
 [1991] 4" sawed "X" sawed in 2.5' x 3' x 1'h Boulder S 42° E 75.68'  
 [1988] 3" sawed "X" in 10' x 10' x 4'h Boulder  
 -approximately 2' WSW from top center S 28° W 110.64'  
 [????] 2" chiseled "X" in 10' x 10' x 4'h Boulder (same Boulder)  
 -approx. 1.3' beyond the sawed "X", highest point S 28° W 111.87'  
 [1989] 11" Birch (found nail overgrown min. of 0.1', in old scar)  
 -set new N & D at approximate squeal, SE'ly, ± 4'h S 34° W 109.72'

Established new ties:

3" sawed "X" in ± 3' x ± 3' x ± 2'h Boulder N 33° W 55.52'

Acquired coordinate position of found CIM w/GPS (VRS-SLCTM96), PN 10.

N=3374205.809  
 E=4794285.571

PN 10 checked within GPS survey tolerance to the February 9, 2005 PN 233 coordinate position.

- pulled CIM prior to upcoming road project

**Corner Reference(s):**

West: W1/4 Section 25-51-16 (CIM, PN 8-2006) 5269.20'  
 NW'ly angle of 91°07'13"  
 North: NW Section 30 (ACT, PN 21-2006) 2647.80'  
 NE'ly angle of 89°12'15"  
 East: E¼ Section 30 (CIM, PN 11-2005) 5344.39'

R15W Corner Book<sup>1</sup> 10, pages 1-2  
 R16W Corner Book<sup>1</sup> 7, pages 18-19  
 w/o<sup>1</sup> 241306, North Pike Lake Road (CSAH 9)  
 Paul Lund and Tom Ocel; PWD/Land Survey Division  
 Todd M. Hendershott (LS 43806), Deputy County Surveyor

Index No.: T-1(2)

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Statement of Evidence

**West Quarter Corner, Section 30, T. 51 N., R. 15 W.**

**November 10, 2015**

The road construction on North Pike Road (CASH 9) is now complete. Set a new 6" long Aluminum Capped Rebar (ACR) in place for corner by blending ties as follows:

[1991]	Power Pole (Nail & Disc NE'ly, ±1'h)	N 34° W	41.81'
[2015]	3" sawed "X" in ±3' x ±3' x ±2'h Boulder	N 30° W	55.53'
[1991]	6" sawed "X" sawed in 2' x 2' x 6"h Boulder	N 30° E	70.56'
[1991]	4" sawed "X" sawed in 2.5' x 3' x 1'h Boulder	S 43° E	75.67'
[1988]	3" sawed "X" in 10' x 10' x 4'h Boulder		
	-approximately 2' WSW from top center	S 32° W	110.65'
[????]	2" chiseled "X" in 10' x 10' x 4'h Boulder (same Boulder)		
	-approx. 1.3' beyond the sawed "X", highest point	S 32° W	111.87'
[1989]	11" Birch (N & D SE'ly, ±4'h)	S 36° W	109.69'

Acquired coordinate position of set ACR w/GPS (VRS-SLCTM96), PN 1010. N=3374205.799  
E=4794285.536

PN 1010 checked within GPS survey tolerance to the May 4, 2015 PN 10 coordinate position.  
PN 1010 checked within GPS survey tolerance to the February 9, 2005 PN 233 recorded position.

- ±0.02' below asphalt road surface
- ±1' north of C/L Helm Road (CSAH 9) West
- ±1' north of C/L North Pike Lake Road (CSAH 9) East
- ±3.5' east of C/L North Pike Lake Road (CR 999) South

R15W Corner Book<sup>1</sup> 10, pages 1-2  
R16W Corner Book<sup>1</sup> 7, pages 18-19  
w/o<sup>1</sup> 241306, North Pike Lake Road (CSAH 9)  
Paul Lund and Tom Ocel; PWD/Land Survey Division  
Todd M. Hendershott (LS 43806), Deputy County Surveyor

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1. Found in the St. Louis County Surveyor's Office; Duluth, Minnesota  
2. Found in the St. Louis County Recorder's Office; Duluth, Minnesota

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