

File **2014-00014136**

SLSI 9-94  
BHCO 03-09

Land Survey Monuments situated in Section 15 , Township 90 N ,  
Range 11 W , of the Fifth Principal Meridian, BLACK HAWK County, Iowa.  
Previously recorded in Misc. Book 337 , Page 840 , in County Recorder's Office.

(Show reason for preparing this certificate): The corner monument has been Replaced or Modified, per Ia. Code 355.11(1)(c)

(Evidence and detailed procedures used in establishing the corner position(s) and monumentation found or placed.)

Monument Description and Remarks: N.E. COR.

CORNER RESET & TIES UPDATED PER PAVEMENT WIDENING AND H.M.A. RESURF. PROJECT LFM-1601--7X-07. PRIOR TO RESURF. PROJECT, FOUND CUT "X" IN P.C.C. PAVING PER CURRENT RECORD AND TEMP. REF. COR. LOCATION PER RTK GPS. AFTER 6" P.C.C. CRACK & SEAT, NO EXCAVATION @ REF. COR. LOCATION. PVMT. RESURFACED w/ +5" (3.5" BASE & 1.5" SURF.) H.M.A. PAVING. AFTER H.M.A. RESURFACE, RESET CORNER WITH 6"L. MAG SPIKE w/ MTL. WASHER (PLS #15748) LOCATED @  $\pm 0.75'$  SOUTH OF H.M.A. JOINT AND ALIGNED  $\pm 1.0'$  WEST OF REMNANT FENCELINE TO NORTH.

BHco Hist. Ties: BK. #1003 p.15 T90-R11

"NOT TO SCALE"

FIELD BOOK: Ties per Topcon 7003i #Z0115

(Show a minimum of three reference ties to durable physical objects, relevant monuments and physical conditions that will enable recovery of the corner.)

- 1.) TIES PER EDM MEASURE IN EITHER PRISM "OR" NON-PRISM MODE, WHILE UTILIZING "INDIRECT" MEASURE, WITH ALL DISTANCES PLUMB/HORIZ. (HD), UNLESS DENOTED.

- 2.) SECTION LINE MEASURE REFERS  
TO "LOCAL GROUND" DIST. AND  
INCLUDES ELLIPSOIDAL (COMBINED)  
SCALE FACTOR FROM S.P.C. GRID  
INVERSE (AS OBSERVED, PER AVG.  
SCALE FACTOR = 1.00097098292)

FND. "X" NAILS @ N.E. FACE  
FNC. POST @  $\pm 3.3'$  HT.  
ALSO FND. BRASS TAG #8033  
@ S. FACE FNC. POST @  $\pm 2.2'$  HT.

37.73'  
(37.44' BHco R.)

-38.09'  
(37.91' R.)

FND. "X" NAILS @ S. FACE  
COR. POST @  $\pm 1.5'$  HT.

-33.90'  
(33.73' R.)  
(33.75' BHco R.)

178°45'05"(M<sub>1</sub>)

C.L. CEDAR-WAPSI RD.

2641.12' (M.)  
(WPA N/A)

CEDAR-WAPSI RD.  
(HMA)

2683.20' (M.)  
(vs. 2684.0' WPA 1941)  
(vs. 2683.23' P.)

N. 1/4 COR.  
SECT. 14-T90-R11  
(per Updated Cert.)

N. 1/4 COR.  
SECT. 15-T90-R11  
(per Updated Ce

RES. ENTR.  
(GRAVEL)

SET MAGNAIL w/WASHER @  
E. FACE P.P. @  $\pm 2.6'$  HT.

GATE POST

RES. #10944

**S.P.C., Ia. N. Zone, USft**

$$N = 3689538.72$$
$$E = 5292388.69$$

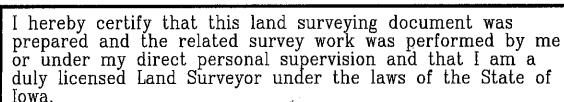
CONVERGENCE =  $0^{\circ} 56' 04''$

(NAD83-NA2011 IA. RTN OBS.)

FIELD SURVEY: S.S. & G.T. 08/28/13

PREPARED BY: S.S. & G.T. 11/19/13

### LIST CORNERS TO BE INDEXED



Geoffrey Allen Tinker 01/22/2014  
Geoffrey Allen Tinker (date)

License Number 15748

My license renewal date is December 31, 2014

Pages or sheets covered by this seal:

This Land Corner Certificate Only.

<u>Corner</u>	<u>Section</u> -	<u>Township</u> -	<u>Range</u>
N.E. Cor.	15	90 N	11 W
N.W. Cor.	14	90 N	11 W
S.E. Cor.	10	90 N	11 W
S.W. Cor.	11	90 N	11 W

## INDEX OF ABBREVIATIONS

(M)	= "Measured" Dimension	"NP" = Reflectorless EDM Meas.
(P)	= "Platted" Dimension	"MLM" = Indirect Measurement
(R)	= "Record" Dimension	"CM" = Concrete Monument
(C)	= "Calculated" Dimension	"SM" = Survey Marker Spike/Tag
(GS)	= Iowa Geodetic Survey	"PK" = PK/MAG Nail Brand Style
"WPA"	= Works Progress Admin. Survey	
"Φ"	= per George Miller Survey (BfCo Surveyor 1858-1860)	
"B"	= per John Ball Survey (BfCo Surveyor 1866-1891)	
"N"	= per Nathan Barber Survey (BfCo Surveyor 1906-1931)	