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Kind: CORNER  
Recorded: 12/05/2012 at 01:41:53 PM  
Fee Amt: \$0.00 Page 1 of 1  
Black Hawk County Iowa  
JUDITH A MCCARTHY RECORDER  
File 2013-00011522

PREPARED BY: \*BLACK HAWK COUNTY ENGINEERS OFFICE  
316 E. FIFTH STREET, ROOM 211 WATERLOO, IOWA 50703

PH.# (319) 833-3008  
FAX.# (319) 833-3139

SLSI 9-94  
BHCO 03-09

UNITED STATES PUBLIC LAND SURVEY CORNER CERTIFICATE OF  
Land Survey Monuments situated in Section 7, Township 90 N,  
Range 14 W, of the Fifth Principal Meridian, BLACK HAWK County, Iowa.  
Previously recorded in Misc Book 324, Page 771, 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. 1/4 CORNER  
CORNER RESET & TIES UPDATED PER H.M.A. RESURF. PROJECT LFM-503--7X-07. PRIOR TO  
RESURF. PROJECT, FOUND 5/8" (#5) REBAR PER CURRENT RECORD AND TEMP. REF.  
COR. LOCATION PER RTK GPS. AFTER 1.5' DEEP MILL & REFILL w/INTERMED. COURSE H.M.A.,  
NO SOUNDING REMAINING @ LOCATION. AFTER ADDITIONAL 1.5' H.M.A. SURFACE COURSE,  
RESET CORNER WITH 5/8" (#5) x ±8'L REBAR LOCATED @ ±0.5' EAST OF H.M.A. JOINT AND  
ALIGNED ±0.7' SOUTH OF H.M.A. JOINT TO EAST.

### PLAN VIEW

"NOT TO SCALE"

BHco Hist. Ties: BK. #1003 p. 7 T90-R14

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 ELLIPSOID (COMBINED) SCALE FACTOR FROM S.P.C. GRID INVERSE (AS OBSERVED), PER AVG. SCALE FACTOR = 1.000093804492.

SET CUT "X" @ TOP  
S.W. WINGWALL

(P.) = To C.N.  $\frac{1}{16}$ th Corner  
per Plat of Survey  
File #2010-0001126  
Also refer to ADDITIONAL  
Record Meas. per Survey  
in File 2013-00000118

CENTER  
SECT. 6-T90-R14  
(per Updated Cert.)

UTIL. FND. U.S.G.S. MON. @ BASE S.E.  
W. WALL/CURB TO CENTER "+"

(P.) = To Center Sect. #6  
per Plat of Survey  
Fee Bk. #2003-20198

178°52'53" (M.)

55.24'  
(55.25' BHco R.)  
(55.26' R.)

UTIL. FND. "X" NAILS  
@ N.-N.E. FACE  
P.P. @ ±3.5' HT.

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

N = 3693484.11

E = 5178606.77

CONVERGENCE = 0° 38' 53"

(NAD83-NSRS2007 "BHco07", RTK OBS.)

2647.91' (M.)  
(vs. 2646.99' P. & WPA N/A)

16.1'L

95.42'  
(95.60' BHco R.)  
(95.56' R.)

51.00'  
(50.92' BHco R.)  
(50.95' R.)

47.51'  
(47.48' R.)

UTIL. FND. "X" NAILS @ N.W. FACE  
P.P. @ ±2.1' HT.

OLD CONCRETE WALL

UTIL. FND. U.S.G.S. MON. TO CENTER  
POINT (BROKEN)

C.N.  $\frac{1}{16}$ th CORNER  
SECT. 7-T90-R14  
(per Updated Cert.)

FIELD SURVEY: S.S. 9/11/12

PREPARED BY: S.S. & G.T. 12/5/12

### CERTIFICATION

I hereby certify that this land surveying document was prepared and the related survey work was performed by me or under my direct personal supervision and that I am a duly licensed Land Surveyor under the laws of the State of Iowa.

*Geoffrey Allen Tinker* 12/05/2012  
Geoffrey Allen Tinker (date)

License Number 15748

My license renewal date is December 31, 2012

Pages or sheets covered by this seal:

This Land Corner Certificate Only.

### LIST CORNERS TO BE INDEXED

Corner	Section	Township	Range
N. 1/4 Cor.	7	90 N	14 W
S. 1/4 Cor.	6	90 N	14 W

### INDEX OF ABBREVIATIONS

(M) = "Measured" Dimension  
(P) = "Platted" Dimension  
(R) = "Record" Dimension  
(C) = "Calculated" Dimension  
(GS) = Iowa Geodetic Survey  
(WPA) = Works Progress Admin. Survey  
(G) = per George Miller Survey (BHco Surveyor 1858-1860)  
(B) = per John Ball Survey (BHco Surveyor 1866-1891)  
(N) = per Nathan Barber Survey (BHco Surveyor 1908-1931)  
"NP" = Reflectorless EDM Meas.  
"MLM" = Indirect Measure  
"CM" = Concrete Monument  
"SM" = Survey Marker Spike/Tag  
"PK" = PK/MAG Nail Brand Style

