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Recorded: 10/10/2014 at 01:07:00 PM
Fee Amt: \$0.00 Page 1 of 1
Black Hawk County Iowa
JUDITH A MCCARTHY RECORDER

File **2015-00006302**

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

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SLSI 9-94
BHCO 03-09

UNITED STATES PUBLIC LAND SURVEY CORNER CERTIFICATE OF

Land Survey Monuments situated in Section 9 , Township 90 N ,
Range 13 W , of the Fifth Principal Meridian, BLACK HAWK County, Iowa.
Previously recorded in Fee Book 2005, Page 07353, 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: E. 1/4 COR.

CORNER RESET & TIES UPDATED FOR H.M.A. RESURF. PROJECT LFM-1307--7X-07. PRIOR TO RESURF. PROJECT, FOUND 1/2" (#4) Rbr. @ C.L. A.C.C. JOINT PER FEE BOOK# 2005-07353 AND TEMP. REF. COR. LOC. PER RTK GPS. AFTER 2" DP. MILL, NO SOUNDING REMAINED @ ± RTK REFERENCE LOCATION, w/ NO FURTHER EXCAVATION. PVMNT. RESURFACED w/ +3.5" (2" INT. & 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 @ ±0.20' WEST OF H.M.A. JOINT AND ALIGNED WITH EXISTING SOD FENCE TO WEST.

Corner ALS□ previously recorded in Fee Book (File) #2002-01657

Project Point #: 1003

PLAN VIEW

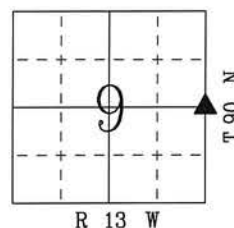
"NOT TO SCALE"

BHco Hist. Ties: BK. #1003 p.9 90-13

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 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 = 1.000096593273



FND. 'X' NAILS @
E. FACE P.P. @ $\pm 2.8'$ HT.
(FND. LOOSE AND NOT
CROSSED - REFRESHED)

-AG. CROPS- (59.85' R.)
(60.00' BHco R.)

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

$$N = 3691664.14$$
$$E = 5223513.49$$

CONVERGENCE = $0^{\circ} 45' 40''$

(NAD83-NA2011 IARTN OBS.)

N.E. COR.
SECT. 9-T90-R13
(per Updated Cert.)

63.94'
(64.00' R.)
(64.03' R.)
(64.08' R.)

FND. "X" NAILS @
W. FACE P.P. @ $\pm 1.3'$ HT.
(FND. LOOSE AND NOT
CROSSED - REFRESHED)

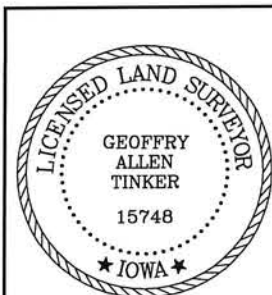
FND. "X" NAILS @
W. FACE P.P. @ $\pm 1.1'$ HT.
ABOVE R.R. SPIKE
(FND. LOOSE AND NOT
CROSSED - REFRESHED)
R.)

N.E. COR.
SECT. 16-T90-R13
(per Misc. 326 p. 482)

FIELD SURVEY: S.S. & G.T. 06/17/14

PREPARED BY: S.S. 10/7/14

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 10/10/2014
(date)

License Number 15748

My license renewal date is December 31, 2014

Pages or sheets covered by this seal:

This Land Corner Certificate Only.

LIST CORNERS TO BE INDEXED

<u>Corner</u>	<u>Section -</u>	<u>Township -</u>	<u>Range</u>
E. 1/4 Cor.	9	90 N	13 W
W. 1/4 Cor.	10	90 N	13 W

INDEX OF ABBREVIATIONS

(M) = "Measured" Dimension "NP" = Reflectorless EDM Meas.
(P) = "Platted" Dimension "MLM" = Indirect Measure
(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 (BHCo Surveyor 1858-1860)
"s" = per John Hall Survey (BHCo Surveyor 1866-1891)
"N" = per Nathan Barber Survey (BHCo Surveyor 1908-1931)