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Kind: CORNER
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Fee Amt: \$0.00 Page 1 of 1
Black Hawk County Iowa
JUDITH A MCCARTHY RECORDER
File 2013-00011525

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 18, Township 90 N,
Range 14 W, of the Fifth Principal Meridian, BLACK HAWK County, Iowa.
Previously recorded in Misc Book 294, Page 938, 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. CORNER:

CORNER RESET & TIES UPDATED PER H.M.A. RESURF. PROJECT LFM-503--7X-07. PRIOR TO
RESURF. PROJECT, FOUND 5/8" (#5) REBAR (vs. 3/4" PIN) 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 @ ±0.4' NORTH OF C.L.
H.M.A. JOINT, AND ALIGNED (±) WITH CENTERLINE SIDE ROAD TO SOUTH.

PLAN VIEW

"NOT TO SCALE"

BHco Hist. Ties: BK. #1003 p. 18 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 MAGNAIL w/WASHER
@ E. FACE P.P. @ ±3.0' HT.
(RECORD TIE NOT FOUND, PER
UPDATED P.P.).

FND. "X" NAILS @ S. FACE
FNC. POST @ ±1.2' HT.

SET MAGNAIL w/WASHER
@ E. FACE COR. FNC. POST
@ ±2.0' HT.

SET MAGNAIL w/WASHER
@ S.E. FACE P.P. @ ±3.0' HT.
(RECORD TIE NOT FOUND, PER
UPDATED P.P.).

N. 1/4 COR. (WPA C.M.)
SECT. 18-T90-R14
(per Misc. Bk. 340 p.888
& Misc. Bk. 341 p.340)

CEDAR-WAPSI RD.
(H.M.A.)

2641.16' (M.)
(vs. 2641.18' P. &
2641.8' WPA 1941)

2674.86' (M.)
(vs. 2674.92' P. &
2675.1' WPA 1941)

179°08'42"(M.)

N. 1/4 COR.
SECT. 17-T90-R14
(per Updated Cert.)

(P.) = To N. 1/4 COR. (18)
per Plat of Survey
Misc. Bk. 340 p.887

(P.) = To N. 1/4 COR. (17)
per Plat of Survey
Misc. Bk. 294 p.724

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

N = 3688270.36

E = 5181280.13

CONVERGENCE = 0° 39' 17"

(NAD83-NSRS2007 "BHCO07", RTK Obs.)

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

PREPARED BY: S.S. & G.T. 12/4/12

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 12/04/2012
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.E. Cor.	1	90 N	15 W
N.W. Cor.	6	90 N	14 W
S.E. Cor.	36	91 N	15 W
S.W. Cor.	31	91 N	14 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
"IGS" = Iowa Geodetic Survey "PK" = PK/MAG Nail Brand Style
"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)