



Doc ID: 004991600001 Type: GEN
Kind: CORNER
Recorded: 12/05/2012 at 01:42:54 PM
Fee Amt: \$0.00 Page 1 of 1
Black Hawk County Iowa
JUDITH A MCCARTHY RECORDER
File 2013-00011530

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 15, Township 90 N,
Range 14 W, of the Fifth Principal Meridian, BLACK HAWK County, Iowa.
Previously recorded in File 2010, Page 23568, 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 (5/8") REBAR PER CURRENT RECORD AND TEMP. REF.
COR. LOCATION PER RTK GPS. CORNER ALSO PREV. RECORDED PER CORNER CERT. IN MISC.
BK. 299 P. 599 OF CO. RECORDER RECORDS. AFTER 1.5' DEEP MILL AND REFILL w/
INTERMED. COURSE H.M.A., OBSERVED 5/8"x±5" L. REBAR @ RD. SURFACE BENT TO EAST.
REMOVED STUB REBAR WITH NO SOUNDING REMAINING @ LOCATION. AFTER ADDITIONAL 1.5'
H.M.A. SURFACE COURSE, RESET CORNER WITH 5/8" (#5)x±7" L. REBAR LOCATED @ 0.6'
SOUTH OF C.L. H.M.A. JOINT AT ± CENTERLINE WITH FORD RD. TO N/S.

PLAN VIEW

"NOT TO SCALE"

BHco Hist. Ties: BK. #1003 p. 15 T90-14
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.

(P.) = per Plat of Survey
File 2010-0023566.

(RES. #8029)

UTIL. FND. #4 RBR.
w/ D.P.C. #16264

N. 1/4 COR.
SECT. 15-T90-R14
(per 2010-00023567)

(90°20' P.)

180°
(2612.15 P. &
2613.3' WPA 1941)

1383.30' (M.)

P.I. (#5 Rbr.)
Δ=21°30'18"
R=1430.721'
L=537.00'
T=271.70'

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

N = 3688307.92

E = 5197103.79

CONVERGENCE = 0° 41' 40"

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

E. 1/4 COR.
SECT. 10-T90-R14
(RECORD WPA C.M.)

UTIL. FND. R.R. SPIKE @ W.
FACE COR. POST @ ±1.9' HT.

UTIL. FND. 16d NAIL @ TOP
OF BRACE POST.

179°32'39" (M.)

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

2635.28' (M.)
(vs. 2635.32' R. &
2635.3' WPA 1941)

N. 1/4 COR.
SECT. 14-T90-R14
(per Updated Cert.)

(R.) = per Plat of Survey
File 2012-0020786.

(RES. #7942)

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.E. Cor.	15	90 N	14 W
N.W. Cor.	14	90 N	14 W
S.E. Cor.	10	90 N	14 W
S.W. Cor.	11	90 N	14 W

INDEX OF ABBREVIATIONS

(M) = "Measured" Dimension
(P) = "Platted" Dimension
(R) = "Record" Dimension
(C) = "Calculated" Dimension
(IGS) = Iowa Geodetic Survey
(WPA) = Works Progress Admin. Survey
"e" = per George Miller Survey (BHco Surveyor 1858-1880)
"b" = per John Ball Survey (BHco Surveyor 1886-1891)
"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

