



Doc ID: 004989820001 Type: GEN
Kind: CORNER
Recorded: 12/04/2012 at 01:10:31 PM
Fee Amt: \$0.00 Page 1 of 1
Black Hawk County Iowa
JUDITH A MCCARTHY RECORDER

File **2013-00011396**

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 30, Township 87 N,
Range 11 W, of the Fifth Principal Meridian, BLACK HAWK County, Iowa.
Previously recorded in Fee Book N/A, Page N/A, in County Recorder's Office.

(Show reason for preparing this certificate): There is No Certificate for the corner on file with County Recorder, per
Ia. Code 355.11(1)(a).

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

Monument Description and Remarks: **C.W. 1/16th CORNER:**
CORNER RESET & TIES UPDATED PER H.M.A. RESURF. PROJECT (EXTENSION) TO BHCO. PROJ.
#LFM-1109--7X-07, WITH NO CURRENT CERT. OF RECORD. CORNER HIST. REFERENCED AS
PART OF PLAT OF SURVEY IN FILE 2012-006261 OF RECORD, IN ADDITION TO PLAT OF
SURVEY PER MISC. BK. 313 p.360 (PLS 12088). PRIOR TO RESURF., FOUND #5 REBAR (TOP
BENT DUE TO MILLING) AND TEMP. REF. CORNER LOCATION (TRUED) PER RTK GPS. AFTER
2" DEEP MILL (OF EXIST. ACC) & RESURF. w/+2.5" INTERMED. AND +2" SURFACE COURSES,
RESET CORNER WITH #5 (5/8") REBAR x ±6" L. LOCATED (±) IN N/S H.M.A. PAVING JOINT
AND ALIGNED (±) WITH EXISTING FENCE TO EAST OF CORNER. CORNER LOCATED @ 103.9'
NORTH OF P.T. (DISTANCE PER 1961 GRADING PLANS) FOR HORIZ. CURVE TO SOUTH.

PLAN VIEW

"NOT TO SCALE"

BHco Hist. Ties: Geom. 1961 Grading Plans
FIELD BOOK: TopSurv Proj. & 7000i #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 TO #5 REBAR PER RTK GPS
MEASURE, WITH REMAINING TIES PER
EDM MEASURE IN NON-PRISM MODE
WHILE UTILIZING "INDIRECT"
MEASURE. ALL DISTANCES ARE
PLUMB/HORIZ. (H.D.).

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 = 1.000070632223x
FROM GPS MON. #63 PUB. VALUES.
(GPS MON. #94-063 DESTROYED)

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

N=3582132.24'

E=5279122.54'

(NAD83-2007 "BHco07", RTK Obs.)

CURVE DATA:

Delta: 89°39' LT. (HELD)

D°Curve: 10°

R: 573.0' (HELD)

T: 569.5'

L: 896.5'

CH: 807.87' (C.)

L.P.C.

<---

51.14'
(50.0' P.)

580.77' (M)
(vs. 581.08' P.)
Misc. 336 p.863

FND. #4 RBR.,
O.P.C. #7811 @
N. FACE SQ. COR.
POST.

EQ. Sta. 44+65.3
= 43+44.8 Back
(1961 Grading)

807.87' as Reset
(806.81' Fnd.)

FND. 30d NAIL @
1.8' East of CALC.
P.C. per H.C. Data
& RESET per CALC.
CH. w/ PK & Washer.

W. 16th COR. (N.)
30-T87-R11,
per FILE #
2013-0010138

89°14'04" (M)
vs. 89°13'48" (P)
FILE #2012-006261

1332.10' (M.)
(vs. 1332.09' P.)

CENTER
30-T87-R11,
per FILE #
2012-008348

REF. TIE DETAILS:

"A" = FOUND SMALL (MINI) P.K. NAIL @
TOP OF FENCE END POST. ALSO REF.
FOUND DTD. NAIL w/SHINER LOC. S.W.
FACE @ 49.47', WITH ADDITIONAL FND.
"X" NAILS NEAR BASE NOT UTILIZED.

"B" = 2nd FNC. POST (UNSTABLE)

"C" = SET P.K. NAIL @ TOP OF FENCE POST.
ALSO REF. FOUND DTD. NAIL w/SHINER
LOC. S.W. FACE @ 69.71', WITH FND.
"X" NAILS NEAR BASE NOT UTILIZED.

FIELD SURVEY: G.T. & S.S. 11/30/12

PREPARED BY: 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.

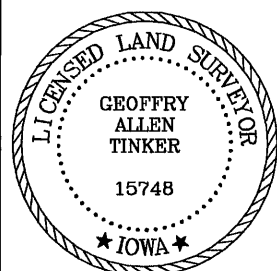
Geoffrey Allen Tinker 12/04/2012
Geoffrey Allen Tinker (date)

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
C.W. 16th	30	87 N	11 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)	