

004991580001 Type: GEN Kind: CORNER
Recorded: 12/05/2012 at 01:42:40 PM
Fee Amt: \$0.00 Page 1 of 1
Black Hawk County Iowa
JUDITH A MCCARTHY RECORDER

F11e 2013 - 00011528

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

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 <u>17</u> , Township <u>90 N</u> Land Survey Monuments situated in Section_

Range 14 W, of the Fifth Principal Meridian, BLACK HAWK County, Iowa. Previously recorded in Misc Book 333, Page 307, 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. CURNERI

CORNER RESET & TIES UPDATED PER H.M.A. RESURF. PROJECT LFM-503--7X-07. PRESURF. PROJECT, FOUND NAIL (±20d) PER CURRENT RECORD AND TEMP. REF. COR. LOCATION PER RTK GPS. AFTER 1.5" DEEP MILL & REFILL W/INTERMED. COURSE H.M.A., EXCAVATED TO ±0.35' DEEP AND FOUND NAIL WITH TOP SHEARED OFF AND REMOVED 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 @ ±2.3' NORTH OF C.L. H.M.A. JOINT AND ALIGNED ±2.0' WEST OF EXISTING FENCE LINE TO SOUTH.

PLAN VIEW "NOT TO SCALE"

BHco Hist. Ties: <u>BK. #1003 p. 17 T90-14</u>

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.)

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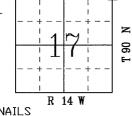
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ENTR

(GRAVEL)

TIES PER EDM MEASURE IN EITHER PRISM 1.) "OR" NON-PRISM MODE, WHILE UTILIZING
"INDIRECT" MEASURE, WITH ALL DISTANCES
PLUMB/HORIZ. (HD), UNLESS DENOTED. 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.



E. 1/16th (N.) COR. SECT. 17-T90-R14 (per Recorded Cert.) FND, RECORD "X" NAILS (NOT UTILIZED-FIELD ENTR. (GRAVEL)

FND. RECORD "X" NAILS (NOT UTIL.-POST UNSTABLE)

SET #5 (5/8) \times ±30" L, RBR, @ \pm TOP BACKSLOPE w/ T-POST N. 1/4 COR. SECT. 16-T90-141 (per Updated Cert.)

1342,82′ (M.) (vs. 1337,6′ WPA) (M.)2675.49' (M.) (vs. 2674.95' WPA 1941) 180°00'

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

SET #5 (5/8) x ±30" L. RBR. @ ± TOP BACKSLOPE w/ T-POST

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

1332.67'

±20 GATE 🗗 ∠ DECORATIVE FENCE _AG, CROPS-CHAINLINK FENCE

(vs. 1323.7' P./2 & 1324.21' P./1 & 1323.7' WPA 1941) 179°26′58*****(M) 179°59'36" (M.)

CEDAR-WAPSI RD. 2644,13' (M,) (VS. 2648.9' WPA 1941) 1323.69' (M,)

SET MAGNAIL w/ WASHER @ N.E. FACE P.P. @ ±3.7' HT.

W. 1/16th (N.) COR. SECT. 16-T90-14 (per File 2012-00008202)

1320,444 (.M)

Range

(P./2) = per Plat of Survey File 2011-0018847 (Feb. 2011) (P./1) = per Plat of Survey Misc. Bk. 218 p.005 (Feb. 1977)

FIELD SURVEY: PREPARED BY:

S.S. 9/11/12 S.S. & G.T. 12/4/12

<u>CERTIFICATION</u>



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

CONVERGENCE = 0° 40' 06"

N = 3688327.67

E = 5186629.68

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.

12/04/2012 (date)

<u>157</u>48

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 <u>Section</u> Township

14 W N.E. Cor. 17 90 N N.W. Cor. 16 90 N 14 W S.E. Cor. 8 90 N 14 W on N S.W. Cor. 9 14 W INDEX OF ABBREVIATIONS

"Measured" Dimension
"Platted" Dimension
"Record" Dimension
"Calculated" Dimension

"NP" = Reflectorless EDM Meas.
"MLM" = Indirect Measure
"CM" = Concrete Monument
"SM" = Survey Marker Spike/Tag
"PK" = PK/MAG Nail Brand Style

= Catculated Dimension SM = Survey Marker Sp. = lowa Geodetic Survey "PK" = PK/MAG Nail Brand = Works Progress Admin. Survey per George Miller Survey (BHco Surveyor 1858-1860) per John Ball Survey (BHco Surveyor 1866-1891) per Nathan Barber Survey (BHco Surveyor 1908-1931)