

Doc ID: 004623150001 Type: GEN Kind: CORNER Recorded: 11/03/2011 at 04:14:49 PM Fee Amt: \$0.00 Page 1 of 1 Black Hawk County Iowa JUDITH A MCCARTHY RECORDER

F11.2012-00008201

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

, 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 Fee Book 2005, Page 16204, 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. COR. N.W.1/4-N.W.1/4PRIDR TO H.M.A. RESURFACING PROJ. (#STP-S-C007(106)--5E-07), FOUND 5/8' REBAR PER
CURRENT RECORD & TEMP. REF. PER RTK GPS. HISTORICAL COUNTY ENG. TIES (AS NOTED, PREV. STA. 224+17.1) NOT REFERENCED IN CURRENT RECORD. EXISTING A.C.C. MILLED -2 W/ SOUNDING (FAINT) REMAINED @ ± RTK REF, LOC, AND NO FURTHER EXCAVATION DONE.

RESURFACED WITH +4" H.M.A. (2" INT. & 2" SURF.). AFTER H.M.A. RESURFACING, RESET

5/8"x±7"L, (#5) REBAR LOCATED AT ±0.60' EAST OF CENTERLINE PAVING JOINT AND

ALIGNED WITH ± C.L. OF SIDEROAD TO WEST. DEFL. (CORRELINE PRODUCED FOR 16th LINE TO N. & S. PER COGO OF RTK GPS MEAS, CORNERS (AS OBSERVED).

PLAN VIEW

55, 55, 533

26

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26,5

BHco Hist. Ties: BK. #1003 p. "G" T90-R14 FIELD BOOK: Ties per Topcon 7003i #Z0115 "NOT TO SCALE"

(Show a minimum of three reference ties to durable physical objects, relevant monuments and physical conditions

that will enable recovery of the corner.) TIES PER EDM MEASURE IN EITHER PRISM "OR" NON-PRISM MODE, WHILE UTILIZING "INDIRECT" MEASURE, WITH ALL DISTANCES PLUMB/HORIZ, (HD), UNLESS DENOTED. 1.) 102

SECTION LINE MEASURE REFERS TO "LOCAL GROUND" DISTANCE AND INCLUDES ELLIPSDIDAL (COMBINED) SCALE FACTOR FROM S.P.C. GRID INVERSE (AS OBSERVED), PER AVG. SCALE FACTOR = 1.000092724798 FROM TopSURV® V8.1 W/ORIGIN POINT GPS MON #90 NAD83(NSRS2007).

DENDTES "1962 3.) RECORD PLAN DISTANCE.

R. = DENOTES PREV. CORNER CERT. MEASURE.

MARK RD. (Gravel)

FND "X" NAILS @ S.E. FACE

POWER POLE (Co.) = DENOTES 牊 RECORD COUNTY ENGINEER TIE. 2639,05 FND "X" NAILS @ N.E. FACE POWER POLE ,09 ,638,0 C.W. 1/16th Cor

R 14 W C.W. 1/16th Cor SECT. 16-T90-R14 (per Updated Cert.)

> FND "X" NAILS @ S.W. FACE POWER POLE.

DRIVE ACCESS (Sealcoat / A.C.C.)

8

179°43′54″ (M.)

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

N = 3683005.26

(49.25' Co.) (49.39' R.) (

49.31

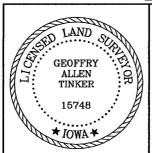
E = 5187955<u>.</u>27 GRID SCALE FACTOR = 0.99994608

CONVERGENCE = 0° 40' 17"

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

FIELD SURVEY: G.T. & S.S. 9/29/11 PREPARED BY: S.S. & G.T.

<u>CERTIFICATION</u>



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.

12011 en Tinker

15748

My license renewal date is December 31, 2012

SECT. 21-T90-R14 (per Updated Cert.)

Pages or sheets covered by this seal:

This Land Corner Certificate Only.

LIST CORNERS TO BE INDEXED Corner Section -Township -

Range N.E. Cor. NW1/4—NW1/4 90 N 14 W 14₩ = W. 1/16th (N.) 21 90 N

INDEX OF ABBREVIATIONS

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

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

"IGS" = Iowa Geodetic Survey "PK" = PK/MAG Nail Brar "WPA" = Works Progress Admin. Survey "\$\pi\$" = per George Miller Survey (BHco Surveyor 1858-1860) "\$\begin{align*}
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