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Fee Amt: \$0.00 Page 1 of 1
Black Hawk County Iowa
JUDITH A MCCARTHY RECORDER

File 2012-0005425

PREPARED BY: \*BLACK HAWK COUNTY ENGINEERS OFFICE

WATERLOO, IOWA 50703 316 E. FIFTH STREET, ROOM 211

PH.# (319) 833-3008 FAX.# (319) 833-3139

UNITED STATES PUBLIC LAND SURVEY CORNER CERTIFICATE OF Land Survey Monuments situated in Section 19 \_\_ , Township<u>88 N</u> Range 11 W, of the Fifth Principal Meridian, BLACK HAWK County, Iowa. Previously recorded in Misc Book N/A, Page N/A, 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: EAST 1/4 CORNER.

CORNER RESET FOR COLD-IN-PLACE RECYL. & H.M.A. RESURF. PROJECT LFM-121--7X-07.

PRIOR TO RESURF. PROJECT, FOUND 1/2" REBAR w/ NO COR. CERT. OF RECORD & REF. HIST.

B.H. CO. ENG. TIES (ONLY ONE TIE REMAINED, DTD. 1984). TEMP. REF. COR. LOC. PER RTK AFTER 4" DP. MILL (RECYCLE), SOUNDING REMAINED @ COR. LOCATION. EXCAVATED -0.80' DP. TO A.C.C. PAVEMENT (SOLID), w/SOUNDING STILL REMAINING & w/o FURTHER EXCAVATION @ LOCATION. FILLED PRIOR TO FINAL 3" DP. HMA PVMT. OVERLAY, THEN RESET CORNER w/ 5/8" (#5) x ±6" L. REBAR & LOCATED 0.10' EAST OF C.L. HMA PVMT. AND ALIGNED @ ±1' N. OF EXIST. FENCE TO EAST. DELF. (CORNER) ANGLE DENOTED FOR SECTION LINE TO N./S. PER COGO OF RTK GPS MEAS. CORNERS (AS OBSERVED).

## PLAN VIEW "NOT TO SCALE"

BHco Hist. Ties: BK. #1001 p.19 T88-R11 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.)

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 = 1.000079092076. 2.)

UTIL. FND "X" NAILS @ W. FACE DTD. COR. POST (RE-SEATED) FNC. POST

> $\alpha$ 30 5

88 R 11 W

<del>~ /</del>/

N.E. CORNER SECT. 19-T88-R11 (per Update)

> CANFIELD RD. (H.M.A.) 2644.63' (M) (vs. 2643.9' WPA)

AG, CROPS

2638,21′ (M) (vs. 2638,4' WPA) N.E. CORNER

> LELD NTR.

> > AG, CROP

SET #5 × 30″L. RBR. @ ±2′ EAST OF FIELD EDGE (APPROX. TOP BACKSLOPE)

SECT, 30-T88-R11 (per Update) ±45 SET #5 × 30"L. REBAR @ ±2' EAST OF FIELD EDGE (APPROX. TOP

AG, CROPS

179°46'24"(M)

S.P.C., la. N. Zone, USft N = 3619226.55E = 5282534.21Grid Scale Factor = 0.99995461 Convergence = 0° 54' 25" (NAD83-2007 "BHco07", RTK Obs.)

FIELD SURVEY: G.T., L.G., & T.K. 7/29/11 PREPARED BY: L.G., S.S., & G.T. 9/26/11

BACKSLOPE)

## 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.

±35

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

l	<u>Corner</u>	<u>Section</u> –	<u>Township</u> –	<u>Range</u>
	E. 1/4 Cor.	19	88 N	11 W
	W. 1/4 Cor.	20	88 N	11 W

## INDEX OF ABBREVIATIONS

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

INDEX OF ABBREVIATIONS

= "Measured" Dimension = "Platted" Dimension = "Record" Dimension = "Calculated" Dimension = "Calculated" Dimension = "SM" = Survey Marker Spi S" = Iowa Geodetic Survey "PK" = PK/MAG Nail Brance Per George Miller Survey (BHco Surveyor 1858-1860) = per John Ball Survey (BHco Surveyor 1866-1891) = per Nathan Barber Survey (BHco Surveyor 1908-1931)