

Doc ID: 004608200002 Type: GEN Kind: CORNER Recorded: 10/18/2011 at 03:12:43 PM Fee Amt: \$0.00 Page 1 of 2 Black Hawk County Iowa JUDITH A MCCARTHY RECORDER File 2012-0006993

### Page #1 of 2

PREPARED BY: \*\* BLACK HAWK COUNTY ENGINEERS OFFICE 316 E. FIFTH STREET, ROOM 211 WATE PH.# (319) 833-3008 FAX.# (319) 833-3139 SLSI 9-94 BHCO 03-09 WATERLOO, IOWA 50703 UNITED STATES PUBLIC LAND SURVEY CORNER CERTIFICATE OF 23 \_\_, Township<u>87 N</u> Land Survey Monuments situated in Section\_ Range 11 W, of the Fifth Principal Meridian, BLACK HAWK County, Iowa. Previously recorded in File 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: N. 1/4 COR., NO CURRENT LAND CORNER CERT. ON RECORD, WITH MOST RECENT TIES PER CLAASSEN ENG.

(C.E.S.) HIST. TIES DATED 1990/91 FOR BHCD. PROJ. #RS-4669(4)--61-07 (SHT. #7 of 16).

PRIOR TO H.M.A. RESURFACING PROJ. (#LFM-1111--7X-07), FOUND 1" SHINER & TEMP. REF.

PER RTK GPS. RESURF. PROJECT MILLED -2" EXIST. A.C.C., AND RESURF. W/+4.5" H.M.A. AFTER RESURFACING (W/ND SDUNDING REMAINED @ LOCATION), RE-& 2" SURF.). SET CORNER w/5/8"x±6"L. (#5) REBAR @  $\pm 0.7$ ' NORTH OF C.L. JOINT AND ALIGNED  $\pm$  \ CENTERLINE OF ROAD TO SOUTH. DEFL. (CORNER) ANGLE DENOTED FOR SECTION LINE E./W. PER COGO OF RTK GPS MEAS. CORNERS (AS OBSERVED). EAST "NOT" ON SECTION LINE (N. LINE N.E.1/4), PER P.I. TIES NOTE C.L. RD. TANG. TO P.I. (DETAILS) ON PAGE BHco Hist. Ties: <u>BK. #1000 p.23 T87-R11</u> PLAN VIEW 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 PRISM MODE, WHILE UTILIZING "INDIRECT" MEASURE, WITH ALL DISTANCES PLUMB/HORIZ. (HD). CURVE DATA Delta: 1°06′10″ Rt. (M) R.= 10,470.65′ 87 SECTION LINE MEASURE REFERS TO "LOCAL GROUND" DISTANCE AND INCLUDES ELLIPSOIDAL (COMBINED) SCALE FACTOR FROM S.P.C. GRID INVERSE (AS OBSERVED, PER AVG. SCALE FACTOR = 1.000074100755) 2.) L.= 201.51' T.= 100.76' (Held) SET 5/8"x30"L REBAR@ ±2' W DF DIR, ROAD SIGN POST. Ch.= 201.51" R 11 W (€) = DENOTES C.E.S. 1990 RECORD MEAS. SET CUT "X" @ TOP N.E. CORNER OF N.E. BRIDGE WINGWALL. M N. LINE 101,89 BRANDON RD. 2651.23' (M) & 2650.8' WPA) (H.M.A.) BRIDGE 1118.05' (M) DECK 2653<u>.69′</u> (M) P.I. (vs. 2654,23′ €. & 2678,6′ WPA) (per 179°23′08″ (M) p.#2) 178°53′50″ C.L. (M) N.E. CORNER SECT. 22-T87-R11 (per Update) N.E COR. SECT. 23-T87-R11 (per Update) SET 5/8\*x30\*L. REBAR@ ±2' WEST DF STDP SIGN PDST. SET CUT "X" TOP N. CORNER 10'X10' W. HEADWALL.  $\Box$ SIGN LETDOWN STRUCTURE 10'X10' RCB S.P.C., Ia. N. Zone, USft N = 3590407.74E = 5301397.25 $\mathbf{R}$ (GRAVEL) <u> Page #1 of 2</u> Grid Scale Factor = 0.99996155 ANGE Convergence = 0° 57' 11" 06/07/11 FIELD SURVEY: G.T. & L.G. (NAD83-2007 "BHco07", RTK Obs.) PREPARED BY: S.S. & G.T. 10/18/11

# <u>CERTIFICATION</u>

GEOFFRY

TINKER

15748

\* IOWA \*

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. 15748

2012 e renewal date is December 31,

Pages or sheets covered by this seal:

#1 AND #2 of this Corner Cert. Only.

#### LIST CORNERS TO BE INDEXED

<u>Corner</u>	Section -	<u>Township</u> –	Kange
N. 1/4 Cor.	23	87 N	11 W
S. 1/4 Cor.	14	87 N	11 W

INDEX OF ABBREVIATIONS "Measured" Dimension
"Platted" Dimension
"Record" Dimension

"NP" = Reflectorless EDM Meas.
"MLM" = Indirect Measure
"CM" = Concrete Monument
"SM" = Survey Marker Spike/Tag
"PK" = PK/MAG Nail Brand Style "Calculated" Dimension = Calculated Dimension SM = Survey Market Sp. = Iowa Geodetic Survey "PK" = PK/MAG Nail Brander George Miller Survey (BHco Surveyor 1858-1860) per John Ball Survey (BHco Surveyor 1866-1891) per Nathan Barber Survey (BHco Surveyor 1908-1931)

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 CERT 12-96

#### UNITED STATES PUBLIC LAND SURVEY CORNER CERTIFICATE OF

Land Survey Monuments situated in Section 23, Township 87 N, Range 11 W, of the Fifth Principal Meridian, BLACK HAWK County, Iowa. Previously recorded in File Book N/A, Page N/A, in County Recorder's Office.

(Show reason for preparing this certificate, the evidence and detailed procedures used in establishing the corner positions and monumentation found or placed.)

Monument Description and Remarks: CONTINUED: Page #2 of 2
PAGE #2 REFERENCE TIES TO P.I. FOUND ( & RESET) EAST OF SAID SECTION
COR., PER P.#1. HISTORICAL REF. CLASSEEN ENG. (C.E.S.) RECORD PLANS AS
STA. 37+72.26 @ 9.55' SOUTH OF SECTION LINE, & 0°50'45" LT. (AHEAD E).
PRIOR TO RESURF., FOUND 1/2" REBAR (#4) AND TEMP. REF. PER RTK GPS.
TANG. REF. TO N. 1/4 COR. SECT., USED TO REESTABLISH N.W. COR. SECTION.
AFTER H.M.A. RESURFACING PROJECT, RESET 5/8"x±6"L. (#5) REBAR LOCATED
@ C.L. H.M.A. PAVING JOINT. PER RECORD DETAILS ABOVE, P.I. GEOM. AS
OBSERVED IS @ 9.53' SOUTH OF SECTION LINE, & 0°50'39" LT. (AHEAD EAST).
P.I. INCLUDED w/ CORNER RECORD FOR AS-BUILT PLAN DETAILS AND SECTION
LINE GEOM. REFERENCE.

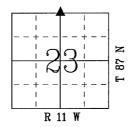
(Show a minimum of three reference ties to durable physical objects, relevant monuments and physical conditions that will enable recovery of the corner.)

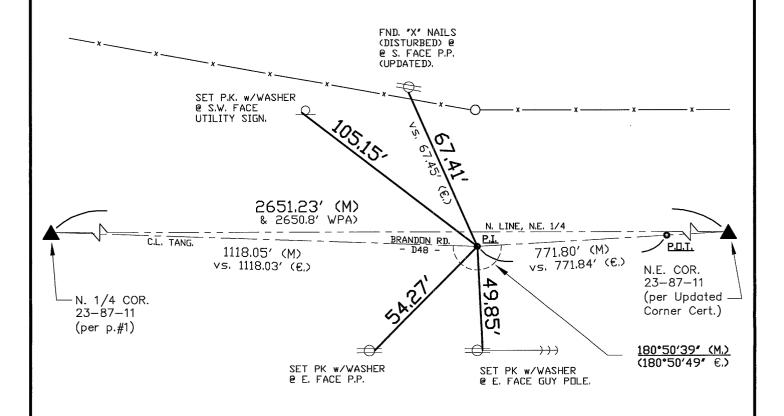
#### NOTE:

TIE DISTANCES MEAS. PER REF. NOTE #1, p.#1 MTL./STL. = DENOTES METAL / STEEL WASHER  $\epsilon$  = DENOTES C.E.S RECORD DIM.'S, 1990/91

## PLAN — VIEW NOT TO SCALE







FIELD SURVEY: \_ PREPARED BY: G.T. & L.G. 06/07/11 S.S. & G.T. 10/18/11

Page #2 of 2