

Doc ID: 004623210002 Type: GEN Kind: CORNER Recorded: 11/03/2011 at 04:17:25 PM Fee Amt: \$0.00 Page 1 of 2 Black Hawk County Iowa JUDITH A MCCARTHY RECORDER

File 2012-00008207

Page #1 of 2

PH.# (319) 833-3008 FAX.# (319) 833-3139 BLACK HAWK COUNTY ENGINEERS OFFICE PREPARED BY: SLSI 9-94 BHCO 03-09 WATERLOO, IOWA 50703 316 E. FIFTH STREET, ROOM 211 UNITED STATES PUBLIC LAND SURVEY CORNER CERTIFICATE OF Land Survey Monuments situated in Section 28 , Township 90 N Range 14 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: PRIDR TD H.M.A. RESURFACING PROJ. (#STP-N.E. COR. N.W.1/4-N.W.1/4: S-C007(106)--5E-07), FOUND 1 TEMP. REF. PER RTK GPS. NO CURRENT PLS CORNER CERT. OF RECORD, WITH ONE B.H. CD. ENG. HISTORICAL TIE REMAINING. EXIST. A.C.C. MILLED -2", W/SDUNDING @ ±DRIG.

RTK REF. LDC., AND EXCAVATED TD ±3" DP. & FDUND #4 (1/2") REBAR W/TDP TWISTED

& SHEARED, THEN REMOVED STUB REBAR. RESURFACED W/+4" (2" INT. & 2" SURF.) H.M.A. & SHEARED, THEN REMOVED STUB REBAR. RESURFACED w/+4" (2" INT. & 2" SURF.) H.M., PAVING. AFTER HMA RESURFACE, RESET 5/8"x±7"L. (#5) REBAR LOCATED @ ±0.70' EAST DF C.L. PAVING JOINT AND ALIGNED WITH ± CENTERLINE OF PRIVATE DRIVE TO WEST.

DEFL. (CORNER) ANGLE DENOTED FOR 16th LINE TO NORTH AND C.L. P.I. GEOM.

TO SOUTH PER COGO OF RTK GPS MEAS. CORNERS (AS OBSERVED). BHco Hist. Ties: BK. #1003 p. "G" T90-R14 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 EITHER PRISM "OR" NON-PRISM MODE, WHILE UTILIZING "INDIRECT" MEASURE, WITH ALL DISTANCES PLUMB/HORIZ. (HD), UNLESS DENOTED. 1.> C.W. 1/16th Cor SECT. 21-T90-R14 (per Updated Cert.) 90 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). lαŽ 요. ,05 UNION (H.M.A.) ,57 R 14 W 2628,0 627, Z R. = DENOTES B.H. CO. "1962" RECORD PLANS. #5×30"L. RBR. (< S ±17′ @ ±TOP FORESLOPE & ALIGNED ± w/ R. = DENOTES B.H. CO. HIST. TIE MEASURE. FENCE TO EAST. SET PK w/MTL. WASHER @ N.E. FACE BRACE POST. <u>52.10</u>′ PVT. DRIVE / ACCESS WHITE VINYL GATE (GRAVEL) 48.36 R) (48.25 FND. "X" NAILS @ ±12" HT. E. FACE P.P. (REFRESHED) 57'46"(M) 348,98 RES. DRIVE (GRAVEL) S.P.C., la. N. Zone, USft RES. DRIVE (A.C.C.) (VS, N = 3677739.66E = 5187984.09Page #1 of 2GRID SCALE FACTOR = 0.99994641 CONVERGENCE = 0° 40' 17" FIELD SURVEY: G.T. & S.S. 9/29/11 P.I. Detalls (NAD83-NSRS2007 "BHco07", RTK OBS.) PREPARED BY: per p.#2 S.S. & G.T. 11/2/11 <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. LAND Werfung Geoffry Allen Tinker GEOFFRY 11/02 2011 ALLEN TINKER 15748 License Number My license renewal date is December 31, 2012 * IOWA * Pages or sheets covered by this seal: #1 AND #2 of this Corner Cert. Only.

LIST (CORNERS TO	BE INDEXED	
<u>Corner</u>	<u>Section</u> –	<u>Township</u> –	Range
N.E. Cor. NW1/4-NW1/4	28	90 N	14 W
=W. 1/16th (N	.) 28	90 N	14 ₩

INDEX OF ABBREVIATIONS

"NP" = Reflectorless EDM Meas.
"MLM" = Indirect Measure
"CM" = Concrete Monument
"SM" = Survey Marker Spike/Tag
"PK" = PK/MAG Nail Brand Style (M) (P) (R) (C) "IGS" "WPA"

PREPARED BY:

BLACK HAWK COUNTY ENGINEERS OFFICE 316 E. FIFTH STREET, ROOM 211 WATERL

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 <u>28</u>, Township <u>90 N</u>, Range <u>14 W</u>, of the Fifth Principal Meridian, <u>BLACK HAWK</u> County, Iowa. Previously recorded in File Book <u>N/A</u>, Page <u>N/A</u>, 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

ATTACHED PAGE REFERS TO GENERAL GEOM. DETAILS AND REFERENCE TIES FOR P.I.

LOCATED "SOUTH" OF LAND CORNER DETAILED ON PAGE #1 OF RECORD. PRIOR TO H.M.A.

RESURFACING PROJECT (AS DETAILED ON P.I.), FOUND #5 (5/8") REBAR ±FLUSH WITH

EXIST. A.C.C. PAVEMENT, AND TEMP. REF. PER RTK GPS. AFTER H.M.A. RESURF., NO

SOUNDING REMAINED @ P.I. LOCATION, AND RESET P.I. WITH 5/8"x±7"L. (#5) REBAR AT

REF. LOCATION AND UPDATED TIES FOR C.L. GEOM. RECORD (AS-BUILTS). P.I. LOCATED

IN "SOUTH" BOUND LANE @ ±9.85" WEST OF C.L. PAVING JOINT (CURVE).

CURVE DETAILS DENOTED PER 1962 REFERENCED PLANS, WITH DEFL. (CORNER) ANGLE

DENOTED PER CENTERLINE TO 1/16TH CORNER NORTH AND C.L. TANG. TO SOUTH PER

COGO OF RTK GPS MEAS. LOCATIONS (AS OBSERVED). P.I. DETAILS INCLUDED AS

WITNESS CORNER / ACCESSORY FOR LAND CORNER DETAILED ON P.#1 OF CORNER RECORD.

NO HISTORICAL CO. ENG. TIES RECOVERED AS PART OF UPDATED RECORD.

BHco Hist. Ties: <u>BK. #1003 p. "H" T90-R14</u>
FIELD BOOK: <u>Ties per Topcon 7003i #Z0115</u>

