

Doc ID: 004608150002 Type: GEN Kind: CORNER RECORDER 10/18/2011 at 03:08:56 PM Fee Amt: \$0.00 Page 1 of 2 Black Hawk County Iowa JUDITH A MCCARTHY RECORDER

File 2012-00006988

Page #1 of 2

BLACK HAWK COUNTY ENGINEERS OFFICE PH.# (319) 833-3008 FAX.# (319) 833-3139 SLSI 9-94 BHCO 03-09 PREPARED BY: 316 E. FIFTH STREET, ROOM 211 WATERLOO, IOWA 50703 UNITED STATES PUBLIC LAND SURVEY CORNER CERTIFICATE OF 20 Land Survey Monuments situated in Section_ , Township<u>87 N</u> Range 11 W, of the Fifth Principal Meridian, BLACK HAWK County, Iowa. Previously recorded in Misc. Book 338, Page 616, 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. CURNER: CURRENT LAND CURNER CERT. UN RECURD CALLS FOR 1/2 REBAR IN A.C.C. PAVEMENT. FOUND 5/8" REBAR & TEMP. REF. CORNER PER RTK GPS FOR H.M.A. RESURF. PROJECT #LFM-1111--7X-07. EXIST. A.C.C. MILLED -2" w/EXIST. STUB REBAR REMOVED, AND RD RESURFACED w/+4.5" H.M.A. (2.5" INT. & 2" SURF.). PROJECT ALSO INCLUDED EXTENSI PROJECT ALSO INCLUDED EXTENSION EXIST, R.C.B. JUST N. DF CORNER (CUR. COR. TIES). MAGNETIC SOUNDING REMAINED AFTER RESURFING, & RESET CORNER w/ 5/8"x±6"L. (#5) REBAR FLUSH w/PVMT. @ ±4.1'
NORTH OF C.L. JOINT (HORIZ. CURVE) AND ALIGNED w/ C.L. RD. TO NORTH. CORNER ALSO
REF. IN "ACQUISITION PLAT" FOR PARCEL IN N.W. CORNER OF INTERSECTION, WITH CURVE
GEOM. AND LAND CORNER GEOM. FURTHER DETAILED PER CO. RECORDER FILE 2011-009289. BHco Hist. Ties: BK. #1000 p.20 T87-R11 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.) WPA C.M. @ TIES PER EDM MEASURE IN EITHER PRISM "OR" NON-PRISM MODE, WHILE UTILIZING "INDIRECT" MEASURE, WITH ALL DISTANCES PLUMB/HORIZ. (HD), UNLESS DENOTED. E. 1/4 CDR. SECT. 17-T87-R11 (per 1.> 2009-014373) AG. CRUPS T 87 SECTION LINE MEASURE REFERS TO "LOCAL GROUND" DISTANCE AND INCLUDES ELLIPSOIDAL (COMBINED) SCALE FACTOR FROM S.P.C. GRID INVERSE (AS OBSERVED. B R 11 W ָׁס PER AVG. SCALE FACTOR = 1.000074100755) OXLEY EST. CUT "X"

© TOP PCC

HEADWALL NEAR

CORNERS (TYP.). ู่ | |-AG. CRUPS N. 1/4 COR. SECT. 20-T87-R11 (NEW HDWL.'S) Delta: 10°04'10" RCB (per Misc. 328-096) 89°35′30"(M) L.= 200.00' (Held) T.= 100.258' 52+78.36 Ch.= 199.743 2642.31' (M) (vs. 2643.0' WPA) BRANDON RD. (H.M.A.) 1530'02, (M) 30.07 N. 1/4 — COR. SECT. ⊙ ં 21-T87-R11 P.I. (REF. p.#2) FND. #5 REBAR prior to Resurf., & RE-SET #5 REBAR. FIELD ENTRANCE (per Update) FLECT. PED. AG. CROPS UTIL. FND. P.K. @ NORTH FACE OF FENCE END S.P.C., Ia. N. Zone, USft N = 3590165.66SET P.K. w/MTL. WASHER @ EAST FACE P.P. E = 5288172.04 Grid Scale Factor = 0.99996156 of 2<u> Page #1</u> Convergence = 0° 55' 12" 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>

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. Surveyor under 18/2011 ALLEN TINKER 15748 2012 My license renewal date is December 31,_ *IOWA* Pages or sheets covered by this seal: #1 AND #2 of this Corner Cert.

LIST CORNERS TO BE INDEXED					
<u>Corner</u> <u>Section</u> –		Town	<u> Township – Range</u>		
N.E. Cor.	20	87	N	11 W	
N.W. Cor.	21	87	N	11 W	
S.E. Cor.	17	87	N	11 W	
S.W. Cor.	16	87	N	11 W	
INDEX OF ABBREVIATIONS					
(M) = "Measured" Dimension "NP" = Reflectorless EDM Meas.					
(P) = "Platted" Dimension "MLM" = Indirect Measure					
(P) = "Platted" Dimension "MLM" = Indirect Measure (R) = "Record" Dimension "CM" = Concrete Monument					
(C) = "Calculated" Dimension "SM" = Survey Marker Spike/Tag					
"IGS" = Iowa Geodetic Survey "PK" = PK/MAG Nail Brand Style					
"WPA" = Works Progress Admin. Survey					
"♥" = per George Miller Survey (BHco Surveyor 1858-1860) "B" = per John Ball Survey (BHco Surveyor 1866-1891)					
"B" = per John Ball Survey (BHco Surveyor 1866-1891)					
"Ñ" = per Nathan Barber Survey (BHco Surveyor 1908-1931)					

*BLACK HAWK COUNTY ENGINEERS OFFICE PH.# (319) 833-3008 FAX.# (319) 833-3139 PREPARED BY: SLSI 9-94 CERT 12-96 316 E. FIFTH STREET, ROOM 211 WATERLOO, IOWA 50703 UNITED STATES PUBLIC LAND SURVEY CORNER CERTIFICATE OF , Township 87 N Land Survey Monuments situated in Section_ 20 Range 11 W, of the Fifth Principal Meridian, BLACK HAWK County, Iowa. Previously recorded in Misc. Book 338, Page 616, 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 SOUTHWEST OF SAID SECTION COR. w/ FOUND P.I. BEING PREV. LOCATED PER ACQ. PLAT FILE 2011-009289. FOUND 5/8" REBAR PRIOR TO RESURF, PROJECT & TEMP, REF, PER RTK GPS. AFTER RESURF. (AS DENOTED ON p.#1), RESET P.I. w/ 5/8"x±6"L. STUB REBAR LOCATED AT ±2.6' NORTH OF C.L. H.M.A. JOINT (HORIZ. CURVE). P.I. REFERENCE INCLUDED WITH COR. TIE FOR PUBLIC RECORD OF TANG. GEOM. FOR LAND CORNER DETAILED PER p.#1, & RETIED FOR AS-BUILT PLAN (PROJECT) INFORMATION. (Show a minimum of three reference ties to durable physical objects, relevant monuments and physical conditions that will enable recovery of the corner.) PLAN - VIEW NOTE: NOT TO SCALE TIE DISTANCES MEAS. PER REF. NOTE #1, p.#1 83 MTL./STL. = DENOTES METAL / STEEL WASHER P.I. CURVE DATA Delta: 8°32'30" (C. L.= 125.00' (Held) R 11 W AG, CROPS R.= 838.47 UTIL. FND. ROUND-HEAD (R.H.) NAIL @ TOP FNC. LINE POST (COR. DEFL. OF FNC.) T.= 62.616' Ch.= 124.884' UTIL. FND. CUT "X" @ N.W. CORNER RCB HEADWALL. 1230.09 1230.07 BRANDON RD. C.L. TANGENT P.I. #4 Rebar N.F. COR. 20-87-11 #5 Rbr., per p.#1. 19.95 SET P.K. NAIL w/MTL. WASHER @ TOP 9*ø END POST. SET P.K. NAIL w/MTL. WASHER @ E. FACE P.P. FIELD SURVEY: G.T. & L.G. 06/07/11 Page #2 of 2 PREPARED BY: S.S. & G.T. 10/18/11