

Doc ID: 004586380001 Type: GEN Kind: CORNER Recorded: 09/26/2011 at 02:46:27 PM Fee Amt: \$0.00 Page 1 of 1 Black Hawk County Iowa JUDITH A MCCARTHY RECORDER

File 2012-00005427

PREPARED BY: *BLACK HAWK COUNTY ENGINEERS OFFICE 316 E. FIFTH STREET, ROOM 211 WATE

WATERLOO, IOWA 50703 PH.# (319) 833-3008 FAX.# (319) 833-3139

UNITED STATES PUBLIC LAND SURVEY CORNER CERTIFICATE OF Land Survey Monuments situated in Section_ 31 _, Township<u>88 N</u> Range 11 W, of the Fifth Principal Meridian, BLACK HAWK County, Iowa. Previously recorded in FEE Book 2005, Page 14334, 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)

Monument Description and Remarks: N.E. CORNER.

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

PRIOR TO RESURF. PROJECT, FOUND 5/8" REBAR (IRON PIN) PER CURRENT RECORD AND TEMP.

REF. COR. LOC. PER RTK GPS. AFTER 4" DP. MILL (RECYCLE), SOUNDING REMAINED. @ FND

1/2" SQUARE STEEL PIN x 5"L. (BENT & REMOVED). WITH ADDITIONAL FYCALLATION TO 10" 1/2" SQUARE STEEL PIN \times 5"L. (BENT & REMOVED), WITH ADDITIONAL EXCAVATION TO ± 6 " DEEP w/SOUNDING REMAINING @ \pm RTK REFERENCE LOCATION. FINAL RESURF. w/ ± 3 " H.M.A FINAL RESURF, w/ +3" H.M.A., THEN RESET CORNER w/ 5/8" x 6"L. REBAR LOCATED 0.25' EAST OF C.L. H.M.A. PVMT. JNT. AND ALIGNED w/ ±C.L SIDE ROAD INTERSECTION (E/W). 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: <u>BK. #1001 p. 31 T88-R11</u>

R 11 W

88

FIELD BOOK: Ties per Topcon 7003i #Z0115

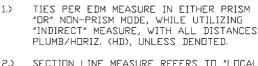
(Show a minimum of three reference ties to durable physical objects, relevant monuments and physical conditions that will enable recovery of the corner.)

8

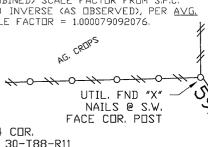
(gravel) RICKARD

8

60)



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.



E. 1/4 COR. SECT. 30-T88-R11 © IaDOT ALUM, MON. IN BR. OVERPASS (I-380), per MISC. BK. 337 p.164.

> 2629,44' (M) (vs. 2630.6' WPA)

RESET PK W/WASHER @ S.W. FACE COR. POST NEAR TOP (FND. NAILS DISTURBED)

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

N = 3611325.22E = 5282673.22

Grid Scale Factor = 0.99995630 Convergence = 0° 54' 25"

(NAD83-2007 "BHco07", RTK Obs.)

18,85 2644.29' (M) 179°56′08**"**(M) S

(vs. 2645.0' WPA) CANFIELD RD. (H.M.A.)

UTIL, FND "X" NAILS @ N.W. FACE P.P.

E. 1/4 COR. — SECT. 31-T88-R11 (per Updated Cert.)

UTIL. FND "X" NAILS @ N.E. FACE SINGLE FNC. POST (LOOSE & RE-SEATED).

AG, CROPS

FIELD SURVEY: G.T., L.G., & T.K. PREPARED BY: L.G., S.S., & G.T.

<u>CERTIFICATION</u>

AG, CROPS



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.

9/26/2011 Allen Tinker

15748

My license renewal date is December 31, 2012

.00

Pages or sheets covered by this seal:

This Land Corner Certificate Only.

LIST CORNERS TO BE INDEXED Corner Section -Township -

Range N.E. Cor. 88 N 31 11 W N.W. Cor. 32 88 N 11 W 30 88 N S.E. Cor. 11 W S.W. Cor. 29 88 N 11 W INDEX OF ABBREVIATIONS

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"Measured" Dimension

= "Platted" Dimension
= "Record" Dimension
= "Calculated" Dimension
= "Calculated" Dimension
= "Calculated" Dimension
= "SM" = Survey Marker Spil
"S" = Iowa Geodetic Survey
"PK" = PK/MAG Nail Brand
"PK" = Per George Miller Survey (BHco Surveyor 1858-1860)
= per John Ball Survey (BHco Surveyor 1968-1891)
= per Nathan Barber Survey (BHco Surveyor 1908-1931) "NP" = Reflectorless EDM Meas.
"MLM" = Indirect Measure
"CM" = Concrete Monument
"SM" = Survey Marker Spike/Tag
"PK" = PK/MAG Nail Brand Style