

Doc ID: 005603770001 Type: GEN Recorded: 10/22/2014 at 02:15:13 PM Fee Amt: \$0.00 Page 1 of 1 Black Hawk County Iowa JUDITH A MCCARTHY RECORDER

File 2015-00007011

PREPARED BY:

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

WATERLOO, IOWA 50703

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

SLSI 9-94 BHC0 03-09

UNITED STATES PUBLIC LAND SURVEY CORNER CERTIFICATE OF

Land Survey Monuments situated in Section 13, Township 90 N Range 12 W, of the Fifth Principal Meridian, BLACK HAWK County, Iowa. Previously recorded in MISC. Book 334, Page 930, 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. COR.:

CORNER RESET & TIES UPDATED FOR H.M.A. RESURF. PROJECT LFM-1307--7X-07.

PRIOR TO RESURF. PROJECT, FOUND 1/2" (#4) REBAR PER CURRENT RECORD AND TEMP.

REF. COR. LOCATION PER RTK GPS. AFTER 2" DP. MILL, NO SOUNDING REMAINED @ ± RTK

REF. COR. LOCATION W/ NO FURTHER FYCAVATION PVMNT. RESURFACED W/ +3.5" (2" REFERENCED LOCATION, w/ NO FURTHER EXCAVATION. PVMNT. RESURFACED w/ +3.5" (2" INT. & 1.5" SURF.) H.M.A. PAVING. AFTER H.M.A. RESURFACE, RESET CORNER WITH 6" L. MAG SPIKE w/ MTL. WASHER (PLS #15748) LOCATED @ ±0.30' NORTH OF H.M.A. JOINT AND ALIGNED WITH ±CENTERLINE OF ORDWAY ROAD TO SOUTH.

Project Point #: 1007

## PLAN VIEW

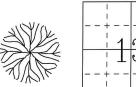
BHco Hist. Ties: BK. #1003 p.13 90-12

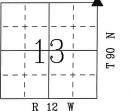
FIELD BOOK: Ties per Topcon 7003i #Z0115

"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 1.) TIES PER EDM MEASURE
IN EITHER PRISM "OR"
NON-PRISM MODE, WHILE
UTILIZING "INDIRECT"
MEASURE, WITH ALL
DISTANCES PLUMB/HORIZ.
(HD), UNLESS DENOTED.

SECTION LINE MEASURE SECTION LINE MEASURE
REFERS TO "LOCAL GROUND"
DIST. AND INCLUDES ELLIPSOIDAL
(COMBINED) SCALE FACTOR FROM
S.P.C. GRID INVERSE (AS
DBSERVED), PER AVG. SCALE
FACTOR = 1.000097017623





\_AG, CROPS-SET MAGNAIL W/MTL. WASHER @ N.W. FACE P.P. FIELD E<sub>1</sub>, (GRAVEL) ±2.6' HT. N. 1/4 C□R. SECT. 18-T90-R11 1/4 COR. SECT. 13-T90-R12 (per Updated Cert.) (per Updated Cert.) 2591.40' (M. & R.) 2647.68 (vs. 2589.8' WPA 1941) (vs. 2647.7' P.)

S.

RD

ORDWAY F (GRAVEL)

0

(vs. 2629.3' WPA 1939) 179°42′53"(M.) -AG, CROPS-SET CUT "X" @ TOP 24" Ø R.C.P. APRON

FND. #4 RBR. @ ±8" DP. IN GRAVEL SHOULDER & ±4.2' SOUTH OF H.M.A. EDGE

CEDAR-WAPSI RD.

(H.M.A.)

-AG. CROPS-

79.69

(79.56′ R.)

SET MAGNAIL w/ MTL. WASHER @ W.-S.W. FACE P.P. @ ±2.4' HT.

FIELD SURVEY: S.S. & G.T. 06/20/14 PREPARED BY: 10/15/14 SS

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

N = 3689445.68

LAND

GEOFFRY

TINKER

15748

\* IOWA \*

E = 5271311.44

Convergence = 0° 52' 53" (NAD83-NA20II IARTN OBS.)

## **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

10/22/2014 Merfly Geoffry Allen Tunter (date)

Tinker

15748 License Number

My license renewal date is December 31, 2014

Pages or sheets covered by this seal:

This Land Corner Certificate Only

## LIST CORNERS TO BE INDEXED

<u>Corner</u> Section -Township -Range 90 N 12 W N.E. Cor. 13 N.W. Cor. 18 90 N 11 W 12 90 N 12 W S.E. Cor. S.W. Cor. 90 N 11 W

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

S.W. Cor. 7 90 N

INDEX OF ABBREVIATIONS

(M) = "Measured" Dimension
(P) = "Platted" Dimension
(R) = "Record" Dimension
(C) = "Calculated" Dimension
"IGS" = Iowa Geodetic Survey
"FK" = Works Progress Admin. Survey

"\$\tilde{\pi}\$" = per George Miller Survey (BHco Surveyor 1858-1860)
"\$\tilde{\pi}\$" = per Nathan Barber Survey (BHco Surveyor 1908-1931)