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Fee Amt: $0.00 Page 1 of 1
Black Hawk County Iowa
JUDITH A MCCARTHY RECORDER
File 2015-00007012

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
BHCO 03-09

UNITED STATES PUBLIC LAND SURVEY CORNER CERTIFICATE OF

Land Survey Monuments situated in Section 18, Township 90 N, Range 11 W, of the Fifth Principal Meridian, BLACK HAWK County, Iowa.
Previously recorded in File Book 2010, Page 07420, 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.:**
CORNER RESET & TIES UPDATED FOR H.M.A. RESURF. PROJECT LFM-1307--7X-07. PRIOR TO RESURF. PROJECT, FOUND 1/2" (#4) REBAR PER FILE 2010-07420 AND TEMP. REF. COR. LOCATION PER RTK GPS. AFTER 2" DP. MILL, NO SOUNDING REMAINED @ ± RTK 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 @ ±0.15' SOUTH OF H.M.A. JOINT AND ALIGNED WITH EXISTING FENCELINE (±) TO SOUTH.
PREVIOUS RECORD DETAILS ANGULAR GEOMETRICS BETWEEN TIES, HOWEVER NOT REFERENCED TO SECTION LINE AND NOT OBSERVED PER THIS UPDATED RECORD.

Project Point #: 1008

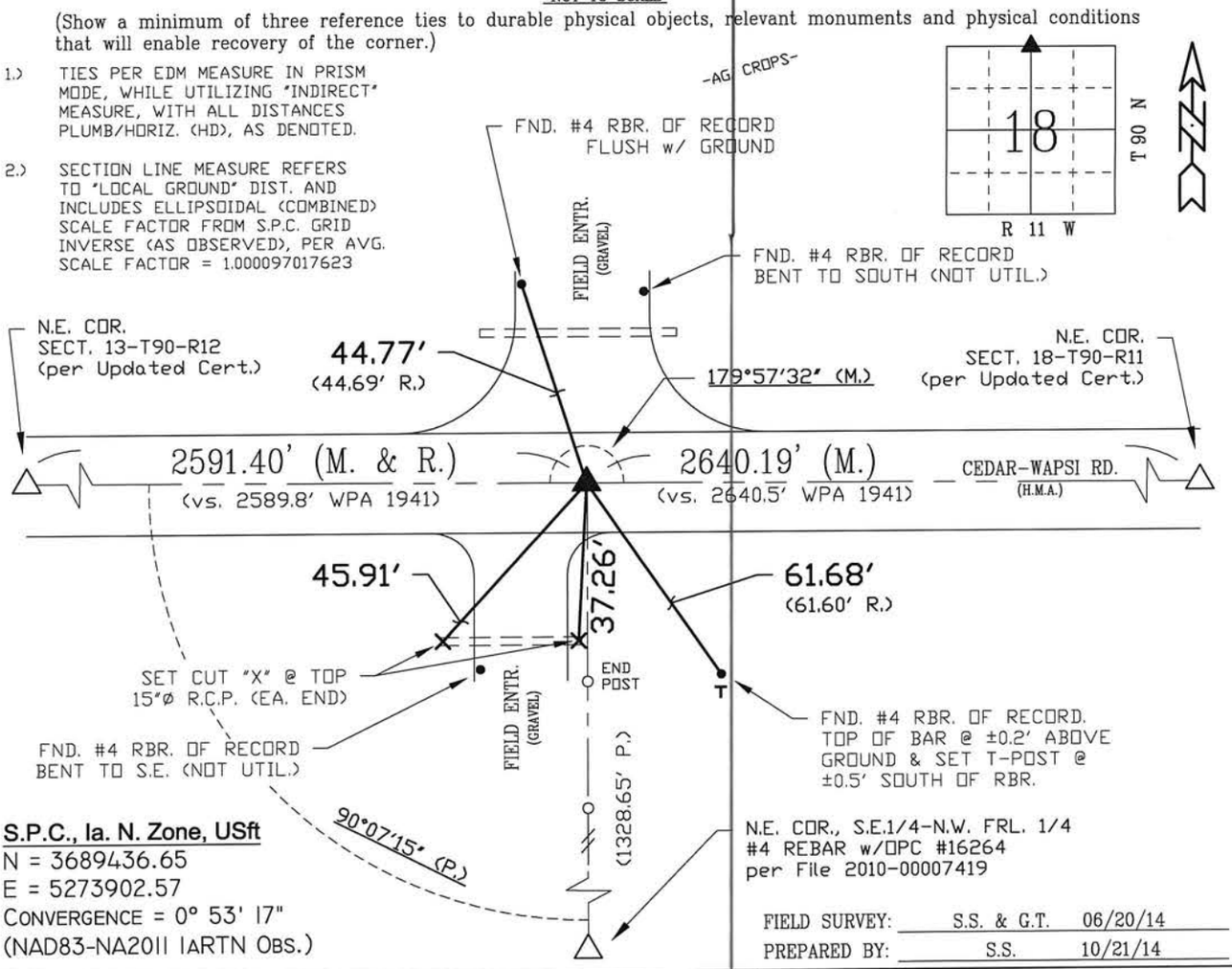
PLAN VIEW
"NOT TO SCALE"

BHco Hist. Ties: BK. #1003 p.18 90-11
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.)

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

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



S.P.C., Ia. N. Zone, USft
N = 3689436.65
E = 5273902.57
CONVERGENCE = 0° 53' 17"
(NAD83-NA2011 IARTN OBS.)

FIELD SURVEY: S.S. & G.T. 06/20/14
PREPARED BY: S.S. 10/21/14

CERTIFICATION

LICENSED LAND SURVEYOR
GEOFFRY ALLEN 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.

Geoffry Allen Tinker 10/22/2014
Geoffry Allen Tinker (date)
License Number 15748
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

Corner	Section -	Township -	Range
N. 1/4 Cor.	18	90 N	11 W
S. 1/4 Cor.	7	90 N	11 W

INDEX OF ABBREVIATIONS

(M) = "Measured" Dimension
(P) = "Platted" Dimension
(R) = "Record" Dimension
(C) = "Calculated" Dimension
"IGS" = Iowa Geodetic Survey
"WPA" = Works Progress Admin. Survey
"φ" = per George Miller Survey (BHco Surveyor 1858-1860)
"β" = per John Ball Survey (BHco Surveyor 1866-1891)
"Ñ" = 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

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