

File 2016-00013981

PREPARED BY: BLACK HAWK COUNTY ENGINEERS OFFICE
316 E. FIFTH STREET, ROOM 211 WATERLOO, IOWA 50703

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SLSI 9-94
BHCO 03-09

UNITED STATES PUBLIC LAND SURVEY CORNER CERTIFICATE OF
Land Survey Monuments situated in Section 34 , Township 90 N ,
Range 11 W , of the Fifth Principal Meridian, BLACK HAWK County, Iowa.
Previously recorded in File 2013-00019849, in County Recorder's Office.
and File 2013-00015779

(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 CORNER,

CORNER RESET & TIES UPDATED PER PAVEMENT WIDENING AND H.M.A. RESURF. PROJECT LFM-1019--7X-07. PRIOR TO RESURF. PROJECT, FOUND LEAD PLUG PER CURRENT RECORD AND PREVIOUS RECORD (ORIG. COUNTY RECORDER FILE 2013-00015779) AND TEMP. REF. COR. LOCATION PER RTK GPS. CORNER TIE REFS. FROM RECORD FILE 2013-0015779 (CUT "X" IN FOGLINE/PAINTLINE) WERE NOT REFERENCED FOR THIS CERTIFICATE. SOUNDING REMAINED @ \pm RTK REFERENCE LOCATION w/ NO FURTHER EXCAVATION. PLACED CHOKE STONE INTERLAYER AT +3" AND PVMT. RESURFACED w/ +6" (3" BASE, 1.5" 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 @ $\pm 0.07'$ NORTH OF H.M.A. JOINT.

TopSurv Project Point: #1027


PLAN VIEW

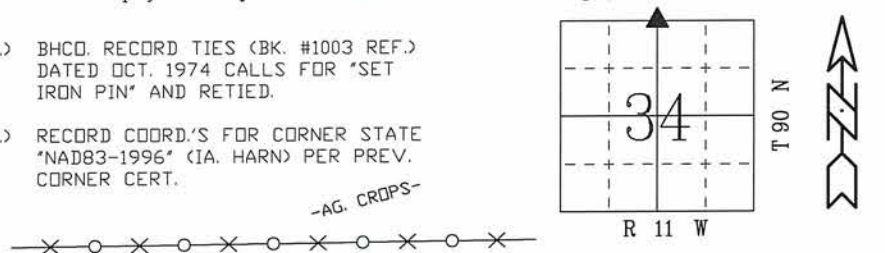
"NOT TO SCALE"

BHco Hist. Ties: BK. #1003 p.34 90-11

FIELD BOOK: Ties per Topcon 7003i #Z0115

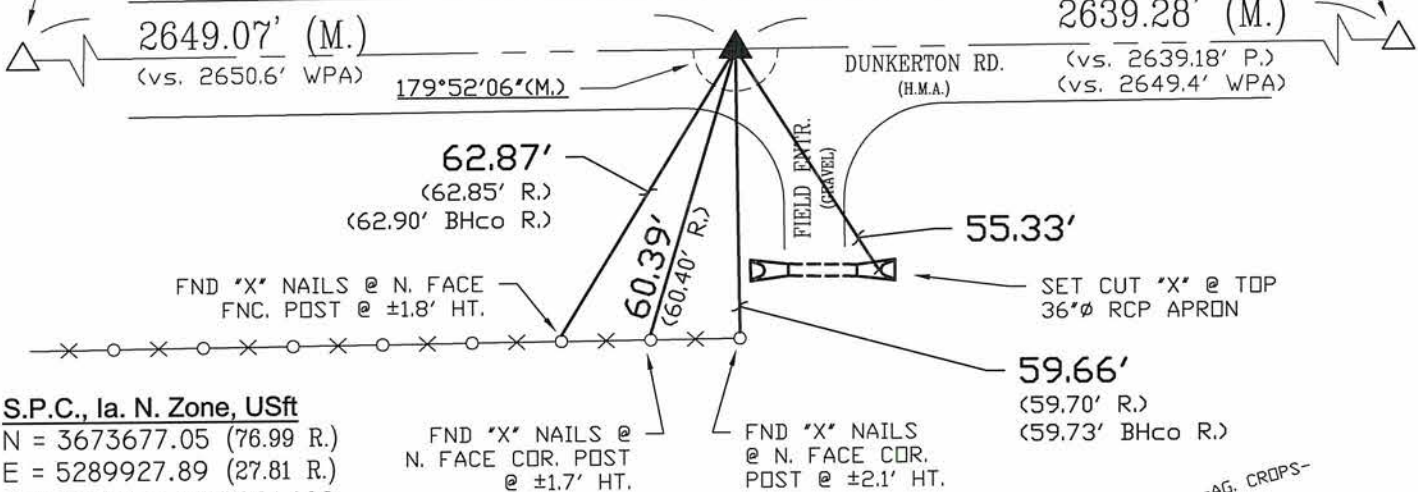
(Show a minimum of three reference ties to durable physical objects, relevant monuments and physical conditions that will enable recovery of the corner.)

- 1.) TIES PER EDM MEASURE IN EITHER PRISM "OR" NON-PRISM MODE, WHILE UTILIZING "INDIRECT" MEASURE, WITH ALL DISTANCES PLUMB/HORIZ. (HD), UNLESS 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 = 1.000093420359)
- 3.) BHCO. RECORD TIES (BK. #1003 REF.) DATED OCT. 1974 CALLS FOR "SET IRON PIN" AND RETIED.
- 4.) RECORD COORD.'S FOR CORNER STATE "NAD83-1996" (IA. HARN) PER PREV. CORNER CERT.
- AG. CROPS-
- 



N.E. CDR.
SECT. 33-T90-R11
(per Updated Cert.)

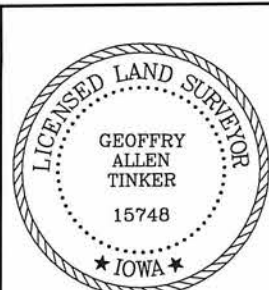
N.E. COR.
SECT. 34-T90-R11
(per Updated Cert.)



S.P.C., Ia. N. Zone, USft
N = 3673677.05 (76.99 R.)
E = 5289927.89 (27.81 R.)
GRID SCALE = 0.99994682
CONVERGENCE = 0° 55' 40"
(NAD83-2011 IARTN OBS.)

FIELD SURVEY: S.S. & G.T. 9/10/15
PREPARED BY: S.S. & G.T. 2/10/16

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 Iowa

Geoffrey Allen Tinker 2/11/2016
(date)

License Number 15748

My license renewal date is December 31, 2016

Pages or sheets covered by this seal:

This Land Corner Certificate Only.

LIST CORNERS TO BE INDEXED

<u>Corner</u>	<u>Section</u> -	<u>Township</u> -	<u>Range</u>
N. 1/4 Cor.	34	90 N	11 W
S. 1/4 Cor.	27	90 N	11 W

INDEX OF ABBREVIATIONS

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(M) = "Measured" Dimension	"NP" = Reflectorless EDM Meas.
(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	
"Φ" = per George Miller Survey (BHC Surveyor 1858-1860)	
"G" = per John Ball Survey (BHC Surveyor 1866-1891)	
"N" = per Nathan Barber Survey (BHC Surveyor 1908-1931)	