

File **2009-00020183**

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 36 , Township 88 N ,  
Range 14 W , of the Fifth Principal Meridian, BLACK HAWK County, Iowa.  
Previously recorded in Misc. Book 337 , Page 805 , 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. FOUND #5 REBAR (VS. CURRENT RECORD 60d NAIL) @ C.L. A.C.C. ROAD. CORNER TEMP. REF. PER RTK GPS, AND EXIST. ACC PVMT. MILLED 1-1/2" THEN WIDENED TO ±26' WIDTH WITH 2-1/2" H.M.A. SURFACE COURSE ADDED. CORNER LOC. CORED 4"Ø AT 10" DEPTH, WITH STUB REBAR REMOVED IN CENTER OF CORE. MAGNETIC SIGNAL STILL SOUNDS @ CENTER OF CORE. RESET CORNER PER RTK GPS REF., WITH ±18"L. x 5/8" REBAR FLUSH w/H.M.A. SURFACE AND PATCHED CORE WITH HMA/ACC MIX. CORNER LOCATED @ 0.33' SOUTH OF C.L. PAVING JOINT, AND RELATIVELY ALIGNED WITH FNC. TO SOUTH.

NOTE: ALL DISTANCES PLUMB/HORIZ.  
(H.D.), "UNLESS DENOTED".

PLAN VIEW

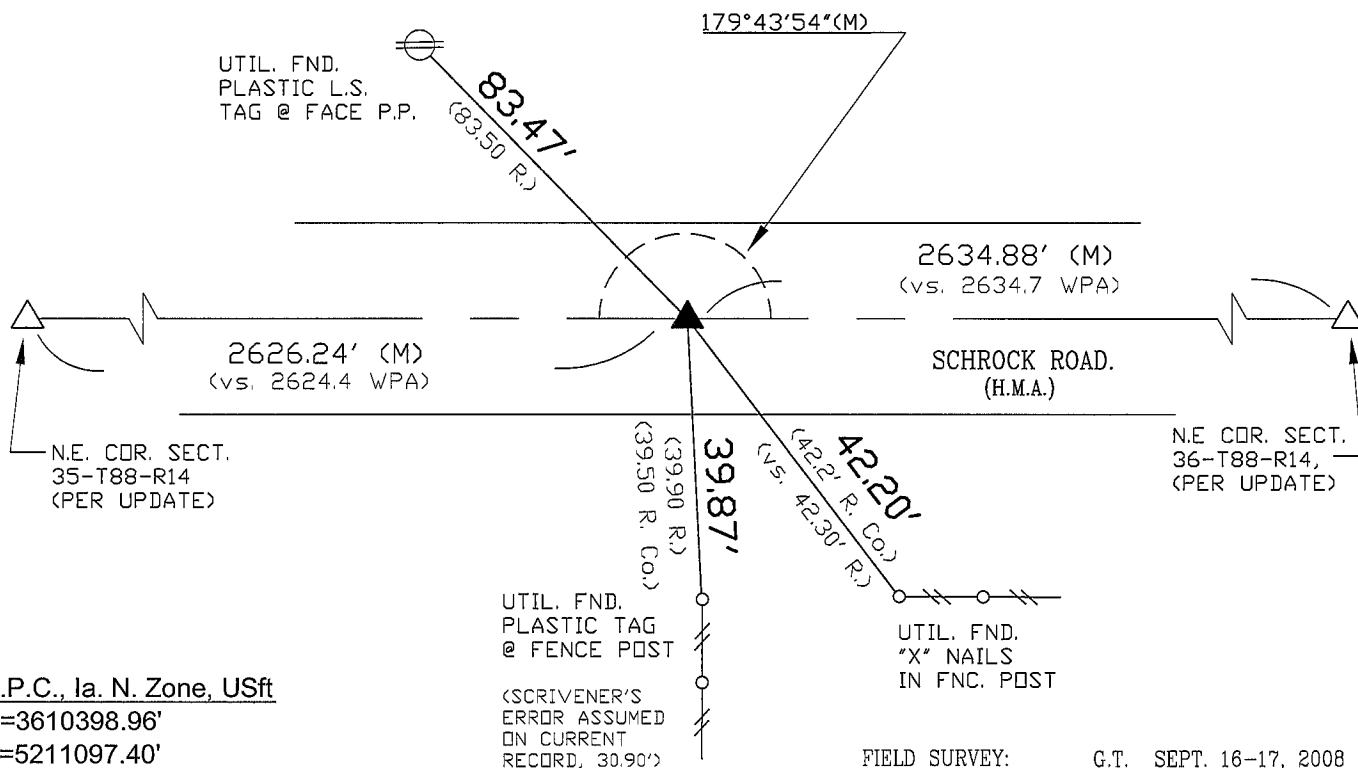
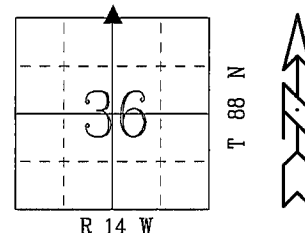
<sup>19</sup>NOT TO SCALE<sup>20</sup>

BHco Hist. Ties: BK #1001 p.36 88-14

FIELD BOOK: BHco. #488 p.34

(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  
NON-PRISM MODE, WHILE  
UTILIZING "INDIRECT" MEASURE.
- 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 = 1.0000834350620).



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

N=3610398.96'

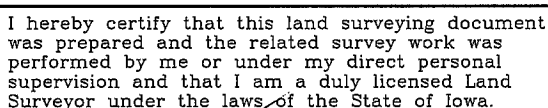
E=5211097.40'

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

FIELD SURVEY: G.T. SEPT. 16-17, 2008

PREPARED BY: G.T. & J.Z. 4/23/09

## CERTIFICATION



*Geoffrey Allen Tinker* 04/27/2009  
Geoffrey Allen Tinker (date)

License Number 15748

My license renewal date is December 31, 2010

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.	36	88 N	14 W
S. 1/4 Cor.	25	88 N	14 W

## INDEX OF ABBREVIATIONS

(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	
"WPA" = Works Progress Admin. Survey	
"φ" = per George Miller Survey (BfCo Surveyor 1858-1860)	
"s" = per John Ball Survey (BfCo Surveyor 1866-1891)	
"N" = per Nathan Barber Survey (BfCo Surveyor 1906-1931)	