

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 32, Township 89 N,  
Range 14 W, of the Fifth Principal Meridian, BLACK HAWK County, Iowa.  
Previously recorded in FEE Book 2002, Page 33749, 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. CORNER:**

REF. FND. I.D.O.T. ALUM. MON. (UNSTABLE WITHIN ACC CORE HOLE) IN E.B.L. OF HORIZ.  
CURVE, PER PREV. RECORD. CORNER UPDATED FOR HMA/ACC RESURF. PROJECT. CORNER  
TEMP. REFERENCED PER RTK GPS, AND MILLED  $\pm 2"$  DEEP JUST MISSING EXIST. MONUMENT.  
ALUM. CAP NOT ANCHORED TO OBJECT, & REMOVED CAP THEN EXCAVATED CORE HOLE  
ANOTHER  $-5"$  DEEP. FOUND NO SOLID BASE OF HIST. PCC PAVEMENT, AND "NO" MAGNETIC  
SOUNDING (OF SIGNIFICANCE) WAS OBSERVED AT REF'ED LOCATION. AFTER HMA RESURF.  
( $+4.5"$ ), RESET  $7" \text{L.} \times 5/8"$  REBAR AND RETIED CORNER FOR RECORD. CORNER ALIGNED  $\pm$   
WITH C.L. OF N-S ROAD, AND LOCATED  $\pm 4.5'$  NORTH OF SOUTH EDGE (MAINLINE) PAVEMENT.  
NO HIST. COUNTY TIES REFERENCED AS PART OF THIS RECORD. (NOT PREV. RECORD.)

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

PLAN VIEW ONLY  
"NOT TO SCALE"

BHco Hist. Ties: BK. #1002 p.32 89-14  
FIELD BOOK: BHco. #489 p.14

(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" (MLM) MEASURE.
- 2.) IaDOT PAVING PLANS (PROJ. FN-317, 1960) CALLS FOR "PLACED LEAD PLUG OVER PIN", AS NOT FOUND PER ABOVE. CORNER REF. AS P.D.S.T. STA. 93+79.8 PER FOLLOWING CURVE DATA:

Defl. =  $35^{\circ}31'$  Lt. (Not Verified)  
Deg. =  $3^{\circ}00'$   
T. = 611.7' vs. (607.86', C.)  
L. = 1183.9' vs. (1177.0', C.)  
R. = 1910.0' vs. (1909.86' C.)  
P.I. STA. 98+23.8

$\pm$  C.L.  
E.B.L.

UNIV. AVE. (D18)  
(ACC)

FND. SM.  
TAG/ NAIL  
N. FACE P.P.  
@ 1.8' HT.

125.54'  
(125.53' R.)

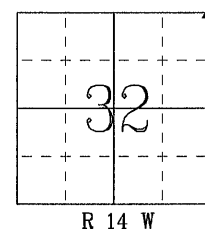
SQ.  
INTK.

UTIL. FND.  
CUT "X"  
@ TOP W.  
END RCP.

HEARST RD.  
(gravel)

FND. SM.  
E. FACE P.P.  
@ 2.5' HT.

65.58'  
(65.72' R.)



(2638.1' R. &  
2639.0 WPA)

N. 1/4 COR.  
SECT. 33-T89-R14,  
WPA STD. C.M., per  
FILE 2002-33750

FND. SM.  
TAG / NAIL  
N.E. FACE P.P.  
@ 3.5' HT.

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

N=3641013.65'

E=5187064.91'

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

FIELD SURVEY: G.T. & J.D. 05/17/10

PREPARED BY: G.T. 6/2/10

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* 06/03/2010  
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

Corner	Section -	Township -	Range
N.E. Cor.	32	89 N	14 W
N.W. Cor.	33	89 N	14 W
S.E. Cor.	29	89 N	14 W
S.W. Cor.	28	89 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 "PK" = PK/MAG Nail Brand Style  
"WPA" = Works Progress Admin. Survey  
"G" = per George Miller Survey (BHco Surveyor 1858-1860)  
"B" = per John Ball Survey (BHco Surveyor 1866-1891)  
"N" = per Nathan Barber Survey (BHco Surveyor 1908-1931)