

File **2010-00005152**

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 28 , Township 89 N ,
Range 11 W , of the Fifth Principal Meridian, BLACK HAWK County, Iowa.
Previously recorded in Fee Book 2007, Page 004193, 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. FND. 5/8" REBAR AT SURF. OF
EXISTING ACC PVM'T. PRIOR TO 2" ACC MILLING AND 3" HMA RESURFACING PROJECT.
TEMP. REFERENCED CORNER PER RTK GPS, AND RESET 5" L. SPIKE w/WASHER BEING
LOCATED @ ±0.20' SOUTH OF NEW C.L. ACC/HMA PAVING JOINT. PREV. RECORD TIES
TO RCB DESTROYED AS PART OF RESURF. PROJECT & ROADWAY STRUCTURE
REPLACEMENT(S). REFER TO PREVIOUS RECORD REGARDING PRIOR RE-ESTABLISHMENT
DETAILS AND PROCEDURES.

PLAN VIEW

"NOT TO SCALE"

BHco Hist. Ties: BK. #1002 p.28-89-11

FIELD BOOK: Topcon 7i Std. Meas.

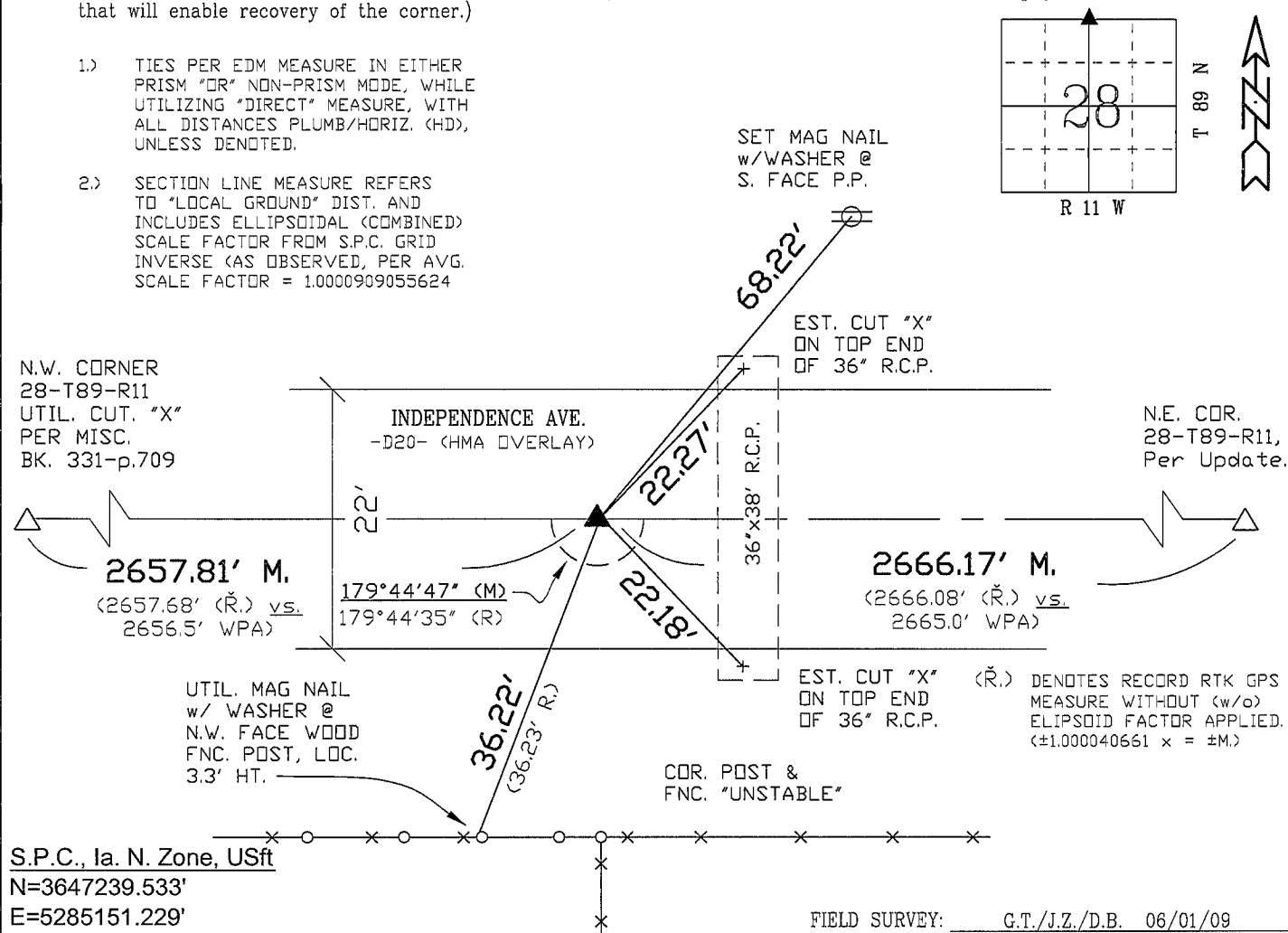
(Show a minimum of three reference ties to durable physical objects, relevant monuments and physical conditions that will enable recovery of the corner.)

- ```

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

2.) SECTION LINE MEASURE REFERS
 TO "LOCAL GROUND" DIST. AND
 INCLUDES ELLIPSIDAL (COMBINED)
 SCALE FACTOR FROM S.P.C. GRID
 INVERSE (AS OBSERVED, PER AVG.
 SCALE FACTOR = 1.0000909055624

```



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

N=3647239.533'

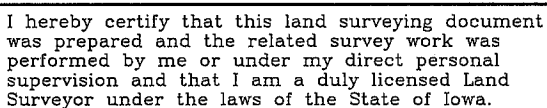
F=5285151.229'

(NAD83) "BHco1994 Net Adj.", RTK Obs.)

FIELD SURVEY: G.T./J.Z./D.B. 06/01/09

PREPARED BY: J.Z. & G.T. 9/3/09

## CERTIFICATION



Geoffrey Allen Tinker 09/09/09 (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.   | 28               | 89 N              | 11 W         |
| S. 1/4 Cor.   | 21               | 89 N              | 11 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  
(GS) = Iowa Geodetic Survey                      "PK" = PK/MAG Nail Brand Style  
"WPA" = Works Progress Admin. Survey  
"o" = per George Miller Survey (BHoC Surveyor 1858-1860)  
"s" = per John Ball Survey (BHoC Surveyor 1866-1891)  
"N" = per Nathan Barber Survey (BHoC Surveyor 1906-1931)