

PH.# (319) 833-3008 SLSI 9-94  
FAX.# (319) 833-3139 CERT 12-96

Land Survey Monuments situated in Section 27 , Township 89 N ,  
Range 11 W , of the Fifth Principal Meridian, BLACK HAWK County, Iowa.  
Previously recorded in MISC. Book 292 , Page 130 , in County Recorder's Office.

(Evidence and detailed procedures used in establishing the corner position(s) and monumentation found or placed.)

Monument Description and Remarks: N.E. COR. FND. 5/8" STEEL PIN IN GRAVEL /  
SIDEROAD INTERSECTION PRIOR TO RESURFACING PROJECT, PER CURRENT RECORD.  
CORNER TEMP. REFERENCED PER RTK GPS. EXISTING GRAVEL SURFACED WITH HMA PAVING  
(±3" Dp.) THROUGH INTERSECTION. RESET #5 (5/8") x ±5"L. REBAR IN ACC PVM'T., BEING  
ALIGNED WITH ± C.L. ROADWAY BOTH N-S AND WEST, AND RETIED TO UPDATE RECORD.

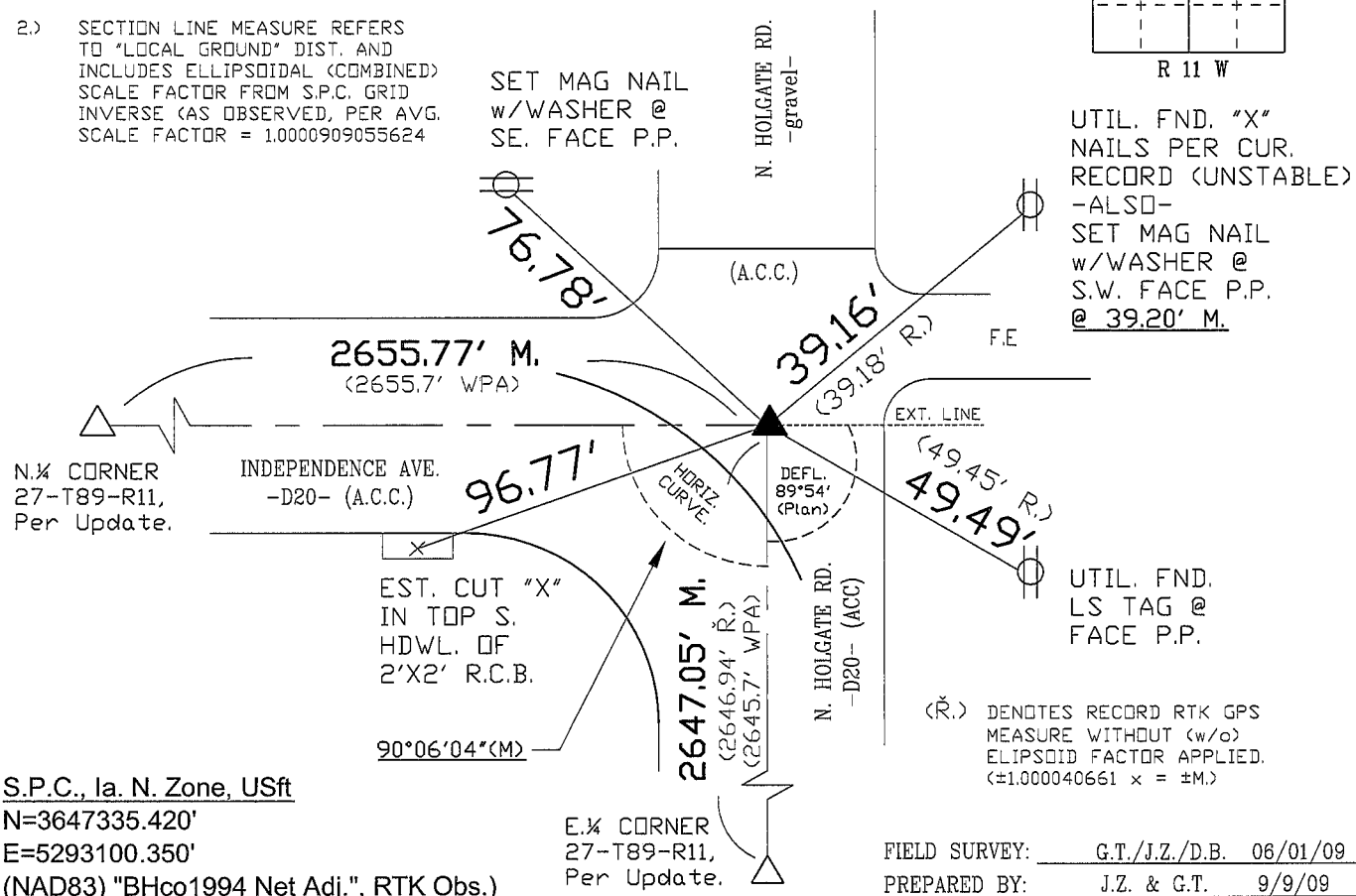
"NOT TO SCALE"

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 ELLIPSOIDAL (COMBINED)  
SCALE FACTOR FROM S.P.C. GRID  
INVERSE (AS OBSERVED, PER AVG.  
SCALE FACTOR = 1.0000909055624



(R.) DENOTES RECORD RTK GPS  
MEASURE WITHOUT (w/o)  
ELIPSOID FACTOR APPLIED.  
( $\pm 1.000040661 \times = \pm M.$ )

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

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

### LIST CORNERS TO BE INDEXED



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 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.

<u>Corner</u>	<u>Section</u> -	<u>Township</u> -	<u>Range</u>
N.E. Cor.	27	89 N	11 W
N.W. Cor.	26	89 N	11 W
S.W. Cor.	23	89 N	11 W
S.E. Cor.	22	89 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	
"WPA" = Works Progress Admin. Survey	
"φ" = per George Miller Survey (BHco Surveyor 1858-1860)	
"t" = per John Ball Survey (BHco Surveyor 1866-1891)	
"N" = per Nathan Barber Survey (BHco Surveyor 1908-1931)	