

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

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SLSI 9-94
CERT 03-09

UNITED STATES PUBLIC LAND SURVEY CORNER CERTIFICATE OF
Land Survey Monuments situated in Section 33, Township 89 N,
Range 11 W, of the Fifth Principal Meridian, BLACK HAWK County, Iowa.
Previously recorded in MISC Book 338, Page 226, 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: S. 1/4 COR. FOUND "PK" NAIL IN PCC FILLED
ACC CORE HOLE, PER CURRENT RECORD, BEING LOC. IN S.W. SIDE OF CORE HOLE. CLEANED
CORE HOLE DOWN ±5" Dp. THRU EXIST. ACC OVERLAY TO PCC PAVEMENT, WITH NO
ADDITIONAL MONUMENTATION IN PCC SLAB FOUND. TEMP. REF. w/RTK GPS (TWO LINE w/W.T.
AVG.), AND MILLED 2" EXIST. ACC OVERLAY & ADDED 5" H.M.A./A.C.C. OVERLAY. CORNER
RESET WITH #5 (5/8") x ±7" L. REBAR PER RTK GPS REF., AND RETIED. LAND CORNER IS
LOC. @ 7.5' SOUTH OF NEW C.L. PAVING JOINT, AS PER DETAIL. IDOT 1955 PAVING PLANS
DENOTE CORNER AT STA. 419+08.2 @ 7.0 RT. (S./AHEAD E.) AS BEING "FOUND HUB OVER
CONC. MONUMENT. REFER TO ADDITIONAL GEOM REF. AT N. 1/4 SECTION 5-T88-R11, PER
UPDATED RECORD.

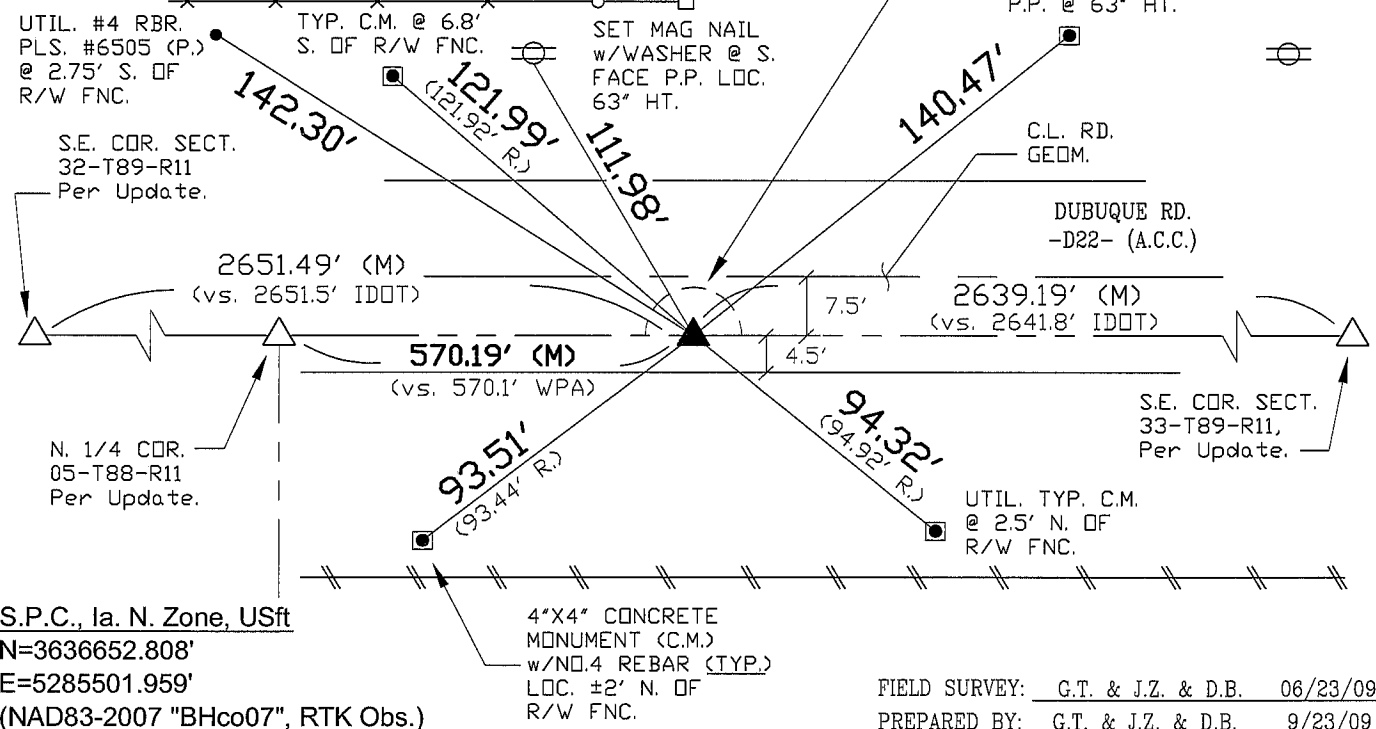
NOTE: ALL DISTANCES PLUMB/HORIZ.
(H.D.), "UNLESS DENOTED".

PLAN VIEW

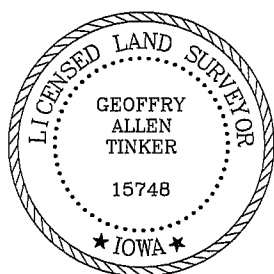
BHco Hist. Ties: BK. #1002 p.33 89-11
FIELD BOOK: BHco. #488 p.46 (#1011)

(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 PRISM
AND 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 = 1.0000892480663)
- 3.) IDOT = (IA. D.O.T.) 1955 PAVING
PLAN #1049(1) REFERENCE.



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 09/23/2009
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

Corner	Section -	Township -	Range
S. 1/4 Cor.	33	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
"IGS" = Iowa Geodetic Survey	
"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)	