
 PREPARED BY: BLACK HAWK COUNTY ENGINEERS OFFICE PH.# (319) 833-3008 SLSI 9-94
 316 E. FIFTH STREET, ROOM 211 WATERLOO, IOWA 50703 FAX.# (319) 833-3139 BHCO 03-09

UNITED STATES PUBLIC LAND SURVEY CORNER CERTIFICATE OF
Land Survey Monuments situated in Section 28 , Township 88 N ,
Range 12 W , of the Fifth Principal Meridian, BLACK HAWK County, Iowa.
Previously recorded in Misc. Book 336 , Page 024 , 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. 1/16th W. COR.!
FOUND 16d NAIL @ SIDEROAD INTERSECTION, PER (\pm) REFERENCE TIES FROM CURRENT
RECORD. TEMP REF. CORNER LOCATION WITH RTK GPS PRIOR TO RESURF. PROJECT.
MILLED 2" EXIST. ACC PAVEMENT, THEN ADDED 2" HMA SURFACE COURSE. AFTER RESURF.
PROJECT, DRILLED 6" ϕ CORE TO FULL DEPTH, AND PULLED COMMON 16d NAIL FROM \pm C.L.
CORE, WITH NO MAGNETIC SOUNDING REMAINING. CORNER RESET WITH ± 24 L. x #5 REBAR
WITH 2" ALUM. CAP. RESET CORNER ALIGNED (\pm) WITH C.L. S.R. TO NORTH @ LOC. ± 6 "
SOUTH OF NEW C.L. HMA/ACC PAVING JOINT. CORNER ALSO LOCATED @ 0.43' SOUTH FROM
NORTH LINE OF N.W. 1/4 OF SAID SECTION 28.

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

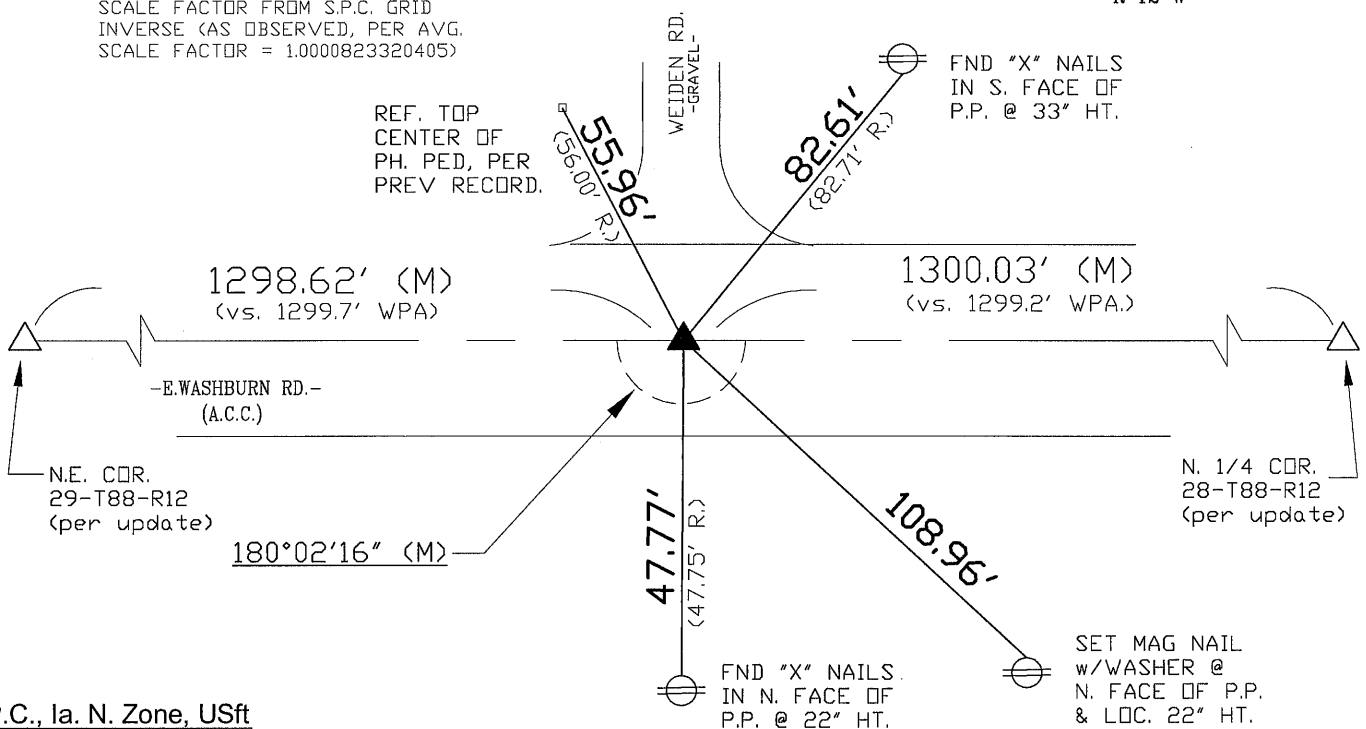
PLAN VIEW
"NOT TO SCALE"

"NOT TO SCALE"

BHco Hist. Ties: N/A
FIELD BOOK: BHco. #489 pp. 3-6

(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 = 1.0000823320405)



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

$N=3616281.77'$

E=5257656.40'

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

FIELD SURVEY: G.T. & J.Z. 6/16/09
PREPARED BY: G.T. & T.K. 8/11/10

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 10/29/2010
(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.E. Cor. NW1/4-NW1/4	28	88 N	12 W
S.E. Cor. SW1/4-SW1/4	21	88 N	12 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	
"Φ" =	per George Miller Survey (BHC Surveyor 1856-1860)	
"δ" =	per John Ball Survey (BHC Surveyor 1866-1891)	
"N" =	per Nathan Barber Survey (BHC Surveyor 1908-1931)	