

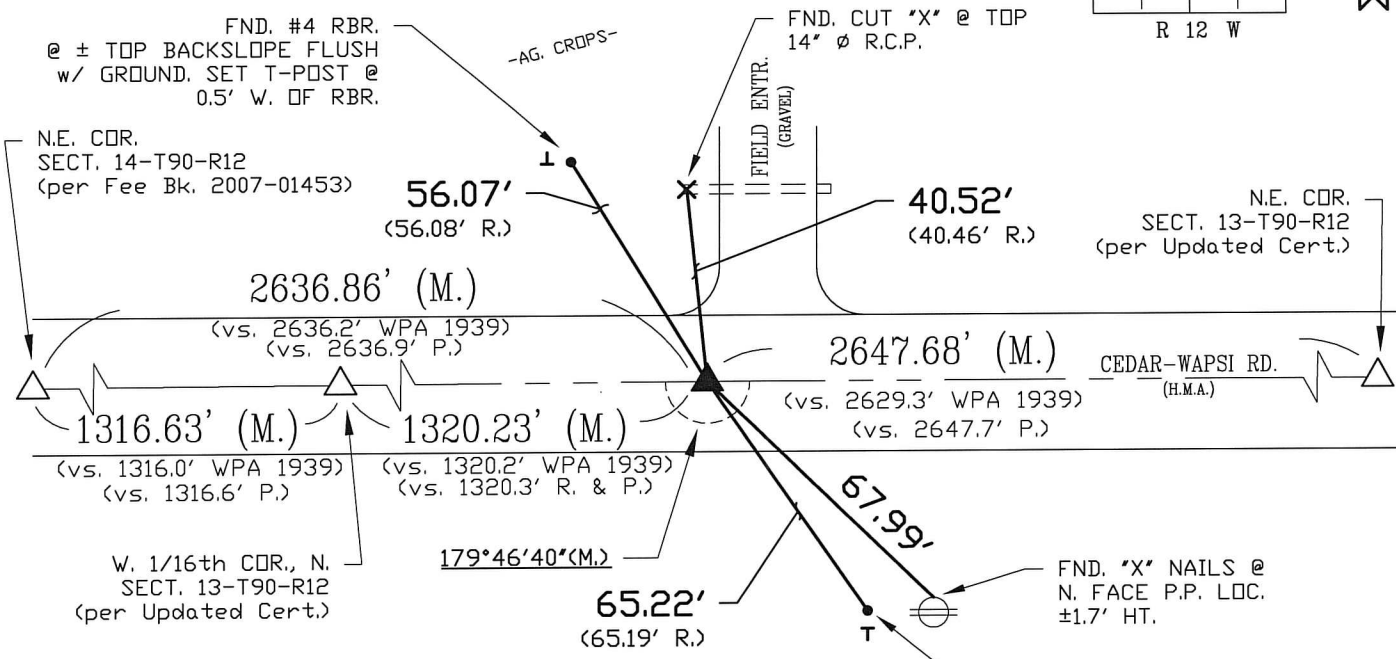
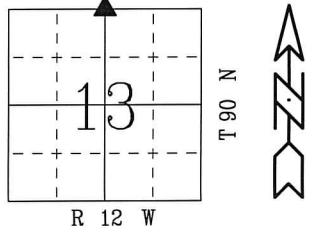
PREPARED BY: BLACK HAWK COUNTY ENGINEERS OFFICE
316 E. FIFTH STREET, ROOM 211 WATERLOO, IOWA 50703
PH.# (319) 833-3008
FAX.# (319) 833-3139
SLSI 9-94
BHCO 03-09

UNITED STATES PUBLIC LAND SURVEY CORNER CERTIFICATE OF
Land Survey Monuments situated in Section 13, Township 90 N,
Range 12 W, of the Fifth Principal Meridian, BLACK HAWK County, Iowa.
Previously recorded in MISC Book 334, Page 930, 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.
CORNER RESET & TIES UPDATED FOR H.M.A. RESURF. PROJECT LFM-1307--7X-07. PRIOR TO
RESURF. PROJECT, FOUND 1/2" (#4) REBAR PER MISC. BK. 334 P. 930 AND TEMP. REF. COR.
LOC. PER RTK GPS. AFTER 2" DP. MILL, NO SOUNDING REMAINED @ ± RTK REFERENCE
LOCATION, w/ NO FURTHER EXCAVATION. PVMNT. RESURFACED w/ +3.5" (2" INT. & 1.5"
SURF.) H.M.A. PAVING. AFTER H.M.A. RESURFACE, RESET CORNER WITH 6" L. MAG SPIKE w/
MTL. WASHER (PLS #15748) LOCATED @ ±0.25' NORTH OF H.M.A. JOINT AND ALIGNED WITH
CROP (SOD) LINE MARKED WITH "T" POSTS TO NORTH.

Project Point #: 1006
PLAN VIEW
"NOT TO SCALE"
BHco Hist. Ties: BK. #1003 p.13 90-12
FIELD BOOK: Ties per Topcon 7003i #Z0115

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

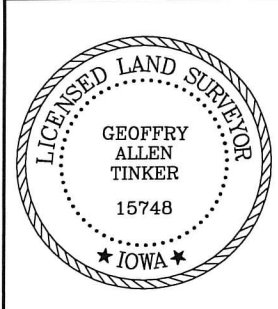
- 1.) TIES PER EDM MEASURE IN EITHER PRISM "OR" NON-PRISM MODE, WHILE UTILIZING "INDIRECT" MEASURE, WITH ALL DISTANCES PLUMB/HORIZ. (HD), UNLESS DENOTED.
- 2.) SECTION LINE MEASURE REFERS TO "LOCAL GROUND" DIST. AND INCLUDES ELLIPSOIDAL (COMBINED) SCALE FACTOR FROM S.P.C. GRID INVERSE (AS OBSERVED), PER AVG. SCALE FACTOR = 1.000097017623



S.P.C., Ia. N. Zone, USft
N = 3689441.72
E = 5268664.02
CONVERGENCE = 0° 52' 29"
(NAD83-NA2011 IARTN OBS.)

FIELD SURVEY: S.S. & G.T. 06/20/14
PREPARED BY: S.S. 10/13/14

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 10/22/2014
Geoffrey Allen Tinker (date)
License Number 15748
My license renewal date is December 31, 2014
Pages or sheets covered by this seal:
This Land Corner Certificate Only.

LIST CORNERS TO BE INDEXED

Corner	Section	Township	Range
N. 1/4 Cor.	13	90 N	12 W
S. 1/4 Cor.	12	90 N	12 W

INDEX OF ABBREVIATIONS

(M) = "Measured" Dimension
(P) = "Platted" Dimension
(R) = "Record" Dimension
(C) = "Calculated" Dimension
(GS) = Iowa Geodetic Survey
(WPA) = Works Progress Admin. Survey
"φ" = 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)
"NP" = Reflectorless EDM Meas.
"MLM" = Indirect Measure
"CM" = Concrete Monument
"SM" = Survey Marker Spike/Tag
"PK" = PK/MAG Nail Brand Style