

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 36, Township 88 N,  
Range 13 W, of the Fifth Principal Meridian, BLACK HAWK County, Iowa.  
Previously recorded in FEE Book N/A, Page N/A, 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. FOUND 3/4"Ø REBAR IN ACC  
PVMT. PRIOR TO HMA RESURFACING AND LOCATED NEAR WATERWAY TO SOUTH. CORNER  
TEMP. REF. PER RTK GPS, AND EXIST. PVMT. MILLED 1-1/2" & BASE WIDENED TO ±26'  
WIDTH WITH 2-1/2" H.M.A. SURFACE COURSE ADDED. CORNER LOCATION CORED 4"Ø AT  
FULL DEPTH ACC (15" DEEP) WITH STUB REBAR REMOVED WITH CORE. MAGNETIC  
SOUNDING STILL REMAINS IN ±CENTER OF CORE HOLE. RESET CORNER PER RTK GPS REF.  
WITH ±18"L. x 5/8" REBAR FLUSH w/HMA SURFACE. PATCHED CORE WITH ACC/HMA MIX,  
WITH CORNER LOCATED @ ±C.L. HMA/ACC PAVING JOINT. NO WPA RECORD MEASURE  
AVAILABLE FOR NORTH LINE SAID SECTION.

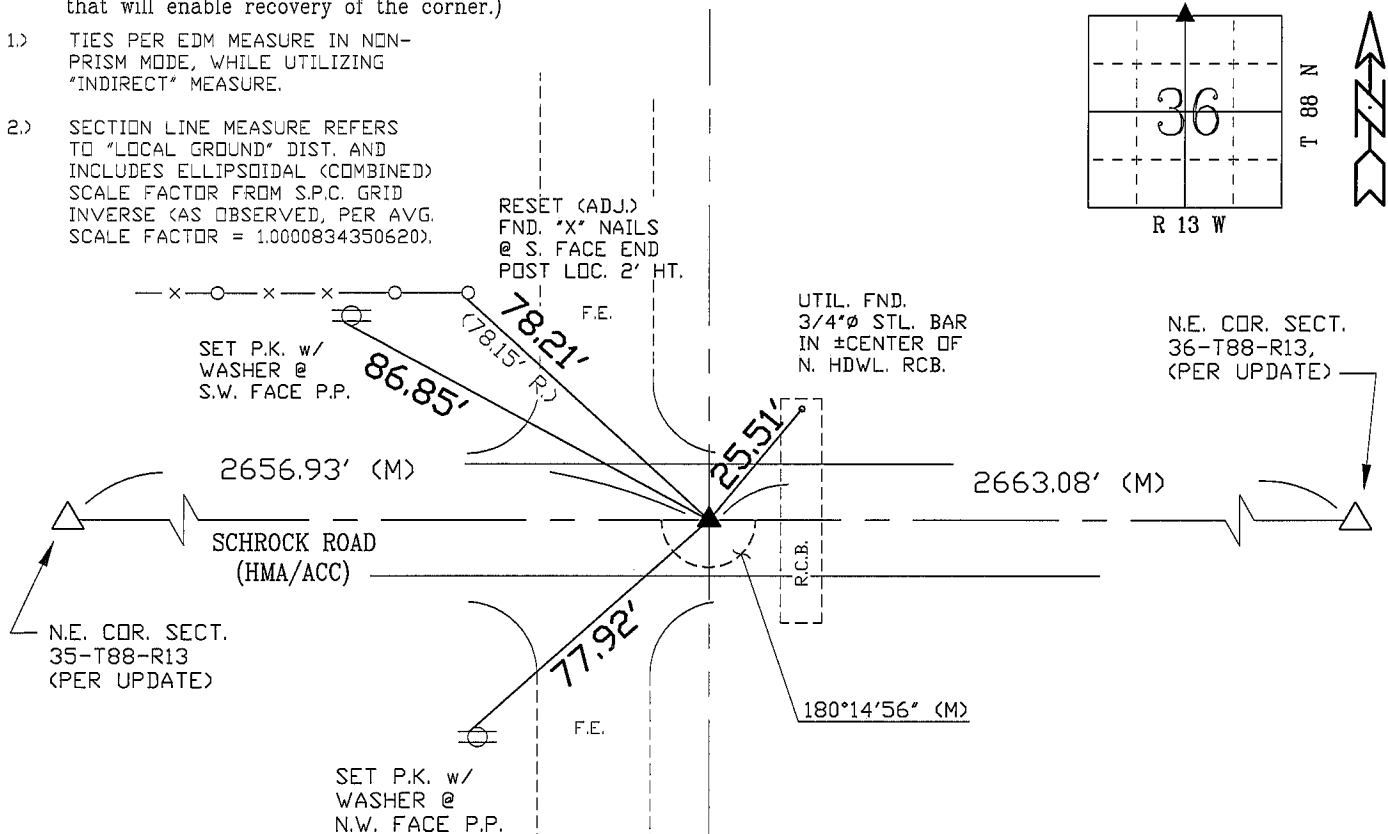
NOTE: ALL DISTANCES PLUMB/HORIZ.  
(H.D.), "UNLESS DENOTED".

### PLAN VIEW

BHco Hist. Ties: BK. #1001 p.36 88-13  
FIELD BOOK: BHco. #488 p.40

(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 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 = 1.0000834350620).



S.P.C., Ia. N. Zone, USft  
N=3610893.07  
E=5243086.16  
(NAD83-2007 "BHco07", RTK Obs.)

FIELD SURVEY: G.T. SEPT. 16-17, 2008  
PREPARED BY: G.T. & J.Z. 4/27/09

### 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* 04/27/2009  
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
N. 1/4 Cor.	36	88 N	13 W
S. 1/4 Cor.	25	88 N	13 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  
"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)  
"NP" = Reflectorless EDM Meas.  
"MLM" = Indirect Measure  
"CM" = Concrete Monument  
"SM" = Survey Marker Spike/Tag  
"PK" = PK/MAG Nail Brand Style