

U.S. (IA.) PUBLIC LAND SURVEY CORNER CERTIFICATE (Ia. 355.11)

B.H. Co. PROJECT: (Local)

ELDORA ROAD R.O.W. ACQUISITION N.E.1/4 - N.W.1/4 (# 54)
Per EASEMENTS FILED 2017-018629 and 2017-018633

INDEX OF ABBREVIATIONS

(M) = "Measured" Dimension
(P) = "Platted" Dimension
(R) = "Record" Dimension
(C) = "Calculated" Dimension
"IGS" = Iowa Geodetic Survey
"WPA" = Works Progress Admin. Surveys (late 1930's to early 1940's)
"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



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Recorded: 05/26/2017 at 03:26:34 PM
Fee Amt: \$0.00 Page 1 of 1
Black Hawk County Iowa
SANDIE L. SMITH RECORDER

File **2017-00020669**

Land Survey Monument(s) situated in Section **33**, Township **88 N.**, Range **14 W.**, of the Fifth Principal Meridian (5th P.M.), **BLACK HAWK** County, Iowa.

Previously recorded in FEE Book **2005**, Page **13275**, in County Recorder's Office.

(Show reason for preparing this certificate): Herein accepting a corner position which differs from that shown in current public records with County Recorder, per Ia. Code 355.11(1)(b).

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

Monument Description and Remarks: **E. 1/4 CORNER:**

IN CONTRAST TO PREV. RECORD, FOUND STD. W.P.A. C.M. LOCATED $\pm 0.14'$ NORTH OF PREV. FOUND 1" DIA. PINCHED PIPE. C.M. LOCATED $\pm 7"$ Dp., w/PINCHED PIPE LOC. $\pm 1/2"$ BELOW TOP OF CONC. MONUMENT. CORNER RECOVERED IN NOV. 2004 REFERED TO P.L.S. #7034 CALL FOR CORNER AS "FND. I.P." PER MISC. 241 p.294 PLAT OF SURVEY (Dtd. 8-1981). LIMITED ECAVATION ON TWO SEP. ACCOUNTS DIDN'T IDENTIFY W.P.A. C.M. NORTH OF PINCHED PIPE, UNTIL CORNER RECOVERY WAS CONDUCTED ON 02/28/2017 FOR R.O.W. ACQ. PLATS (NOTED ABOVE) AND CHECK(S) UPON PREV. CORNER REFERENCE. PREV. COUNTY TIES (BK. #1001 ref.) CALLS FOR "I.P. OVER C.M." w/C.M. ELV. OF 914.33. OBS. W.P.A. C.M. ELEV. (per IaRTN RTK GPS W.A. OF TWO OBS. SETS) AT 914.95' (NAVD88). PREV. CORNER REF. TO PINCHED PIPE (I.P.) INITIALLY IN 2004 FOR CONSERVATION SURVEY PER NOV. 2004 CENTER OF SAID SECTION EST. AND R.O.W. ACQ. PLAT PER FILE 2013-000564. NO AFFIDAVITS PLANNED, DUE TO SINGLE POINT DIFF. STILL $> 1:5000$.

Software: TopSurv v.8.2.3 w/FC-2500

Proj. Dept. # 54 & 599 Point ID: #21112

PLAN VIEW

"NOT TO SCALE"

BHco Eng. Ties: BK. #1001 p.33 88-14

FIELD BOOK: (n/a), per Field Sketch (G.T.)

(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 BOTH PRISM "AND" NON-PRISM MODES, WHILE UTILIZING "INDIRECT" (MLM) MEASURE, WITH ALL DISTANCES PLUMB/HORIZ. (H.D.).
- 2.) REFER TO ACQ. PLAT PER FILE 2013-000564 REGARDING FURTHER SECTION LINE AND ELDORA / ZANETA RD. GEOM. REF.'S, IN ADDITION TO N.W. 1/4 SECT. 34 DIVISION RELATIVE TO PREV. 1" PINCHED PIPE, AND LOC. AT: N.=3607539.36, E.=5197991.34 per NAD83-2011 (IaRTN RTK).

#4 RBR w/ FADED CAP
PLS# 7034 (@ 0.27' N. OF
C.L. OF SAID SECTION,
PER PREV. I.P. REF.)

W. 1/4 COR.
33-88-14
#6 RBR. PER
REC'D. TIES.

UTIL. FND. #4 RBR
w/o CAP PLS# 7034
(@ 0.06' N. OF C.L. OF
SAID SECTION, PER
PREV. I.P. REF.)

(50.11' R.
to I.P.)
50.15'
(50.0' P)

28.0' (+/-)

SET #5x30"L. REBAR
REF. TIE. ("NOT" ON
C.L. OF SAID SECT.)

W.P.A. C.M.
(ELV. ± 915.0)

32.27'
(32.38' R. to I.P.)
(31.8' BHco.)

UTIL. FND. "X"
NAILS W. FACE
P.P. @ BASE

1" PINCHED PIPE
@ $\pm 0.14'$ S. OF
W.P.A. C.M.

5258.67' (R. to I.P.)
*AZ. = 269°45'48"

572.1' (R. to I.P.)
(571.97' P)

59.06'
(58.95' M.
to I.P. vs.
59.06' R.)

UTIL. FND. #5 RBR.
JUST E. OF T-POST
IN WIRE FENCE LINE.

FIELD SURVEY: G.T. / L.D. / A.B. 05/15/17

PREPARED BY: G.T. / L.D. / A.B. 5/26/17

* AZ. REF.: (PER PREV. RECORD CERT.)
AZ. REF. FROM I.P. WITH SECTION LINE
DISTANCE PER RTK GPS, OBSERVED
11/19-23/2004 & ASSUMED (+/- GEODETIC)
UPON LOCAL HORIZ. PLANE (HD).

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

N=3607539.50'

E=5197991.33'

(NAD83-2011 IaRTN RTK Obs.)

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 05/26/2017
Geoffrey Allen Tinker (date)

License Number **15748**

My license renewal date is December 31, **2018**

Pages or sheets covered by this seal:

This Land Corner Certificate Only.



LIST CORNERS TO BE INDEXED

Corner	Section -	Township -	Range
E. 1/4 Cor.	33	88 N	14 W
W. 1/4 Cor.	34	88 N	14 W



PREPARED BY:

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