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

B.H. Co. PROJECT: FM-C007(139)--55-07

KIMBALL AVE. (V27) RESURFACING PROJECT (2016) COLD IN-PLACE RECYCLING w/HMA RESURFACING
INDEX OF ABBREVIATIONS

"Measured" Dimension

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. Surveys (late 1930's to early 1940's)
"Ğ" = per George Miller Survey (BHco Surveyor 1858-1860)
"B" = per John Ball Survey (BHco Surveyor 1866-1891)
"Ñ" = per Nathan Barber Survey (BHco Surveyor 1908-1931)

Doc ID: 007510480002 Type: GEN Recorded: 12/12/2016 at 03:49:40 PM Fee Amt: \$0.00 Page 1 of 2 Black Hawk County Iowa SANDIE L. SMITH RECORDER

File 2017-00010909

Land Survey Monument(s) situated in Section 16, Township 87 N., Range 13 W., of the Fifth Principal Meridian (5th P.M.), BLACK HAWK County, Iowa. Previously recorded in File (Fee) Book 2005, Page 10193, 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.E. COR.: Monument Description and Remarks: N.E. COR.:

CORNER ALSO PREVIOUSLY RECORDED IN MISC. BOOK 295 p.276 DTD. 03-28-1991 PER PLS

#8033 AS A FOUND 1"Ø REBAR. CORNER RESET & TIES UPDATED PER COLD-IN-PLACE.

RECYCLING & H.M.A. RESURF. PROJECT FM-C007(139)--55-07. PRIOR TO RESURF. PROJECT,

FOUND 1"Ø IRON PIN PER CURRENT COR. CERT. & TEMP. REF. COR. LOC. PER RTK GPS (IQRTN).

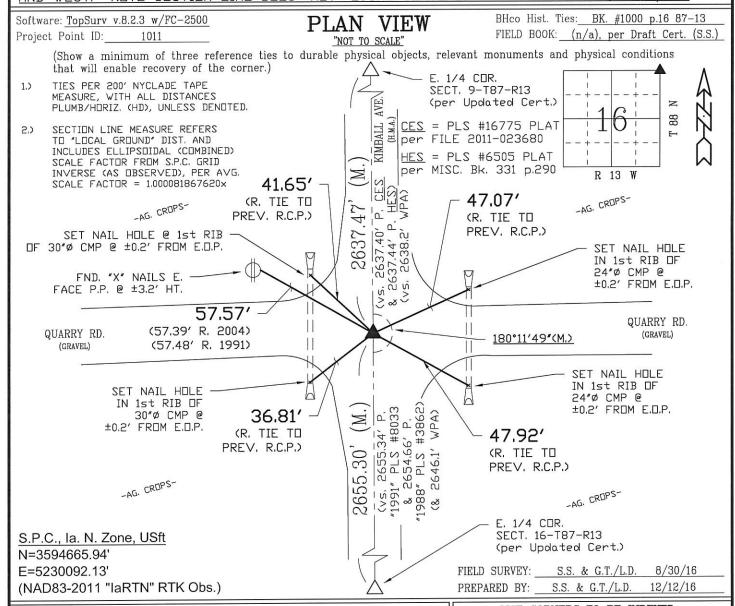
AFTER 3" DP. MILL (RECYCLE), NO SOUNDING REMAINED @ ±RTK REFERENCED LOCATION w/ NO

FURTHER EXCAVATION. PVMT. RESURFACED w/ +3" (1.5" 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)

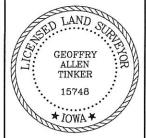
@ ±2.65' WEST OF H.M.A. JOINT AND ALIGNED ± w/ CENTERLINE OF QUARRY ROAD TO EAST

AND WEST. NOTE SECTION LINE DOES "NOT" EQUAL CENTERLINE OF RD. IN AREA, PER p.#2.



${\it 'ERTIFICATION'}$

Page



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.

12/12/2016 Allen Tinker a Tunt *Sleey* Geoffry (date)

15748 License Number My license renewal date is December 31, 2016

Pages or sheets covered by this seal: This Land Corner Certificate Only, 2pp.

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Section -	Township -		Range
16	87	N.	13 W.
15	87	N.	13 W.
09	87	N.	13 W.
10	87	N.	13 W.
	<u>Section</u> - 16 15 09	Section - Towns 16 87 15 87 09 87	16 87 N. 15 87 N. 09 87 N.



PREPARED BY: BLACK HAWK COUNTY ENGINEER'S DEPT. 316 E. FIFTH ST., RM. 211 WATERLOO, IA. 50703 PH. 319-833-3008 FAX. 319-833-3139

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B.H. Co. PROJECT: FM-C007(139)--55-07

KIMBALL AVE. (V27) RESURFACING PROJECT (2016) COLD IN-PLACE RECYCLING w/H.M.A. RESURFACING

BLACK HAWK COUNTY

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surveyor@co.black-hawk.ia.us

FIELD SURVEY: S.S. & G.T./L.D. 8/30/16 PREPARED BY: S.S. & G.T./L.D. 12/12/16

Land Survey Monument(s) situated in Section <u>16</u>, Township <u>87 N.</u>, Range <u>13 W.</u>, of the Fifth Principal Meridian (5th P.M.), <u>BLACK HAWK Coun</u>ty, Iowa. Previously recorded in File (Fee) Book <u>2005</u>, Page <u>10193</u>, 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.E. COR. AND C.L. P.I. GEOMETRICS:

REFERENCES TO P.I. GEOM. PROVIDED FOR AS CONSTRUCTED (AS-BUILD) DETAILS RELATIVE TO LAND CORNER TIE DETAILS PROVIDED ON p.#1. NO HISTORICAL GEOMETRICS WERE FOUND THAT DEFINED EXISTING CENTERLINE OF KIMBALL AVE. DEFLECTING THROUGH INTERSECTION AND TO SOUTH (APPARENT TWIN 12'x8' RCB REPL. PROJECT IN 1989) RELATIVE TO SECTION LINE.

CONSTRUCTED BEST FIT EDGE LINES OF PREV. A.C.C. PAVEMENT (PRIOR TO H.M.A. RESURF.) AND DEFINED C.L. GEOMERICS AS ESTABLISHED PER P.I. DETAILS.

