

REQUEST FOR PROPOSALS
EASEMENT BOUNDARY SURVEY AND STAKING SERVICES
March 2025 | ESTABLISHED NUTRIENT REDUCTION WETLANDS
SOLICITATION #PLS25-1

The Iowa Department of Agriculture through the Division of Soil Conservation and Water Quality (Division) is issuing a request for proposals (RFP) to re-stake, as needed, twelve (12) established Nutrient Reduction Wetland(s); one (1) located in Carroll County, one (1) in Dallas County, one (1) in Greene County, two (2) in Grundy County, one (1) in Guthrie County, one (1) in Kossuth County, one (1) Linn County, one (1) in Pocahontas County, one (1) in Sac County and two (2) in Webster County. The submission instructions, project locations and specifics are provided in this document.

Professional Land Surveyors licensed in the State of Iowa are invited to submit proposals for completing the services described in this RFP.

We have provided the description of the subject sites, including the plat of survey, estimated number of 6-foot-tall T-steel posts, estimated number of 2-inch diameter with minimum 4-foot high PVC pipe sleeves and the estimated number of marker signs needed. The successful Consultant will be responsible for providing the T-steel posts, PVC sleeves and hardware. DIVISION will provide the signs. Please do not contact the landowners or discuss provision of technical services with them or their neighbors.

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Submission Instructions

Proposals must be received by 9:00 AM Monday, April 1, 2025 . Submissions received after that time will not be considered.

Proposals should be submitted to Tracy Bruun at: tracy.bruun@iowaagriculture.gov. Follow up with a second email containing no attachments to confirm that the files have been received. In the event of attachment failure from file size restrictions, alternate submission formats will be handled on a case-by-case basis. If you do not receive a confirmation email receipt, please call Tracy at 515-344-6279 (cell).

Information for All Proposals

Timeline for completion

The site summary information provides the estimated number of missing boundary markers for each site. Sites with the greatest number of missing boundary markers should be prioritized in the order of work, and **ideally all sites should have defined boundaries prior to spring planting 2025**. The contract completion date for all work will be set to December 30, 2025.

Proposal requirements

By submitting a Proposal, the firm or individual affirms that they are legally eligible to contract with the State of Iowa and are not currently facing bankruptcy or litigation that would prevent them from contracting with the State of Iowa. Proposals must document the firm or individual's experience and sufficiency to complete the requested services. Documented experience should not exceed two (2) pages and should include information regarding your or your firm's performance record with respect to timeliness, quality, and project management. Provide the office location(s), organizational framework of the team that will be completing this work and resumes for each team member that will be involved. The survey work must be completed by a Land Surveyor licensed under Iowa Code chapter 542B. Resumes should not exceed one (1) page each and should provide license numbers for any licensed Land Surveyors.

Proposals shall include the estimated total cost and a proposed schedule with targeted completion dates for each site. Proposed schedules will be reviewed by the Division, and we may reach out to Consultants to discuss potential schedule adjustments prior to final Consultant selection. We request that a breakdown of the total cost be provided for each site including materials, personnel costs, equipment costs, mileage, office expenses, and any other miscellaneous expenses, see template on last page.

If unanticipated conditions arise during the course of the contract that are outside of the defined scope of work, then the contract will be amended as mutually agreed to cover the additional work.

In summary, the proposal submittals shall include the following information:

- Office location(s) and organizational framework,
- Resumes for each team member who will be involved in completing this work, and license numbers for all Land Surveyors licensed in the State of Iowa,
- Documented experience demonstrating sufficiency to complete the work described in the Scope of Services,
- Proposed timeline for completing the easement boundary survey and staking work for each site,

- Total estimated hours, personnel hourly rates, and cost extension for each site,
- Unit prices for 6ft T-steel posts and 2in diameter, 4ft minimum height PVC sleeves (hardware to install signs is incidental),
- Equipment rental, copying, mailing, telephone, per diem, travel, and any other miscellaneous expenses necessary to complete the work for each site, and these cost breakdowns and their totals for all sites.

Consultant Selection

Consultant selection for these contracts will be determined through evaluation of qualifications and proposals, and a contract will be sent to the selected Consultant for their review and signature.

The contract will be based on unit prices with an estimated cost for each site. Boundary marker supplies will be paid based on the final installed quantities; the estimated number of supplies required for each site are provided for reference when developing proposals. The estimated cost for completing the easement boundary survey and staking at each site shall serve as a not to exceed price unless the scope of services is modified, or additional payment is approved by the Division. Once selected, the Consultant shall enter into a contract with the Division as submitted by the Division. Work may commence after the contract is fully executed. All field work shall be coordinated with the landowner with the assistance of the Division. The Division has already secured the necessary access rights to the site

Scope of Services

Easement Boundary Survey and Marking

The easements described for each site included here were previously surveyed and marked. Site inspections identified missing, damaged, or otherwise incorrect boundary markers. Without a survey, the full extent of the missing or damaged boundary markers at each site is unknown but has been estimated in the individual site summaries. For each site, the selected Consultant will verify correct placement of any existing above ground witness markers and replace, correct, or repair any missing, incorrect, or damaged above ground witness markers so that the easement is properly identified as described below. At certain sites, permanent boundary stakes may also be missing and will need to be placed.

Communications and interactions with landowners while working on their property are critical. The Consultant shall designate an individual as the primary communicator with the landowner. This individual shall provide a minimum 24-hour notice to the landowners prior to entering the property unless some other arrangements are made after the first interaction.

1. For each site, Consultant shall meet with a representative of the Wetland Field Specialist and the landowner prior to commencing the survey to ensure that the easement area is properly identified and delineated.
2. Based on the easement plat of survey provided for each site, Consultant will reestablish the easement boundary and install markers as needed – see #3 and #4 below. Photographs should be taken to document the site before and after completing this work. The survey must meet accepted industry standard practice for this type of work.

3. Permanent markers were installed at each corner or angle change and every 250 feet on straight runs or every 500 feet on existing fences and adjacent to public roads. Verify that all permanent markers are in place and if a permanent marker is not found according to the Survey of Plat, it should be denoted and reported to the Division. An amendment may be issued as necessary and agreed upon between the Division and Consultant for placement of permanent markers, and any additional accompanying work that requires.
4. Where missing, damaged, or otherwise incorrect, above ground witness markers will be re-installed by each permanent marker. The witness marker will be a 6-foot T-steel post and 4-foot (minimum length) of 2-inch solid PVC pipe slid over the T-steel post. The Division will provide the Consultant with small boundary signs to be installed on every other post as needed. Hardware to install these signs is incidental to the cost of the posts and PVC sleeves. Example above ground witness marker is shown below:



Consultant to provide:

- T-steel posts, 6-foot tall.
- PVC sleeve, 4-foot (minimum length) of 2-inch solid PVC pipe.
- hardware to attach sign.

Division to provide:

- Signs (approximately 6-inch X 8-inch)

5. The successful Consultant will be provided with electronic copies of the recorded easement plat and a table of previously surveyed points for each site.

As part of completing this work, the consultant shall submit the following deliverables:

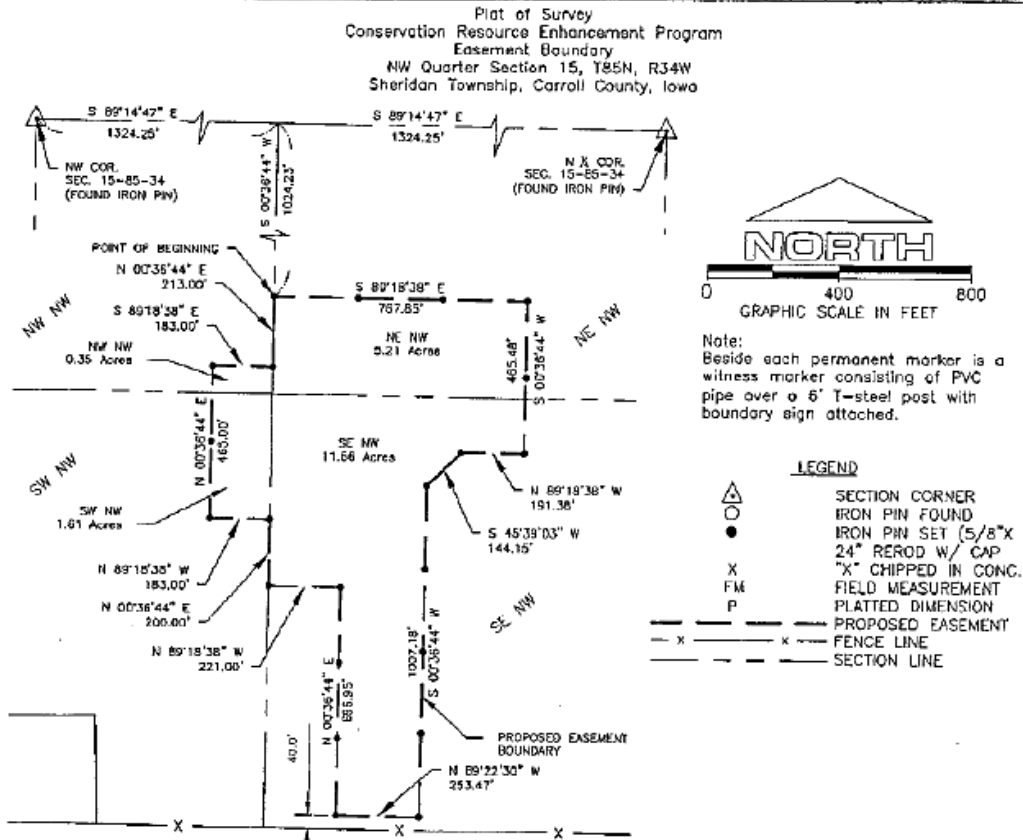
- All copies of records and documentation of the work completed to correctly mark the easement boundary at each site, (photos, receipts for materials, recorded plat of survey if applicable)
- A compact disk or other form of electronic file that includes a copy of all digital photographs taken of each site

Car-1 (853415B) Bk 2010 Pg 2823

This project is located in northern Carroll County, Iowa, approximately 6 miles west of Lanesboro.

Easement Acres	Estimated # of missing/damaged:		
	T-steel posts	PVC Sleeves	Signs
11.66	15	15	10

WARDER C. HILLHOUSE, JR. M.H.F. ENGINEERING P.C. 300 W. MCKINLEY JEFFERSON, IA. (515)386-4101



EASEMENT:

EASEMENT BOUNDARY PART OF THE NORTHWEST QUARTER OF SECTION 15, TOWNSHIP 85 NORTH, RANGE 34 WEST OF THE 5TH P.M., SHERIDAN TOWNSHIP, CARROLL COUNTY, IOWA, MORE PARTICULARLY DESCRIBED AS COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 15; THENCE SOUTH 89°14'47" EAST, 1324.25 FEET ALONG THE NORTH LINE OF THE NORTHWEST QUARTER; THENCE SOUTH 00°36'44" WEST, 1024.23 FEET ALONG THE EAST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 15 TO THE POINT OF BEGINNING; THENCE SOUTH 89°18'38" EAST, 767.85 FEET; THENCE SOUTH 00°36'44" WEST, 465.48 FEET; THENCE NORTH 89°18'38" WEST, 191.38 FEET; THENCE SOUTH 15°39'03" WEST, 144.15 FEET; THENCE SOUTH 00°36'44" WEST, 1007.18 FEET; THENCE NORTH 89°22'30" WEST, 253.47 FEET; THENCE NORTH 00°36'44" EAST, 695.95 FEET; THENCE NORTH 89°18'38" WEST, 221.00 FEET TO THE WEST LINE OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 15; THENCE NORTH 00°36'44" EAST, 200.00 FEET ALONG THE WEST LINE OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 15; THENCE NORTH 39°18'38" WEST, 183.00 FEET; THENCE NORTH 00°36'44" EAST, 465.00 FEET; THENCE SOUTH 89°18'38" EAST, 183.00 FEET TO THE EAST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 15; THENCE NORTH 00°36'44" EAST, 113.00 FEET ALONG THE EAST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 15 TO THE POINT OF BEGINNING CONTAINING 18.83 ACRES SUBJECT TO EASEMENTS APPARENT OR OF RECORD.

	I hereby certify that this land surveying document 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.	
	<i>Warder C. Hillhouse Jr.</i> Signature	7/2/09 Date
	Warder C. Hillhouse, Jr. Printed or Typed Name	
	License number 6805	
	My license renewal date is Dec. 31, 2009	
	Pages or sheets covered by this seal: 1	



M.H.F. ENGINEERING, P.C.
ENGINEERS - LAND SURVEYORS
Jefferson, Iowa 50129 Ph. (515)386-4101

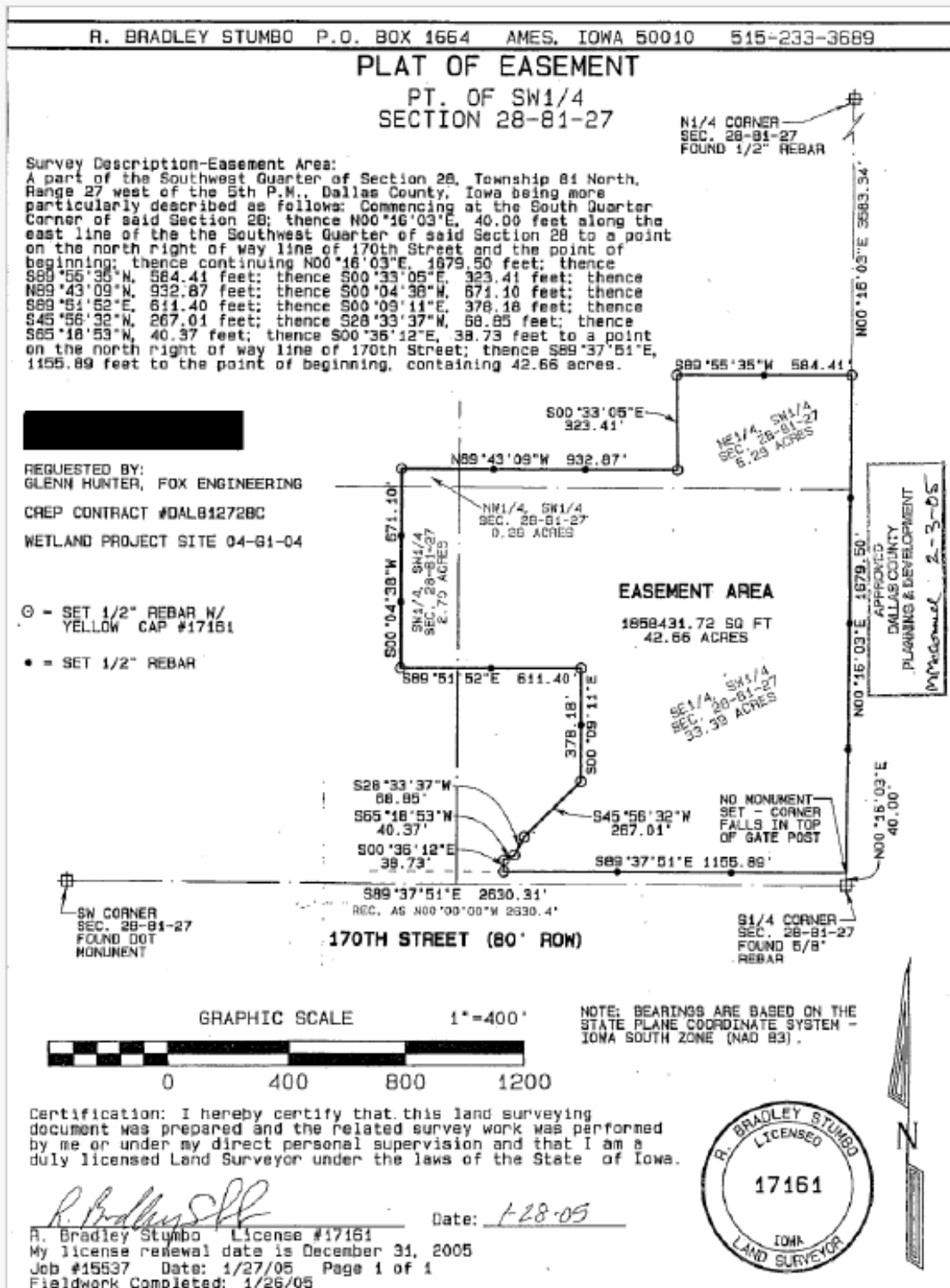
FIELD WORK DATE: 7/09

08178-5

Dal-1 (812728C) Bk 2005 Pg12992

This project is located in northern Dallas County, Iowa, approximately 2.5 miles north and 1.5 miles east of Minburn.

Easement Acres	Estimated # of missing/damaged:		
	T-steel posts	PVC Sleeves	Signs
42.66	15	15	10

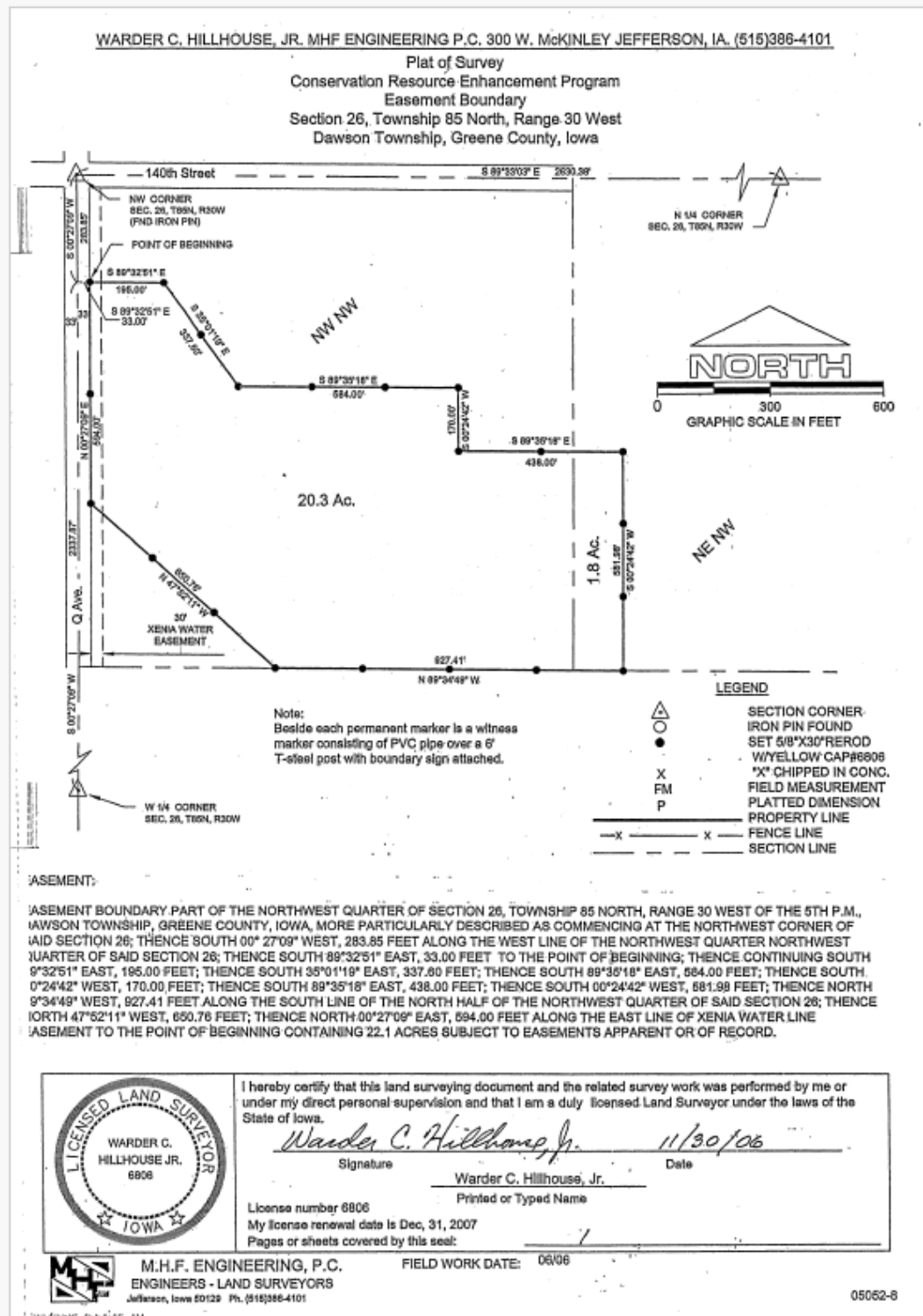


EASEMENT BOUNDARY SURVEY AND STAKING SERVICES
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Gre-1 (853026B) Bk 26 Pg 468 No.2006-2357

This project is located in northern Greene County, Iowa, approximately 3 miles west and 1 mile south of Paton.

Easement Acres	Estimated # of missing/damaged:		
	T-steel posts	PVC Sleeves	Signs
20.3	15	15	10

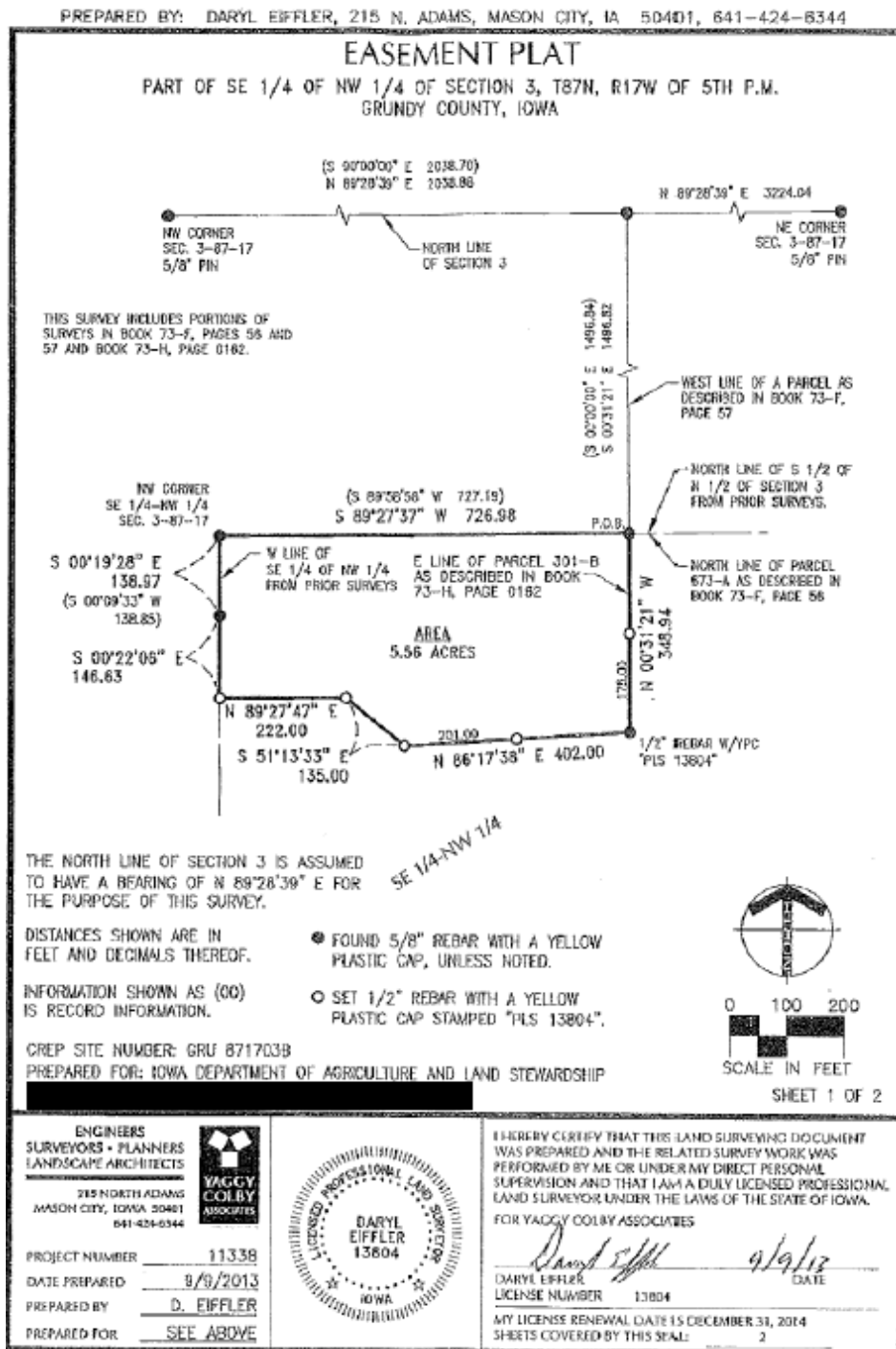


EASEMENT BOUNDARY SURVEY AND STAKING SERVICES
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Gru-1 (871703B) Bk 2014 Pg 0367 and Bk 2013 Pg 2313

This project is located to the northwest of Grundy Center, Grundy County, Iowa, approximately two miles west and 1.5 miles north of Grundy Center. There are two plats of survey associated with the project easement boundary.

Easement Acres	Estimated # of missing/damaged:		
	T-steel posts	PVC Sleeves	Signs
5.56	15	15	10
15.10			



Gru-1 (871703B) CONTINUED

PREPARED BY: DARYL EIFFLER, 215 N. ADAMS, MASON CITY, IA 50401, 641-424-6344

EASEMENT PLAT

PART OF SE 1/4 OF NW 1/4 OF SECTION 3, T87N, R17W OF 5TH P.M.
GRUNDY COUNTY, IOWA

EASEMENT DESCRIPTION

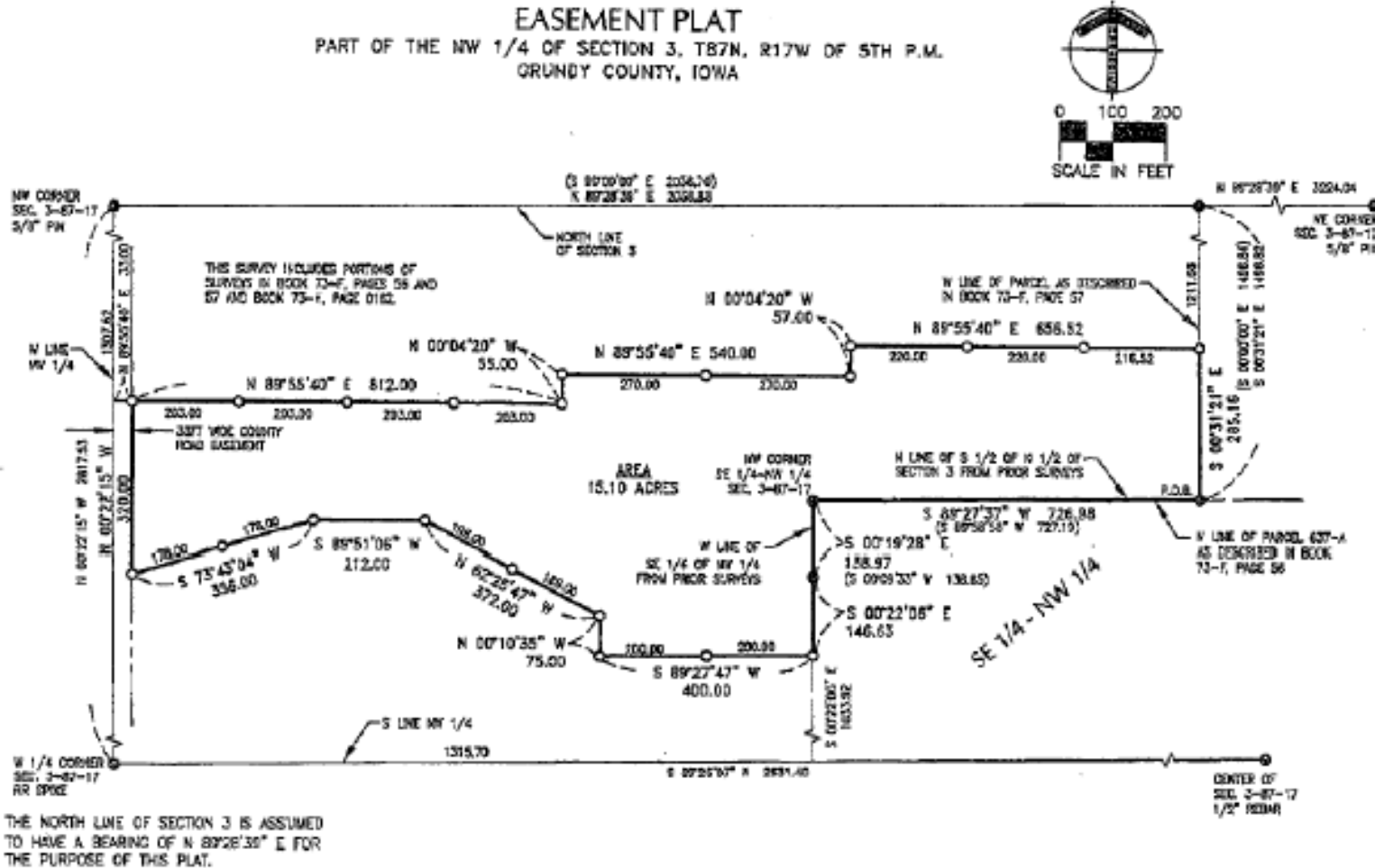
That part of the Southeast Quarter of the Northwest Quarter of Section 3, Township 87 North, Range 17 West of the 5th P.M., Grundy County, Iowa, described as follows:

Commencing at the northwest corner of said Section 3;
Thence North 89 degrees 28 minutes 39 seconds East (assumed bearing) along the north line of said Section 3 a distance of 2,038.88 feet, recorded as (South 90 degrees 00 minutes 00 seconds East 2,038.70 feet) to the west line of a parcel described in Book 73-F, Page 57;
Thence South 00 degrees 31 minutes 21 seconds East along said west line 1,496.82 feet, recorded as (South 00 degrees 00 minutes 00 seconds East 1,496.84 feet) to the north line of the South Half of the North Half of Section 3 described in prior recorded surveys and the point of beginning;
Thence South 89 degrees 27 minutes 37 seconds West along said north line 726.98 feet, recorded as (South 89 degrees 58 minutes 58 seconds West 727.19 feet) to the west line of the Southeast Quarter of said Northwest Quarter described in prior surveys;
Thence South 00 degrees 19 minutes 28 seconds East along said west line 138.97 feet, recorded as (South 00 degrees 09 minutes 33 seconds West 138.85 feet) to the southerly line of Parcel 573-A as described in Book 73-F, Page 56;
Thence South 00 degrees 22 minutes 06 seconds East 146.63 feet;
Thence North 89 degrees 27 minutes 47 seconds East 222.00 feet;
Thence South 51 degrees 13 minutes 33 seconds East 135.00 feet;
Thence North 86 degrees 17 minutes 38 seconds East 402.00 feet to the east line of Parcel 301-B described in Book 73-H, Page 0162;
Thence North 00 degrees 31 minutes 21 seconds West along said east line 348.04 feet to the point of beginning, containing 5.56 acres, more or less.

SHEET 2 OF 2

Gru-1 (871703B) CONTINUED

PREPARED BY: DARYL EFFLER, 215 N. ADAMS, MAISON CITY, IA 50401, 641-424-0344



PART OF THE NW 1/4 OF SECTION 3, T87N, R17W
OF 5TH P.M.
GRUNDY COUNTY, IOWA
EASEMENT PLAT

PROFESSIONAL LAND SURVEYOR

DARYL EFFLER

13804

IOWA

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 PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF IOWA.

FOR YAGGY COLBY ASSOCIATES

Daryl Effler 9/9/22
DATE

DARYL EFFLER 13804
LICENSE NUMBER

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2024
SHEETS COVERED BY THIS SEAL: 2

DATE	1/28/22
BY	YAGGY COLBY ASSOCIATES
DATE REVISION	5/25/2022
REVISION	CL. EFFLER
REVISION	SEC. 187
REVISION	SEC. 187

Gru-1 (871703B) CONTINUED

EASEMENT DESCRIPTION

That part of the Northwest Quarter of Section 3, Township 87 North, Range 17 West of the 5th P.M., Grundy County, Iowa, described as follows:

Commencing at the northwest corner of said Section 3;
 Thence North 89 degrees 28 minutes 39 seconds East (assumed bearing) along the north line of said Section 3 a distance of 2,038.88 feet, recorded as (South 90 degrees 00 minutes 00 seconds East 2,038.70 feet) to the west line of a parcel described in Book 73-F, Page 57;
 Thence South 00 degrees 31 minutes 21 seconds East along said west line 1,496.82 feet, recorded as (South 00 degrees 00 minutes 00 seconds East 1,496.84 feet) to the north line of the South Half of the North Half of Section 3 described in prior recorded surveys and the point of beginning;
 Thence South 89 degrees 27 minutes 37 seconds West along said north line 726.88 feet, recorded as (South 89 degrees 58 minutes 58 seconds West 727.19 feet) to the west line of the Southeast Quarter of said Northwest Quarter described in prior surveys;
 Thence South 00 degrees 19 minutes 28 seconds East along said west line 138.97 feet, recorded as (South 00 degrees 09 minutes 33 seconds West 138.85 feet) to the southerly line of Parcel 673-A as described in Book 73-F, Page 56;
 Thence South 00 degrees 22 minutes 06 seconds East 146.63 feet;
 Thence South 89 degrees 27 minutes 47 seconds West 400.00 feet;
 Thence North 00 degrees 10 minutes 35 seconds West 75.00 feet;
 Thence North 82 degrees 25 minutes 47 seconds West 372.00 feet;
 Thence South 89 degrees 51 minutes 08 seconds West 212.00 feet;
 Thence South 73 degrees 43 minutes 04 seconds West 356.00 feet to a point 33.00 feet East of the west line of said Northwest Quarter;
 Thence North 00 degrees 22 minutes 15 seconds West 320.00 feet;
 Thence North 80 degrees 06 minutes 40 seconds East 812.00 feet;
 Thence North 00 degrees 04 minutes 20 seconds West 56.00 feet;
 Thence North 89 degrees 55 minutes 40 seconds East 540.00 feet;
 Thence North 00 degrees 04 minutes 20 seconds West 57.00 feet;
 Thence North 89 degrees 55 minutes 40 seconds East 656.52 feet to the west line of a survey in Book 73-F, Page 57;
 Thence South 00 degrees 31 minutes 21 seconds East along said west line 285.16 feet to the point of beginning, containing 15.10 acres, more or less.

PREPARED BY: DARYL EITLER, 215 N ADAMS, WASON CITY, IA 50401, 041-424-6344



PART OF THE NW 1/4 OF SECTION 3, 187N, R17W
OF 5TH P.M.,
GRUNDY COUNTY, IOWA
EASEMENT PLAT

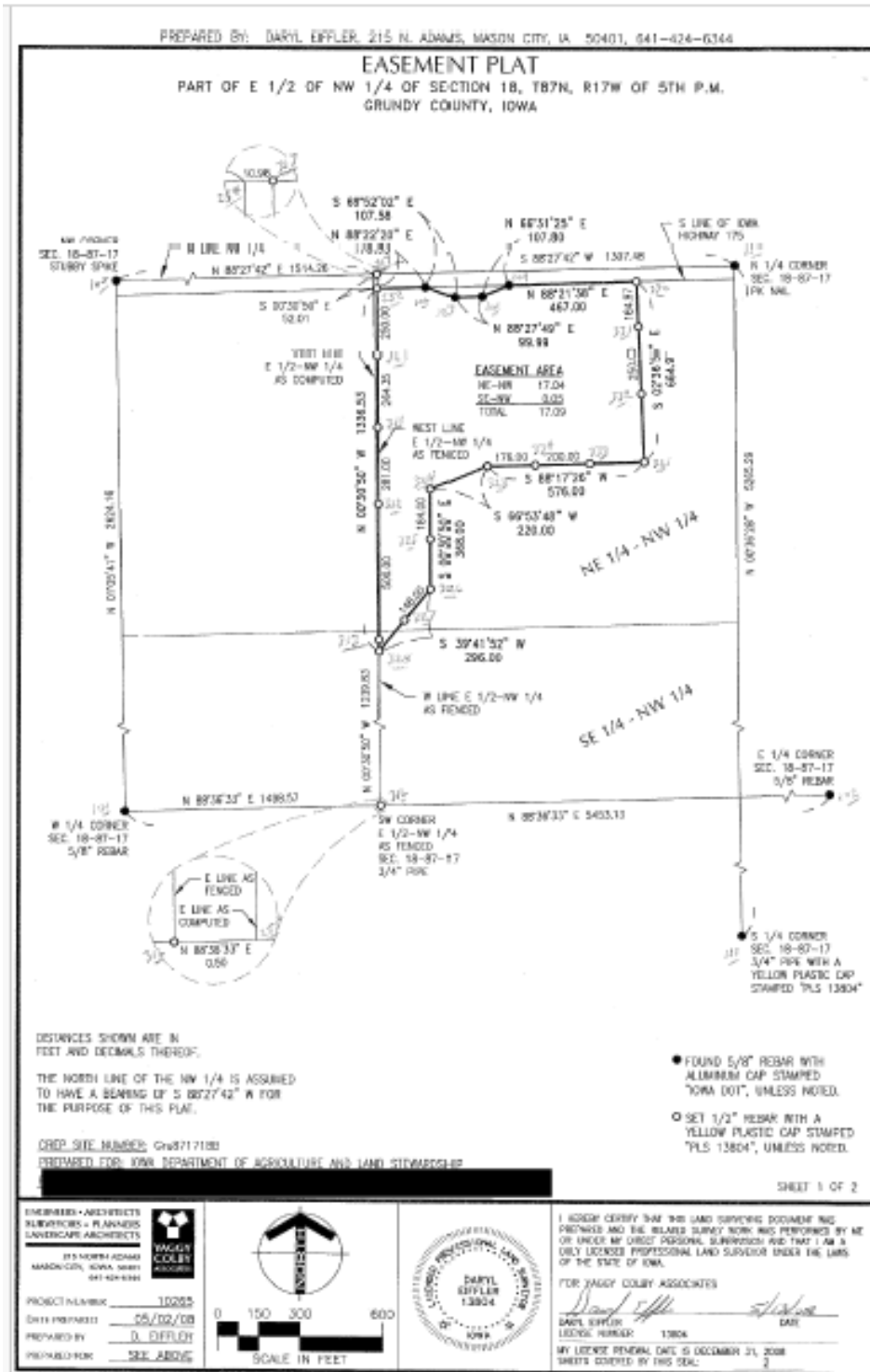
PROJECT	14206
CLIENT	TRIMBLE/2080
DATE	2/2/2025
DRAWN BY	D. EITLER
REVISIONS	SEE SHEET 1
DATE	SEE SHEET 1

EASEMENT BOUNDARY SURVEY AND STAKING SERVICES
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Gru-2 (871718B) Bk 2008 Pg 2286

This project is located to the west of Grundy Center, Grundy County, Iowa, approximately 5 miles, south side of highway 14.

Easement Acres	Estimated # of missing/damaged:		
	T-steel posts	PVC Sleeves	Signs
17.09	15	15	10



Gru-2 (871718B) Bk 2008 Pg2286 continued

PREPARED BY: DARYL EIFFLER, 215 N. ADAMS, MASON CITY, IA 50401, 641-424-6344

EASEMENT PLAT

PART OF E 1/2 OF NW 1/4 OF SECTION 18, T87N, R17W OF 5TH P.M.
GRUNDY COUNTY, IOWA

EASEMENT DESCRIPTION

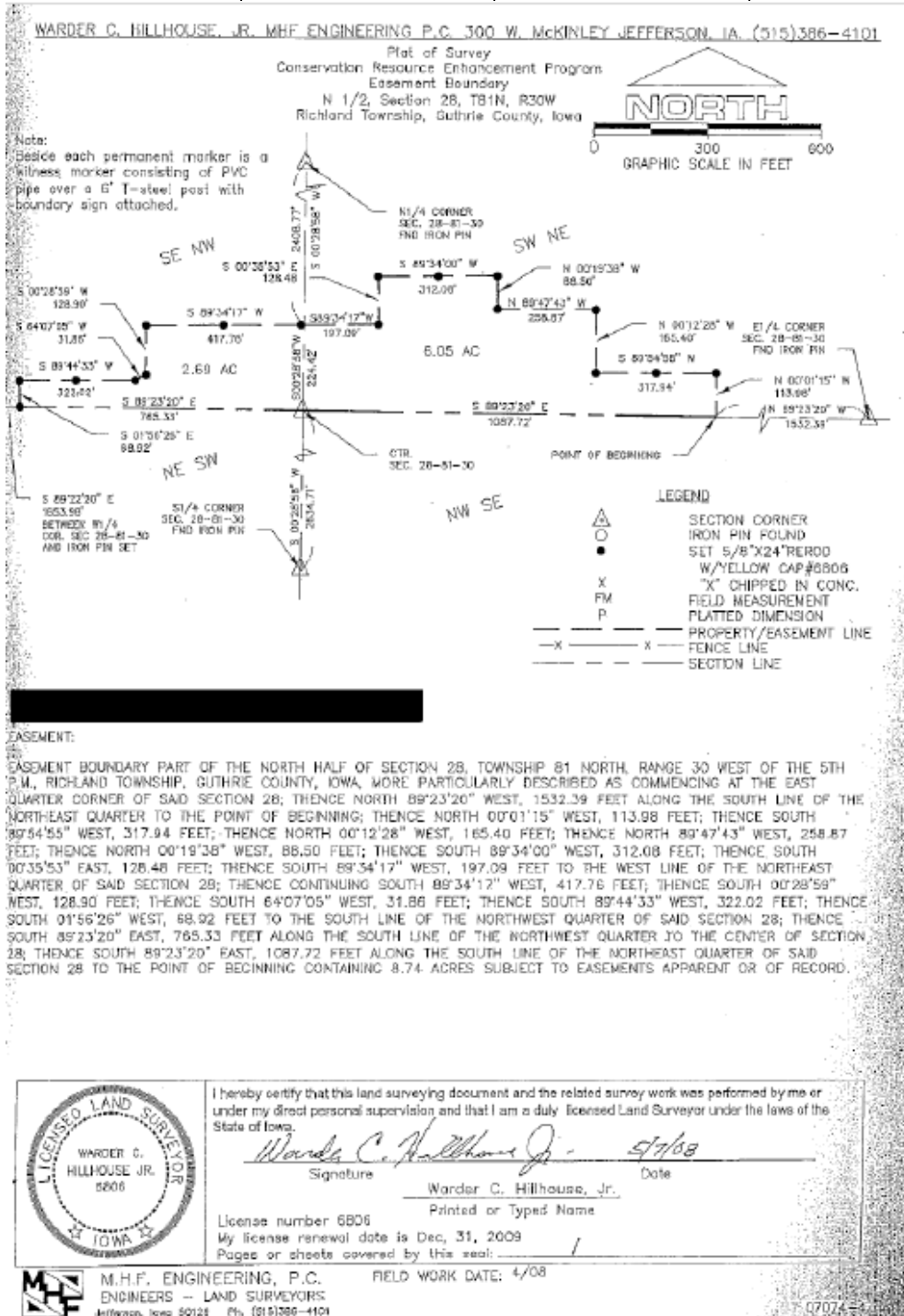
That part of the East Half of the Northwest Quarter of Section 18, Township 87 North, Range 17 West of the 5th P.M., Grundy County, Iowa, described as follows:

Commencing at the north quarter corner of said Section 18;
 Thence South 88 degrees 27 minutes 42 seconds West (assumed bearing) along the north line of the Northwest Quarter of said Section 18 a distance of 1,307.48 feet to the west line of the East Half of the Northwest Quarter as fenced;
 Thence South 00 degrees 30 minutes 50 seconds East along said west line 52.01 feet to the south line of Iowa Highway 175 and the point of beginning;
 Thence North 88 degrees 22 minutes 20 seconds East along said south line 178.93 feet;
 Thence South 69 degrees 52 minutes 02 seconds East along said south line 107.58 feet;
 Thence North 88 degrees 27 minutes 49 seconds East along said south line 99.99 feet;
 Thence North 66 degrees 31 minutes 25 seconds East along said south line 107.80 feet;
 Thence North 88 degrees 21 minutes 38 seconds East along said south line 467.00 feet;
 Thence South 02 degrees 36 minutes 55 seconds East 664.97 feet;
 Thence South 88 degrees 17 minutes 26 seconds West 576.00 feet;
 Thence South 66 degrees 53 minutes 48 seconds West 220.00 feet;
 Thence South 00 degrees 30 minutes 50 seconds East 368.00 feet;
 Thence South 39 degrees 41 minutes 52 seconds West 296.00 feet to the west line of the East Half of the Northwest Quarter as fenced;
 Thence North 00 degrees 30 minutes 50 seconds West along said west line 1,336.53 feet to the point of beginning, containing 17.09 acres, more or less.

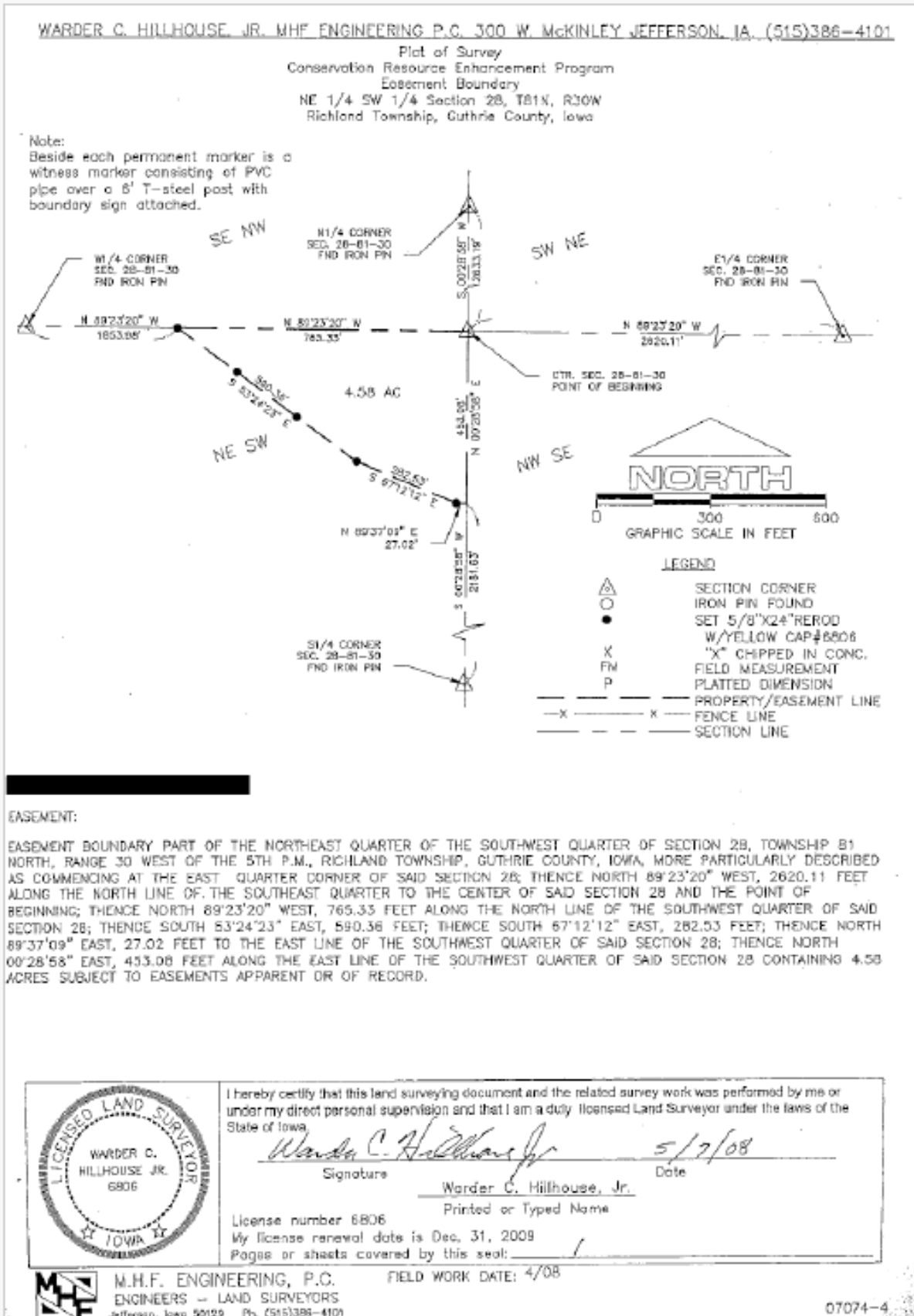
Gut-1 (813028D) Bk 2008 PG 2689

This project is located in the NE part of Guthrie County, Iowa, approximately 1.5 miles north of Yale. There are 3 plats of survey associated with the project easement boundary.

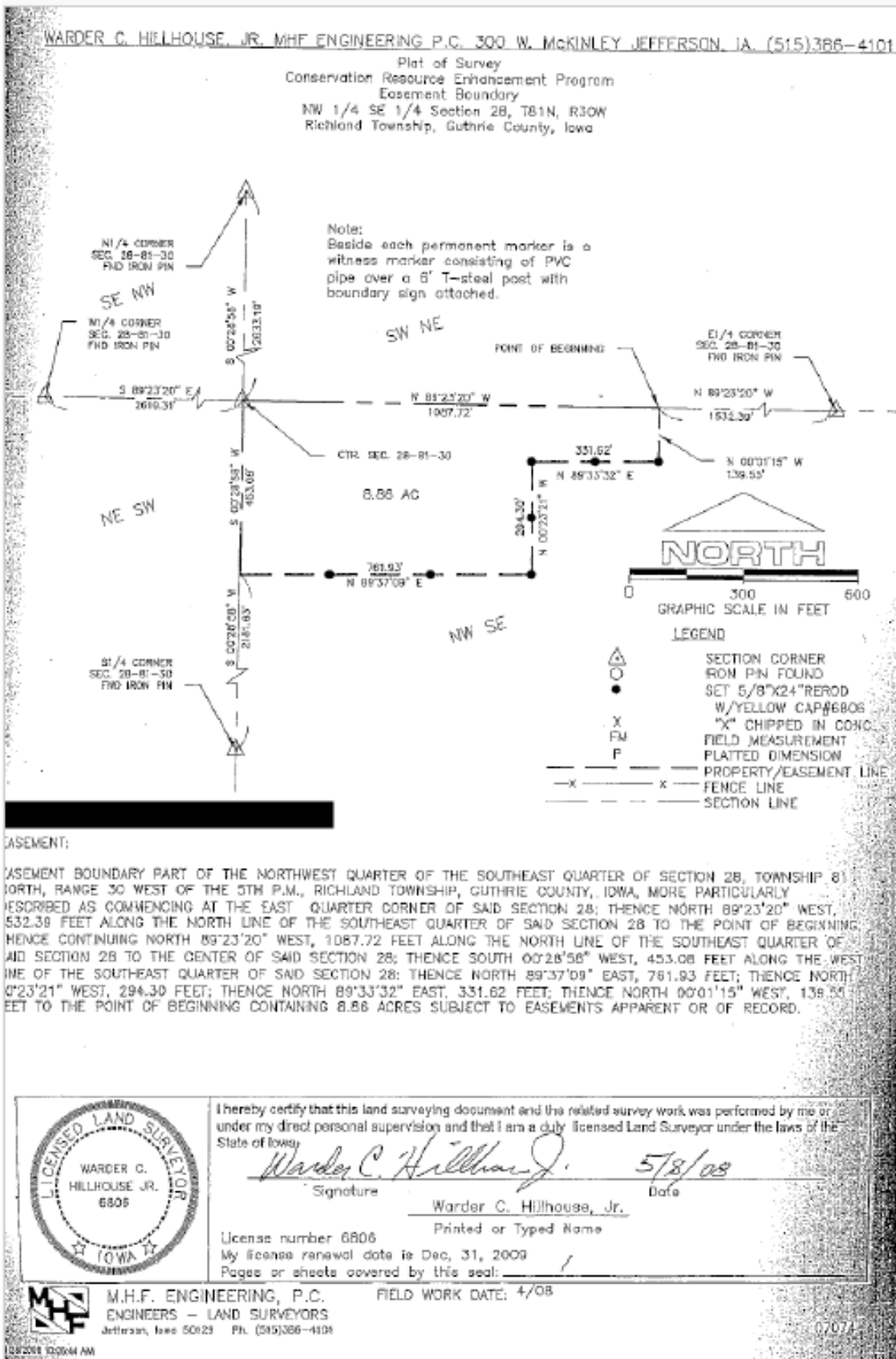
Easement Acres	Estimated # of missing/damaged:		
	T-steel posts	PVC Sleeves	Signs
6.05			
4.58	15	15	10
8.86			



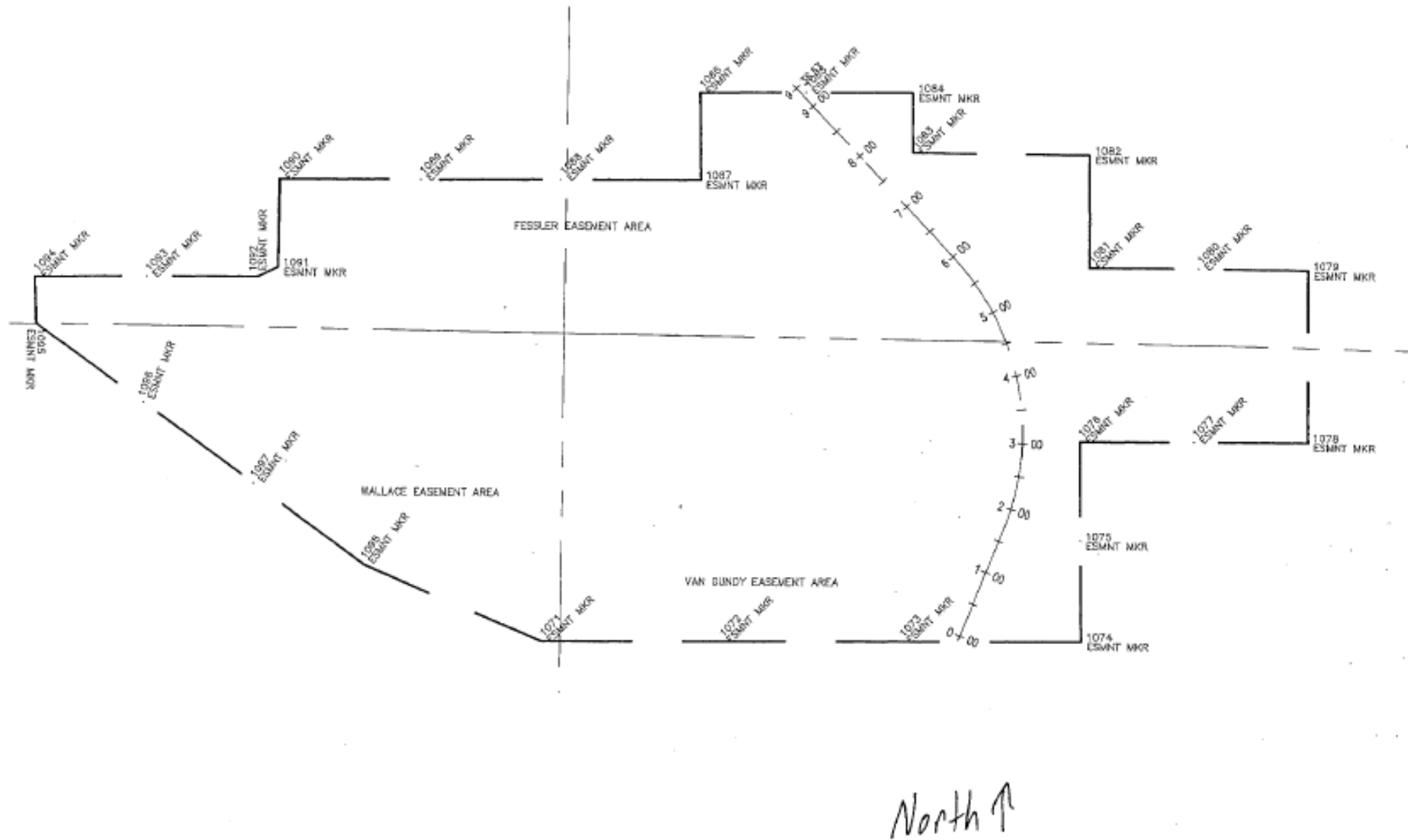
Gut-1 (813028D) continued



Gut-1 (813028D) continued



Gut-1 (813028D) continued

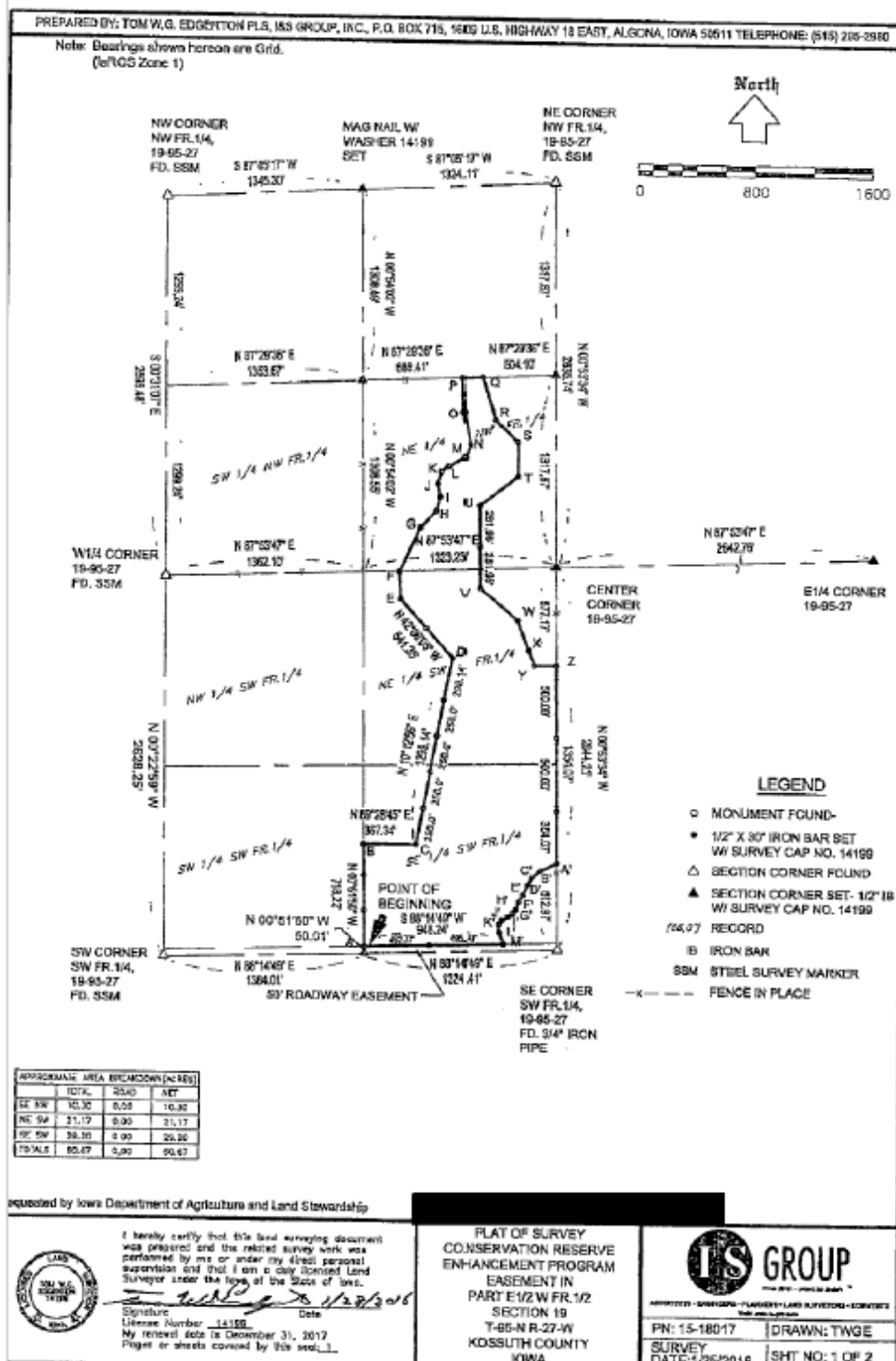


EASEMENT BOUNDARY SURVEY AND STAKING SERVICES
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Kos-1 (952719C) Bk 2017 Pg 1685

This project is located in the SE part of Kossuth County, Iowa, approximately 3 miles south and 7.5 miles east of Algona. There are two adjacent plats associated with the project easement boundary.

Easement Acres	Estimated # of missing/damaged:		
	T-steel posts	PVC Sleeves	Signs
50.67	15	15	10
18.62			



Kos-1 (952719C) Bk 2017 Pg 1685 continued

PREPARED BY: TOM W.G. EDGERTON PLS, &S GROUP, INC., P.O. BOX 715, 1809 U.S. HIGHWAY 18 EAST, ALGONA, IOWA 50511 TELEPHONE: (515) 265-2980

**DESCRIPTION: CONSERVATION RESERVE
ENHANCEMENT PROGRAM EASEMENT**

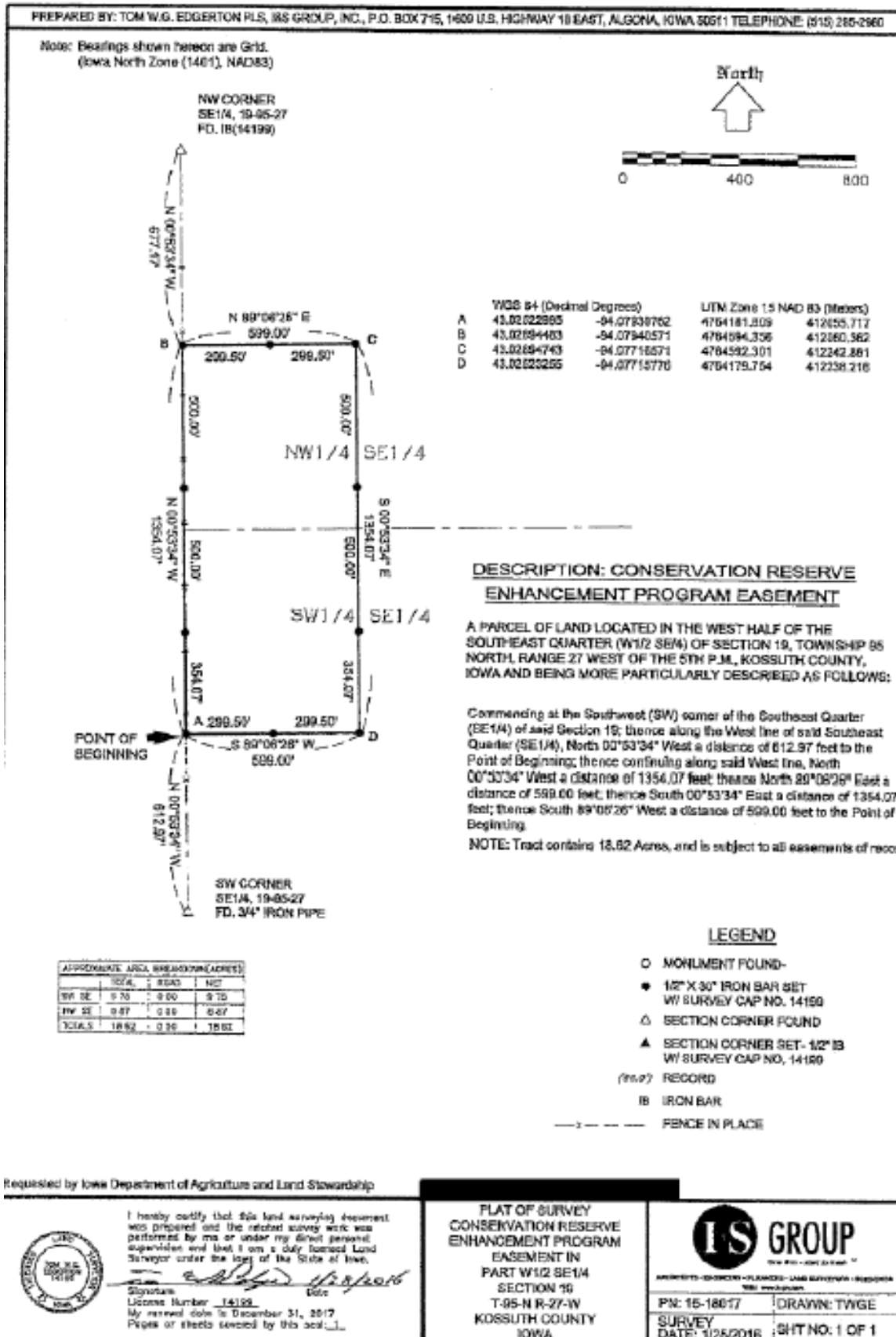
A PARCEL OF LAND LOCATED IN THE SOUTHEAST QUARTER OF THE NORTHWEST FRACTIONAL QUARTER (SE1/4 NW FR. 1/4) AND THE EAST HALF OF THE SOUTHWEST FRACTIONAL QUARTER (E1/2 SW FR.1/4) OF SECTION 19, TOWNSHIP 95 NORTH, RANGE 27 WEST OF THE 5TH P.M., KOSSUTH COUNTY, IOWA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

Commencing at the Southwest (SW) corner of the Southwest Fractional Quarter (SW Fr.1/4) of said Section 19; thence along the South line of said Southwest Fractional Quarter (SW Fr.1/4), North 88°14'49" East a distance of 1384.01 feet to the West line of the Southeast Quarter of the Southwest Fractional Quarter (SE1/4 SW Fr.1/4); thence along said West line, North 00°51'50" West a distance of 50.01 feet to the North right of way line for public road, the Point of Beginning; thence North 00°51'50" West a distance of 718.22 feet; thence North 89°28'45" East a distance of 367.34 feet; thence North 10°12'56" East a distance of 1299.14 feet; thence North 42°06'05" West a distance of 541.35 feet; thence North 03°24'11" West a distance of 186.80 feet; thence North 25°33'28" East a distance of 335.55 feet; thence North 42°07'48" East a distance of 158.46 feet; thence North 14°20'16" East a distance of 98.41 feet; thence North 10°07'17" West a distance of 93.09 feet; thence North 15°36'28" East a distance of 85.42 feet; thence North 52°33'10" East a distance of 62.18 feet; thence North 59°58'31" East a distance of 119.96 feet; thence North 20°27'55" East a distance of 95.96 feet; thence North 11°41'53" West a distance of 225.54 feet; thence North 02°21'02" West a distance of 238.22 feet to the North line of the Southeast Quarter of the Northwest Fractional Quarter (SE1/4 NW Fr.1/4) of said Section 19; thence along said North line, North 87°29'36" East a distance of 133.12 feet; thence South 16°58'42" East a distance of 311.06 feet; thence South 47°11'00" East a distance of 211.85 feet; thence South 01°07'06" East a distance of 237.07 feet; thence South 51°59'50" West a distance of 331.15 feet; thence South 00°53'34" East a distance of 563.91 feet; thence South 49°54'59" East a distance of 343.84 feet; thence South 20°51'00" East a distance of 215.31 feet; thence South 22°03'54" East a distance of 114.65 feet; thence North 89°05'57" East a distance of 153.41 feet to the East line of said Southwest Fractional Quarter (SW Fr.1/4); thence along said East line, South 00°53'34" East a distance of 1354.07 feet; thence South 65°09'38" West a distance of 123.29 feet; thence South 49°39'35" West a distance of 76.22 feet; thence South 28°44'58" West a distance of 88.18 feet; thence South 24°31'25" West a distance of 79.46 feet; thence South 31°22'01" West a distance of 52.75 feet; thence South 19°04'51" West a distance of 56.23 feet; thence South 38°41'54" West a distance of 35.49 feet; thence South 54°35'28" West a distance of 45.81 feet; thence South 60°01'11" West a distance of 42.66 feet; thence South 34°52'41" West a distance of 39.49 feet; thence South 04°52'17" East a distance of 53.76 feet; thence South 19°30'59" East a distance of 86.46 feet to the North right of way line for public road; thence along said line, South 88°14'49" West a distance of 948.24 feet to the Point of Beginning.

NOTE: Tract contains 60.67 Acres, and is subject to all easements of record.

LINE	BEARING	DISTANCE	WGS 84 (Decimal Degrees)	UTM Zone 15 NAD 83 (Meters)		
A			43.023625	-94.08434575	4764005.775	411880.261
B			43.02559543	-94.08434895	4764227.594	411852.835
C			43.02659065	-94.08297526	4764225.608	411764.742
D			43.02908807	-94.08204707	4764613.144	411845.374
E			43.0302049	-94.08338327	4764738.451	411735.111
F			43.03071675	-94.08341501	4764795.336	411736.259
G			43.03154163	-94.08285792	4764886.353	411782.828
H			43.03185994	-94.0824543	4764921.278	411816.154
I			43.03212055	-94.0823582	4764950.118	411824.366
J			43.03237257	-94.0824146	4764978.154	411820.132
K			43.03259738	-94.08232436	4765003.034	411827.805
L			43.03269921	-94.08213778	4765014.147	411843.151
M			43.03286989	-94.08174628	4765031.579	411875.275
N			43.03310523	-94.08161612	4765058.687	411885.23
O			43.03371284	-94.0817756	4765126.331	411874.107
P			43.03436616	-94.08179971	4765198.906	411873.078
Q			43.03437703	-94.08130206	4765199.592	411913.634
R			43.0336573	-94.08067858	4765108.221	411938.814
S			43.03315636	-94.08040499	4765063.095	411984.968
T			43.03250597	-94.08040008	4764990.864	411984.439
U			43.03195665	-94.08138648	4764930.896	411903.294
V			43.03040658	-94.08138307	4764759.088	411801.36
W			43.02979213	-94.08041093	4764689.503	411979.676
X			43.02923722	-94.08013489	4764627.59	412001.372
Y			43.02890441	-94.07997941	4764594.876	412013.621
Z			43.02894483	-94.07940571	4764594.356	412060.362
A'			43.02522995	-94.07939762	4764181.809	412055.717
B'			43.02508217	-94.07901866	4764166.949	412021.216
C'			43.02495905	-94.08003945	4764152.397	412003.118
D'			43.02479633	-94.08018419	4764134.459	411992.641
E'			43.02459826	-94.08029128	4764112.71	411982.005
F'			43.02446768	-94.08039629	4764098.216	411973.273
G'			43.02433172	-94.08046779	4764083.182	411967.241
H'			43.02425659	-94.0805522	4764074.927	411960.256
I'			43.02418521	-94.08059318	4764067.148	411948.667
J'			43.02412614	-94.08083246	4764060.957	411937.237
K'			43.02404012	-94.0809188	4764051.273	411930.093
L'			43.02389302	-94.08060432	4764034.922	411931.046
M'			43.02366831	-94.08080056	4764009.839	411938.179
E-F	N 03°24'11" W	186.80				
F-G	N 25°33'28" E	335.55				
G-H	N 42°07'48" E	158.46				
H-I	N 14°20'16" E	98.41				
I-J	N 15°36'28" E	85.42				
J-K	N 52°33'10" E	62.18				
K-L	N 59°58'31" E	119.96				
L-M	N 20°27'55" E	95.96				
M-N	N 11°41'53" W	225.54				
N-O	N 02°21'02" W	238.22				
O-P	N 87°29'36" E	133.12				
P-Q	S 16°58'42" E	311.06				
Q-R	S 47°11'00" E	211.85				
R-S	S 01°07'06" E	237.07				
S-T	S 51°59'50" W	331.15				
T-U	S 00°53'34" E	563.91				
U-V	S 49°54'59" E	343.84				
V-W	S 20°51'00" E	215.31				
W-X	S 22°03'54" E	114.65				
X-Y	N 89°05'57" E	153.41				
Y-Z	S 65°09'38" W	123.29				
A'-B'	S 49°39'35" W	76.22				
B'-C'	S 28°44'58" W	88.18				
C'-D'	S 24°31'25" W	79.46				
D'-E'	S 31°22'01" W	52.75				
E'-F'	S 19°04'51" W	56.23				
F'-G'	S 38°41'54" W	35.49				
G'-H'	S 54°35'28" W	45.81				
H'-I'	S 60°01'11" W	42.66				
I'-J'	S 34°52'41" W	39.49				
J'-K'	S 04°52'17" E	53.76				
K'-L'	S 19°30'59" E	86.46				

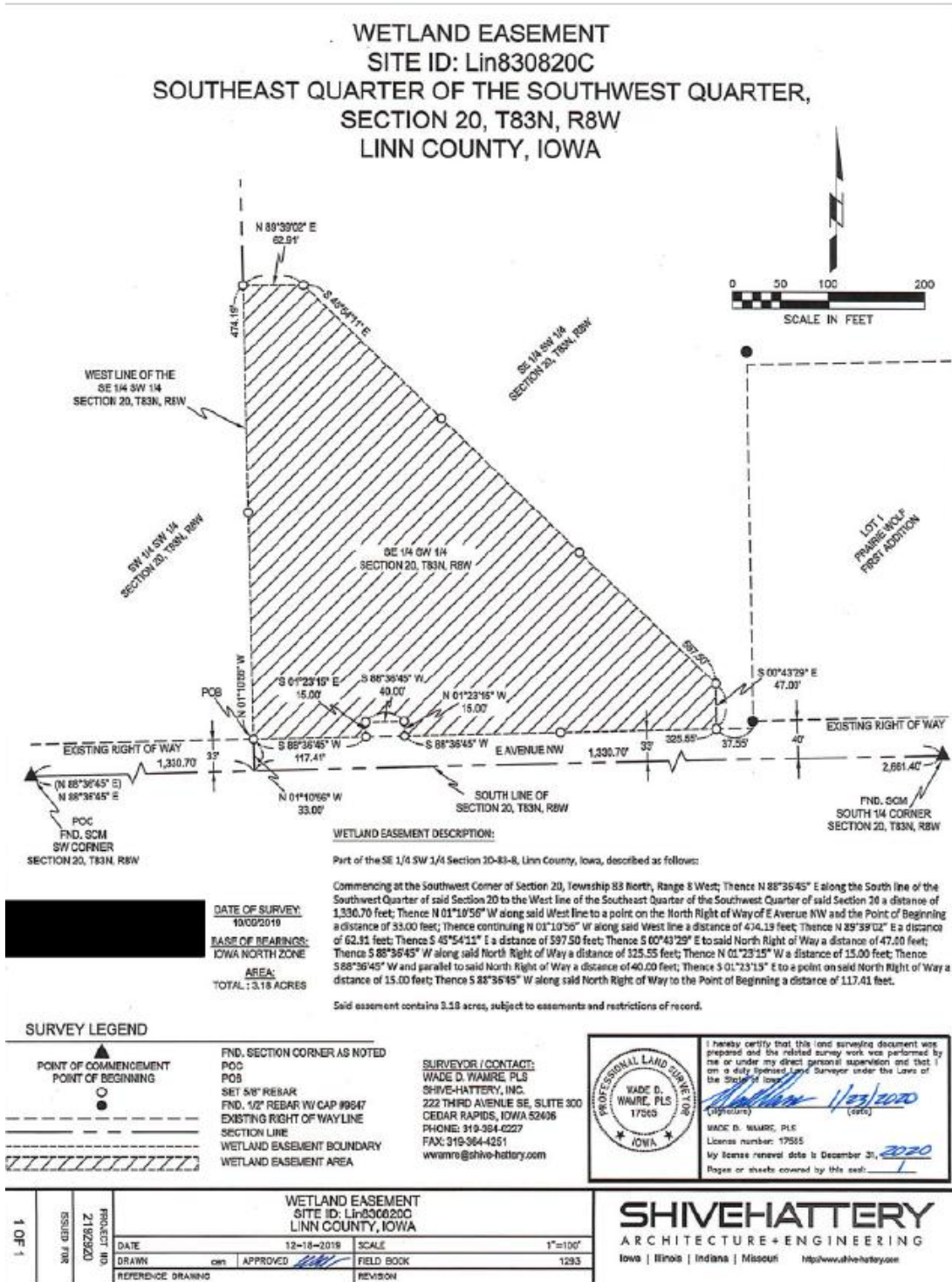
Kos-1 (952719C) Bk 2017 Pg 1685 continued



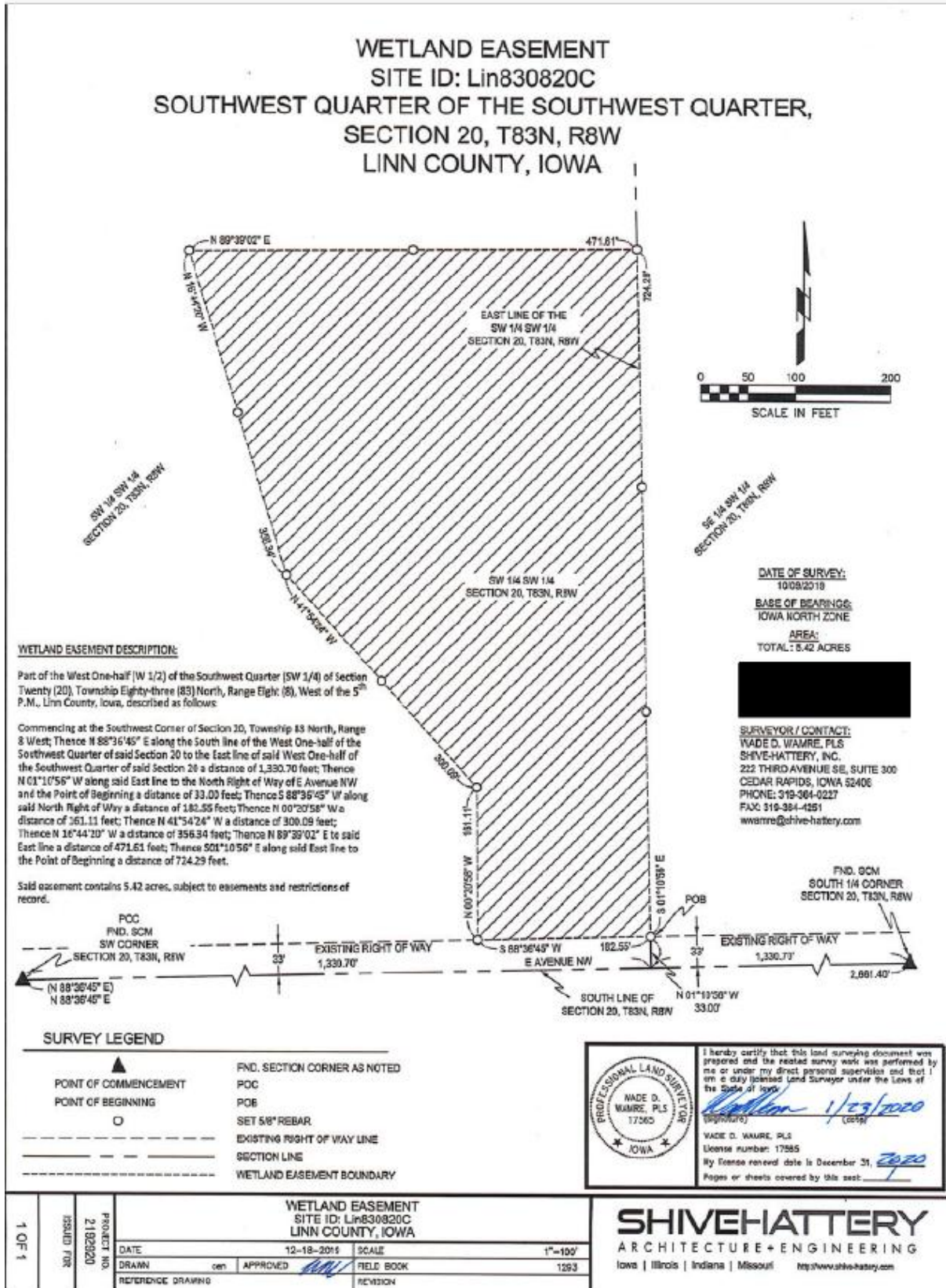
Lin-2 (830820CC) Bk 11128 Pg 148 & Bk 11128 Pg 136

This project is located in far west/southwest part of Linn County, Iowa approximately 2.5 miles west of Cedar Rapids. There are two adjacent parcels associated with the project easement boundary.

Easement Acres	Estimated # of missing/damaged:		
	T-steel posts	PVC Sleeves	Signs
3.18	15	15	0 (WQI)
5.42			



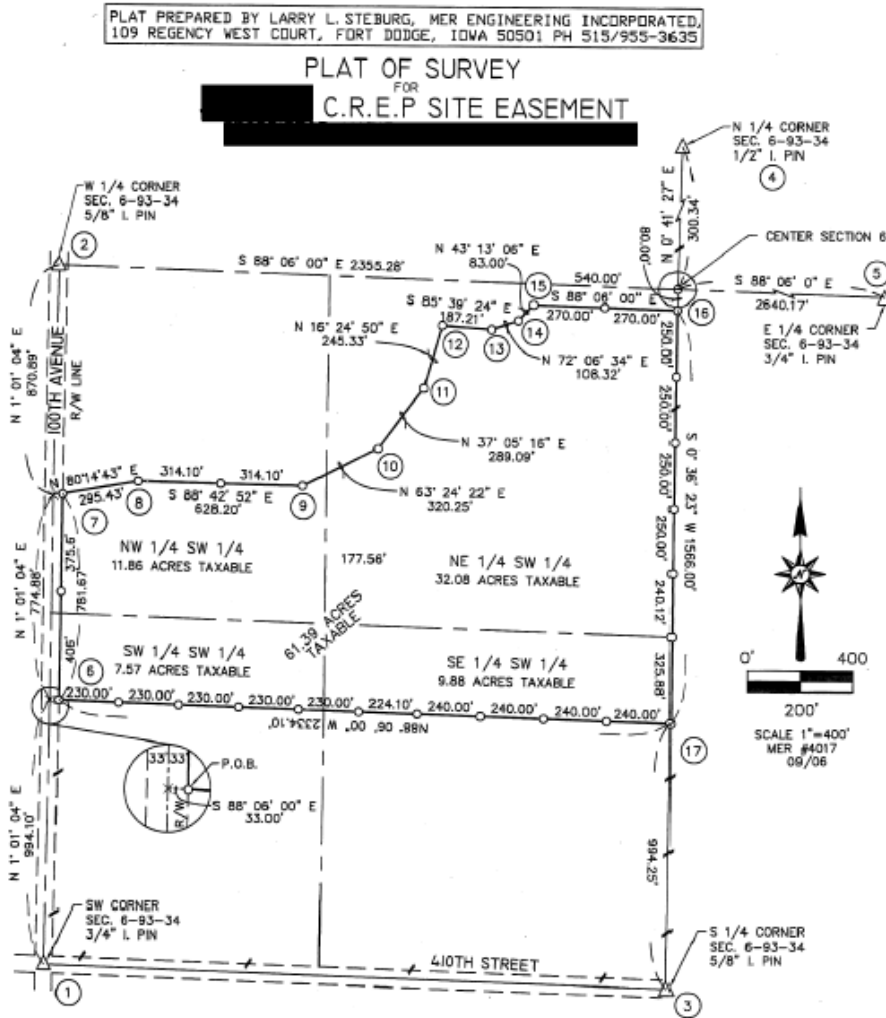
Lin-2 (830820CC) Bk 11128 Pg 148 & Bk 11128 Pg 136 continued



Poc-1 (933406C) Bk 172 Pg 390-417

This project is located in far North/NW part of Pocahontas County, Iowa, approximately 3 miles north and 3 miles west of Laurens.

Easement Acres	Estimated # of missing/damaged:		
	T-steel posts	PVC Sleeves	Signs
61.39	15	15	10



LEGEND

SECTION CORNER FOUND	△
CORNERS SET	○
5/8"x24" I. PIN/RED CAP #7813	○
GEODETIC COORDINATE POINTS	①
FENCE LINES	—#—#—
CURRENT SURVEY MEASUREMENTS	S 0° 32' 52" W 2644.60'

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.

LARRY L. STEBURG 10/20/06 (DATE)
LICENSE NUMBER 2813 REVISED 12/18/06
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2006

PAGES COVERED BY THIS SEAL 2

Poc-1 (933406C) Bk 172 Pg 390-417 continued

DESCRIPTION
[REDACTED] CREP SITE
 MER 4017

DESCRIPTION:

A PARCEL OF LAND BEING PART OF THE SW FRACTIONAL ¼ OF SECTION 6; T93N, R34, WEST OF THE 5TH P.M, IN POCAHONTAS COUNTY, IOWA AND DESCRIBED AS FOLLOWS:

COMMENCING AT THE SW CORNER OF SAID SECTION 6; THENCE N 1° 01' 04" E 994.10' ALONG THE WEST LINE OF THE SAID SW FRACTIONAL ¼; THENCE S 88° 06' 00" E 33.00' TO THE POINT OF BEGINNING; THENCE N 1° 01' 04" E 781.67' ALONG THE EASTERLY RIGHT OF WAY LINE OF 100TH AVE; THENCE N 80° 14' 43" E 295.43'; THENCE S 88° 42' 52" E 628.20'; THENCE N 63° 24' 22" E 320.25'; THENCE N 37° 05' 16" E 289.09'; THENCE N 16° 24' 50" E 245.33'; THENCE S 85° 39' 24" E 187.21'; THENCE N 72° 06' 34" E 108.32'; THENCE N 43° 13' 06" E 83.00'; THENCE S 88° 06' 00" E 540.00'; THENCE S 0° 36' 23" W 1566.00' ALONG THE EAST LINE OF THE SW FRACTIONAL ¼; THENCE N 88° 06' 00" W 2334.10' TO THE POINT OF BEGINNING. SAID PARCEL CONTAINS 61.39 ACRES.

NOTE: ALL BEARINGS ARE REFERENCE TO IOWA STATE PLANE GEODETIC COORDINATES, NORTH ZONE.

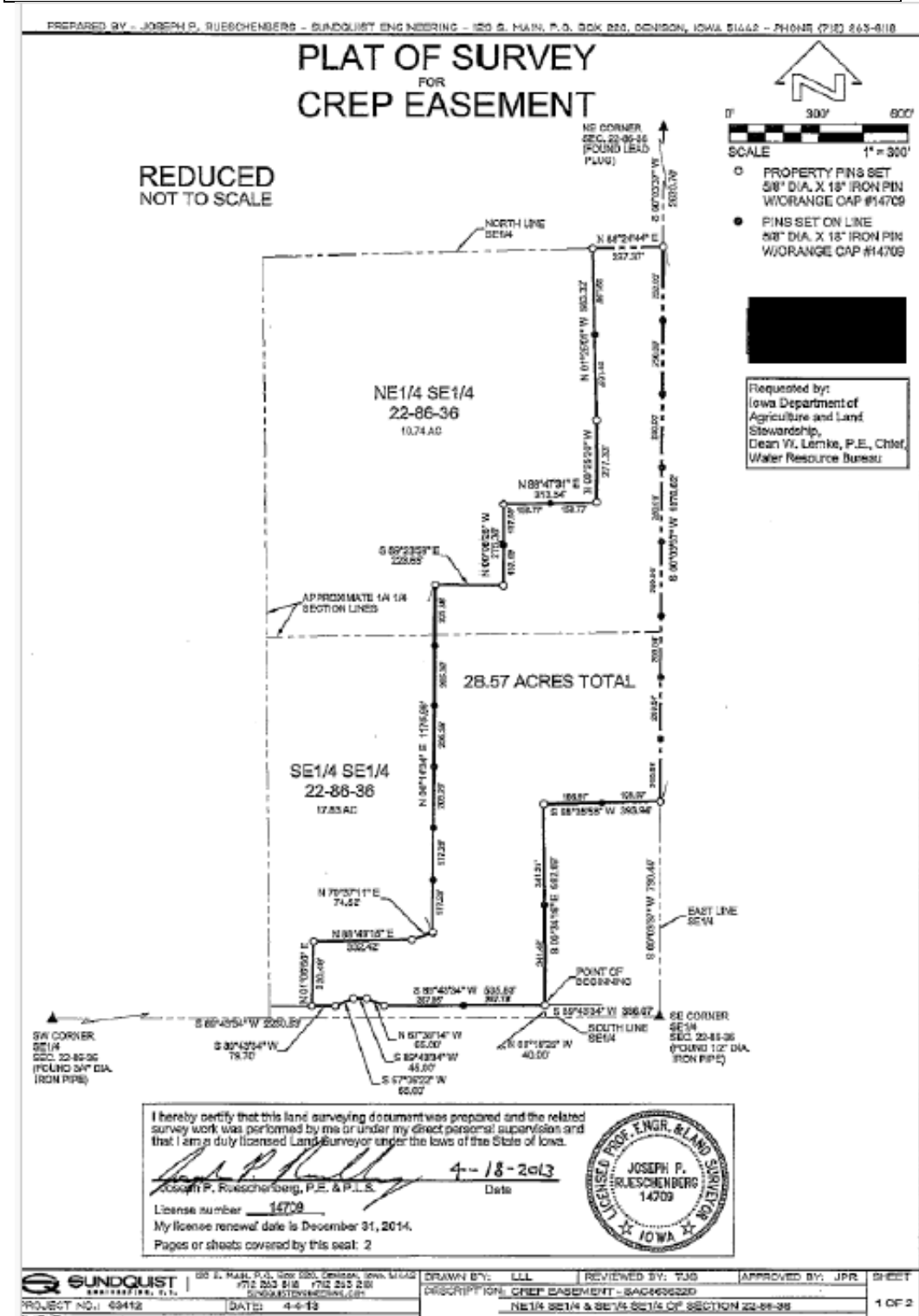
Geodetic Coordinates Table

Point #	Iowa State Plane Coordinates North Zone NAD83 (feet)		Universal Transverse Mercator Zone 15 NAD83 (meters)		Geographic Coordinates WGS84 (decimal degrees)	
	Northing	Easting	Northing	Easting	Latitude (N)	Longitude (W)
1	3792135.29	4542387.88	4750858.04	343731.87	42.89433708	94.91390078
2	3794774.45	4542434.76	4751662.32	343751.00	42.90157965	94.91389057
3	3792056.56	4544760.55	4750829.70	344454.87	42.89422964	94.90504281
4	3797696.17	4544824.66	4752548.41	344484.75	42.90970456	94.90515340
5	3794608.86	4547426.92	4751602.69	345272.20	42.90135292	94.89525105
6	3793128.03	4542438.52	4751160.52	343749.13	42.89706295	94.91377379
7	3793909.48	4542452.40	4751398.66	343754.79	42.89920746	94.91377078
8	3793959.53	4542743.53	4751413.38	343843.61	42.89935813	94.91268753
9	3793945.44	4543371.50	4751407.93	344034.98	42.89934823	94.91034331
10	3794088.79	4543657.84	4751451.10	344122.51	42.89975460	94.90928373
11	3794319.37	4543832.15	4751521.05	344176.06	42.90039517	94.90864761
12	3794554.68	4543901.47	4751592.64	344197.62	42.90104389	94.90840358
13	3794540.50	4544088.12	4751587.98	344254.48	42.90101353	94.90770617
14	3794573.77	4544191.19	4751597.93	344285.96	42.90110951	94.90732361
15	3794634.25	4544248.03	4751616.26	344303.39	42.90127803	94.90711529
16	3794616.39	4544787.65	4751609.83	344467.82	42.90125364	94.90510048
17	3793050.65	4544771.08	4751132.65	344459.90	42.89695736	94.90506518

Sac-1 (863622D) Document #132008

This project is located in the southern part of Sac County, Iowa approximately 2 miles south and 4 miles east of Wall Lake.

Easement Acres	Estimated # of missing/damaged:		
	T-steel posts	PVC Sleeves	Signs
28.57	15	15	10



Sac-1 (863622D) Document #132008 continued

PREPARED BY - JOSEPH P. RUESCHENBERG - SUNDQUIST ENGINEERING - 120 S. MAIN, P.O. BOX 220, DENISON, IOWA 51442 - PHONE (712) 263-8115

CREP EASEMENT DESCRIPTION:

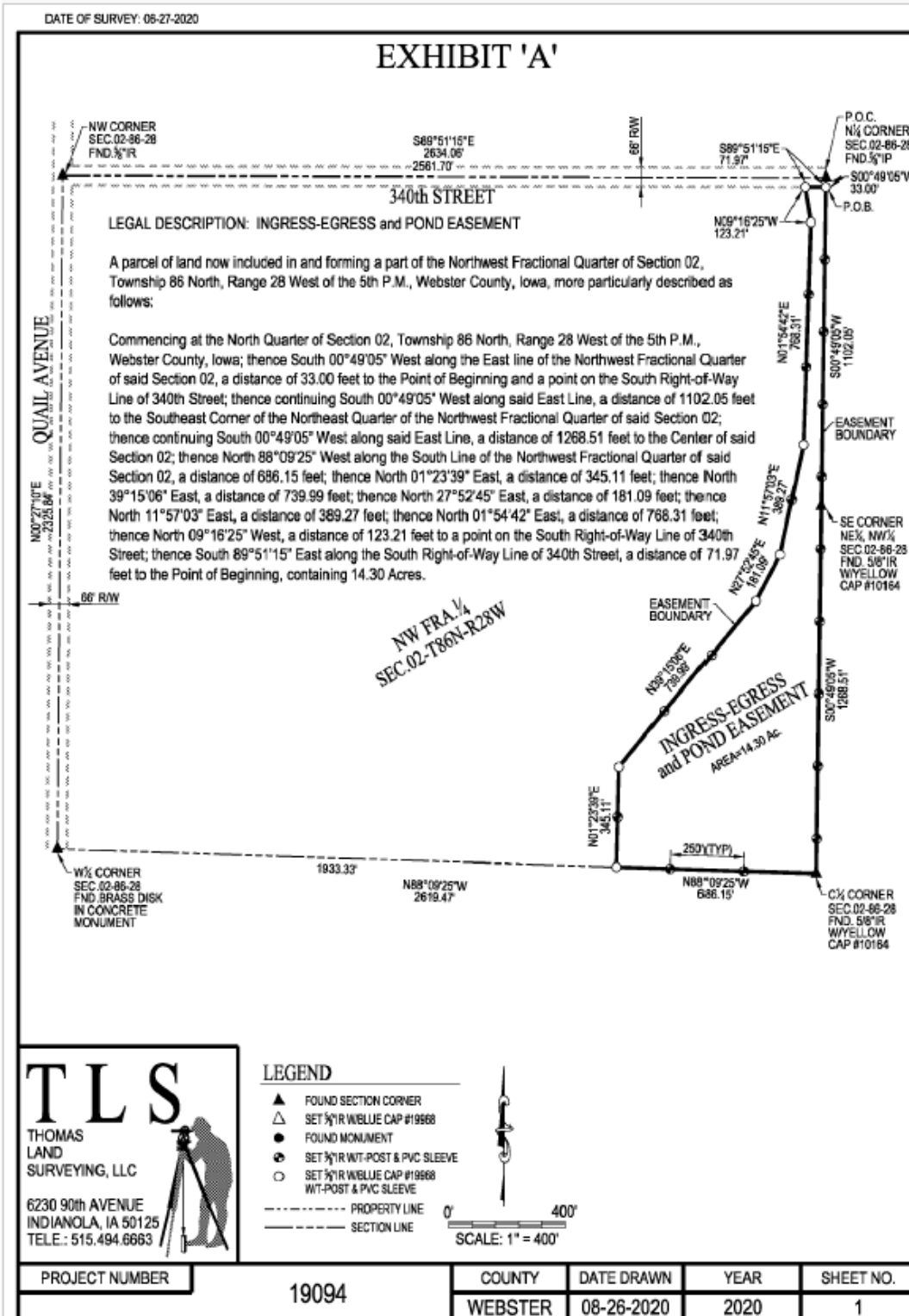
A parcel of land located in the NE1/4 SE1/4 and SE1/4 SE1/4 of Section 22, Township 86 North, Range 36 West of the 5th P.M., Sac County, Iowa described as follows:

Commencing at the SE Corner of the SE1/4 of Section 22-86-36, thence S 89°43'34" W 388.07 feet along the South line of said SE1/4, thence N 00°16'26" W 40.00 feet to a point on the North right-of-way line of a county road, said point being the point of beginning, thence S 89°43'34" W 535.63 feet along said right-of-way line, thence N 67°39'14" W 65.00 feet along said line, thence S 89°43'34" W 45.00 feet along said line, thence S 67°06'22" W 65.00 feet along said line, thence S 89°43'34" W 79.70 feet along said line, thence N 01°06'58" E 220.49 feet, thence N 88°49'15" E 332.42 feet, thence N 70°37'11" E 74.52 feet, thence N 00°14'34" E 1175.96 feet, thence S 89°23'59" E 223.65 feet, thence N 00°06'26" W 275.36 feet, thence N 88°47'31" E 313.54 feet, thence N 00°25'20" W 277.33 feet, thence N 01°25'01" W 583.32 feet to a point on the North line of said SE1/4, thence N 88°24'44" E 237.37 feet along said line to the NE Corner of said SE1/4, thence S 00°03'37" W 1,878.62 feet along the East line of said SE1/4, thence S 88°35'58" W 393.94 feet, thence S 00°34'16" E 682.69 feet to the point of beginning. Said parcel contains 28.57 acres more or less.

Web-1 (862802B) Bk 2009 Pg-6404

This project is located in the SE part of Webster County, Iowa approximately 2 miles north and 1 west of Dayton.

Easement Acres	Estimated # of missing/damaged:		
	T-steel posts	PVC Sleeves	Signs
14.30	15	15	10

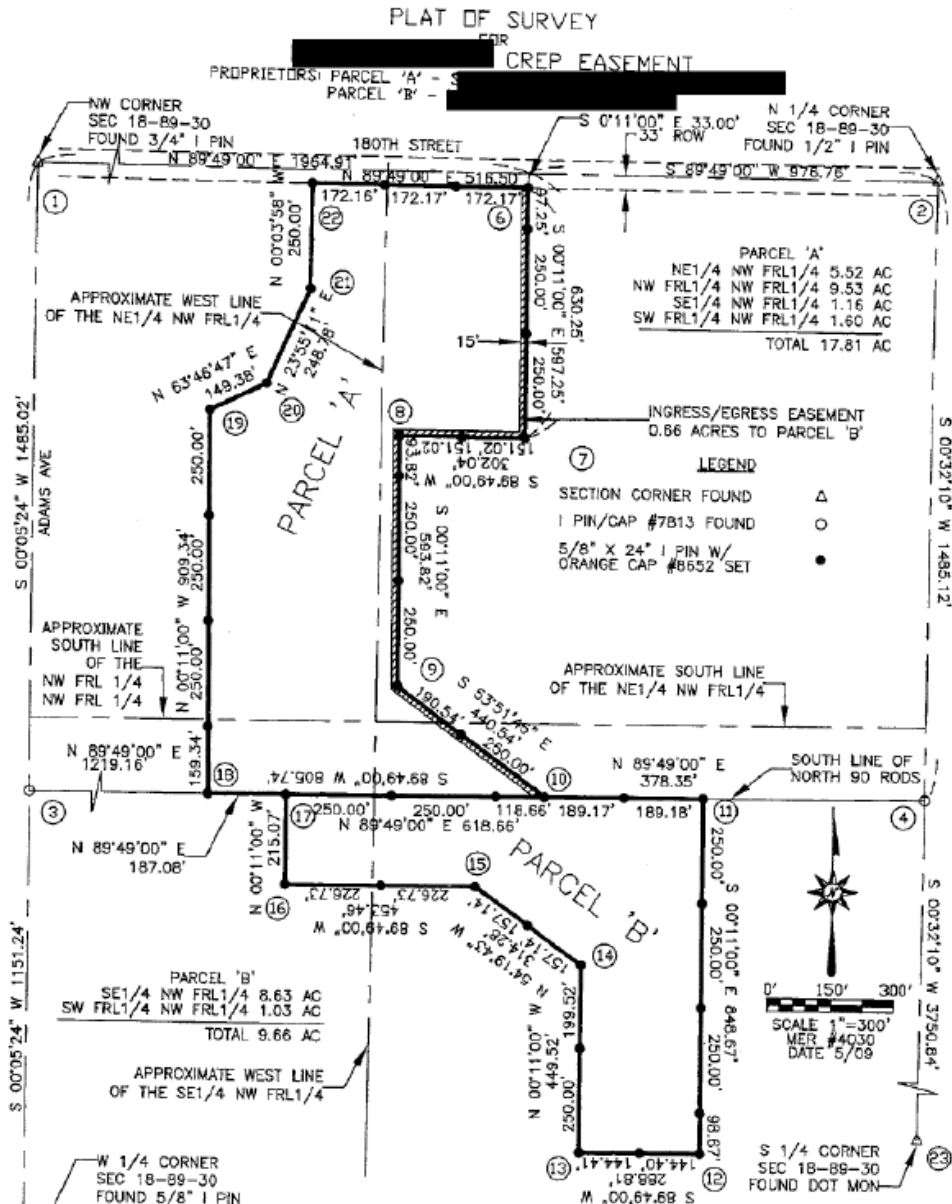


Web-2 (893018B) Document # 2021-00768

This project is located in WE part of Webster County, Iowa approximately 4.5 miles east of Manson. There are two adjacent parcels associated with the project easement boundary.

Easement Acres	Estimated # of missing/damaged:		
	T-steel posts	PVC Sleeves	Signs
17.81	15	15	0 (WQI)
9.66			

PLAT PREPARED BY DAVID T. YOCUM, MER ENGINEERING INCORPORATED,
109 REGENCY WEST COURT, FORT DODGE, IOWA 50501 PH 515/955-3635



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.

David T. Yocum
DAVID T. YOCUM LICENSE NO. 8652 DATE 5/26/09
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2009 REV. 4017/09

PAGES OR SHEETS COVERED BY THIS SEAL: SHEET 1 OF 2 AND 2 OF 2

Web-2 (893018B) Document # 2021-00768 continued

DESCRIPTION
[REDACTED] CREP SITE
 MER #4030

DESCRIPTION: PARCEL 'A':

A PARCEL OF LAND IN THE FRACTIONAL NW1/4 OF SECTION 18; T89N; R30W OF THE 5TH P.M., WEBSTER COUNTY, IOWA AND DESCRIBED AS FOLLOWS: COMMENCING AT THE N1/4 CORNER OF SAID SECTION 18; THENCE S 89°49'00" W 976.76' ALONG THE NORTH LINE OF SAID FRACTIONAL NW1/4; THENCE S 0°11'00" E 33.00' TO THE SOUTH RIGHT OF WAY LINE OF 180TH STREET AND THE POINT OF BEGINNING; THENCE CONTINUING S 0°11'00" E 597.25'; THENCE S 89°49'00" W 302.04'; THENCE S 0°11'00" E 563.82'; THENCE S 53°51'45" E 440.54' TO THE SOUTH LINE OF THE NORTH 90 RODS OF SAID FRACTIONAL NW1/4; THENCE S 89°49'00" W 805.74' ALONG SAID SOUTH LINE; THENCE N 0°11'00" W 909.34'; THENCE N 63°45'47" E 149.38'; THENCE N 23°55'11" E 248.78'; THENCE N 0°03'58" W 250.00' TO THE SOUTH RIGHT OF WAY LINE OF 180TH STREET; THENCE N 89°49'00" E 616.50' ALONG SAID RIGHT OF WAY LINE TO THE POINT OF BEGINNING. SAID PARCEL CONTAINS 17.81 ACRES AND IS SUBJECT TO THE INGRESS/EGRESS EASEMENT DESCRIBED BELOW.

NOTE: THE NORTH LINE OF SAID FRACTIONAL NW1/4 IS ASSUMED TO BEAR S 89°49'00" W.

DESCRIPTION: PARCEL 'B':

A PARCEL OF LAND IN THE FRACTIONAL NW1/4 OF SECTION 18; T89N; R30W OF THE 5TH P.M., WEBSTER COUNTY, IOWA AND DESCRIBED AS FOLLOWS: COMMENCING AT THE N1/4 CORNER OF SAID SECTION 18; THENCE S 89°49'00" W 976.76' ALONG THE NORTH LINE OF SAID FRACTIONAL NW1/4; THENCE S 0°11'00" E 630.25'; THENCE S 89°49'00" W 302.04'; THENCE S 0°11'00" E 563.82'; THENCE S 53°51'45" E 440.54' TO THE SOUTH LINE OF THE NORTH 90 RODS OF SAID FRACTIONAL NW1/4 AND POINT OF BEGINNING; THENCE N 89°49'00" E 378.35' ALONG SAID SOUTH LINE; THENCE S 0°11'00" E 848.67'; THENCE S 89°49'00" W 288.81'; THENCE N 0°11'00" W 449.52'; THENCE N 54°19'43" W 314.28'; THENCE S 89°49'00" W 453.46'; THENCE N 0°11'00" W 215.07' TO SAID SOUTH LINE OF THE NORTH 90 RODS; THENCE N 89°49'00" E 618.66' ALONG SAID SOUTH LINE TO THE POINT OF BEGINNING. SAID PARCEL CONTAINS 9.88 ACRES.

NOTE: THE NORTH LINE OF SAID FRACTIONAL NW1/4 IS ASSUMED TO BEAR S 89°49'00" W. PARCEL 'B' ALSO INCLUDES THE FOLLOWING INGRESS/EGRESS EASEMENT.

DESCRIPTION: INGRESS/EGRESS EASEMENT:

A 15' WIDE STRIP OF LAND ALONG THE EASTERLY SIDE OF PARCEL 'A' DESCRIBED ABOVE.

Geodetic Coordinates Table

Point #	Iowa State Plane Coordinates North Zone NAD83 (feet)		Universal Transverse Mercator Zone 15 NAD83 (meters)		Geographic Coordinates WGS84 (decimal degrees)	
	Northing	Easting	Northing	Easting	Latitude (N)	Longitude (W)
1	3658040.68	4667058.63	4709765.67	381483.97	42.53119224	94.44308952
2	3658017.28	4670000.20	4709753.29	382380.34	42.53121781	94.43218564
3	3656555.76	4667039.61	4709313.20	381475.52	42.52711731	94.44610861
4	3656532.47	4669969.76	4709300.86	382368.41	42.52714258	94.43223785
5	3655404.61	4667025.11	4708962.42	381469.04	42.52395828	94.44311478
6	3657992.04	4669023.21	4709747.34	382082.57	42.53111875	94.43580913
7	3657394.81	4669018.47	4709565.35	382080.06	42.52947989	94.43580221
8	3657397.22	4668716.43	4709566.62	381998.02	42.52947731	94.43692279
9	3656803.41	4668711.71	4709365.68	381985.52	42.52784785	94.43691589
10	3656539.66	4669064.58	4709304.67	382092.68	42.52713488	94.43569602
11	3656536.66	4669442.92	4709303.08	382207.87	42.52713811	94.43419541
12	3655688.01	4669436.17	4709044.47	382204.30	42.52480934	94.43418264
13	3655690.31	4669147.37	4709045.69	382116.29	42.52480688	94.43525406
14	3656139.81	4669150.94	4709182.66	382118.18	42.52604036	94.43525925
15	3656325.92	4668897.68	4709239.83	382041.34	42.52654332	94.43620639
16	3656329.52	4668444.24	4709241.74	381903.18	42.52653941	94.43788864
17	3656544.58	4668445.95	4709307.28	381904.07	42.52712957	94.43789115
18	3656546.07	4668258.87	4709308.06	381847.06	42.52712795	94.43858519
19	3657455.38	4668266.10	4709585.16	381850.89	42.52962320	94.43859583
20	3657519.88	4668400.83	4709604.57	381892.06	42.52980428	94.43809865
21	3657746.16	4668504.23	4709673.34	381923.98	42.53042831	94.43772438
22	3657996.15	4668506.73	4709749.52	381925.19	42.53111431	94.43772539
23	3652782.42	4669892.86	4708158.20	382338.27	42.51685063	94.43236968

NOTE: ALL COORDINATES ARE REFERENCE TO IOWA STATE PLANE COORDINATES, NORTH ZONE.

Sample Format for Cost Proposal

Please use the tables below to submit your material costs for boundary markers and summary of estimated hours and total cost for completing the work at each site. The T-steel posts, PVC sleeves, and permanent stakes will be paid based on total installed quantities and should not also be included in your overall costs for completing the work at each site.

In addition to completing the tables provided below, submit a current personnel hourly rate schedule by employment classification for personnel who will be involved in this work. If your hourly rate schedule is not all-inclusive, please also include a breakdown of additional miscellaneous expenses. Review the Proposal Requirements section on pages 3 and 4 for details regarding the information that should be included in your proposal.

Boundary marker supplies

Item	Estimated Total Quantity	Unit Cost	Cost Extension
6ft T-steel posts	180		
2" by 4ft PVC sleeves	180		
Hardware to attach 100 signs	100		

Estimated total cost for completing all work related to witness markers at each site (excluding materials above)

Site	Total Estimated Hours	Cost to re-establish above ground witness markers only
Car-15B		
Dal-28C		
Gre-26B		
Gru-03B		
Gru-17B		
Gut-28D		
Kos-19C		
Lin-20C		
Poc-06C		
Sac-22D		
Web-02B		
Web-18B		

Total cost above plus materials	
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Estimated additional cost for completing a full survey to replace pins and record new plat. (excluding materials above)

Site	Total Estimated Hours	Cost
Car-15B		
Dal-28C		
Gre-26B		
Gru-03B		
Gru-17B		
Gut-28D		
Kos-19C		
Lin-20C		
Poc-06C		
Sac-22D		
Web-02B		
Web-18B		

Total cost	
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