



Document 2025 GW1905

Book 2025 Page 1905 Type 43 001 Pages 27  
Date 7/24/2025 Time 1:18:46PM  
Rec Amt \$.00

INDX  
ANNO  
SCAN

BRANDY MACUMBER, COUNTY RECORDER  
MADISON COUNTY IOWA

CHEK

**REAL ESTATE TRANSFER - GROUNDWATER HAZARD STATEMENT  
TO BE COMPLETED BY TRANSFEROR**

If the transaction is exempt from filing a declaration of value pursuant to Iowa Code 428A.1(2), **STOP HERE**. Pursuant to Iowa Code section 558.69(1), when no declaration of value is submitted during a transaction, you are not required to submit a groundwater hazard statement or include the statutory language in Iowa Code section 558.69(8A). Please consult your realtor or legal counsel for further advice, including on whether a declaration of value is required. The Department provides this information for statutory reference only.

Instructions for this document can be found at:

<https://www.iowadnr.gov/Portals/idnr/uploads/forms/5420960%20Instructions.pdf>

Attachment 1, if required, can be found at: <https://www.iowadnr.gov/Portals/idnr/uploads/forms/5420960a.pdf>

**TRANSFEROR:**

Name: Michael Eller

Address: 315 N 8th Ave, Winterset, IA 50273

**TRANSFeree:**

Name: Kenneth Pilch and Kathryn Pilch

Address: 13 NE 70th Place, Ankeny IA 50023

Number and Street or RR, City, Town or P.O., State Zip

Address of Property Transferred:

2234 230th Lane, Winterset, Iowa 50273

Legal Description of Property: (Attach if necessary)

A tract of land located in the Northeast Quarter (¼) of the Northwest Quarter (¼) of Section Seven (7), Township Seventy-five (75) North, Range Twenty-seven (27) West of the 5th P.M., Madison County, Iowa, more particularly described as follows, to-wit: Commencing at a point on the North Line of the Northeast Quarter (¼) of the Northwest Quarter (¼) of said Section Seven (7), which is 665 feet West of the Northeast corner thereof, and running thence South 33° 40' West, 603.2 feet, thence South 33° 32' West 294.6 feet, thence North 8° 30' East 627.0 feet, thence North 53° 24' East 209.0 feet to the North line of said Forty (40) acre tract, thence East on said North line 241.0 feet to the point of beginning; AND a tract of land located in the Southeast Quarter (¼) of the Southwest Quarter (¼) of Section Six (6), Township Seventy-five (75) North, Range Twenty-seven (27) West of the 5th P.M., Madison County, Iowa, more particularly described as follows, to-wit: Commencing 627.7 feet West of the Southeast corner of the Southwest Quarter (¼) of said Section Six (6), and running thence West on the section line 447.8 feet, thence North 8° 59' East 476.1 feet, thence North 9° 39' West 876.9 feet, thence North 1° 11' East to the intersection of the West line of Public Highway #169, thence South 16° 44' East along the West line of said highway approximately 1685.7 feet to the point of beginning, EXCEPT the following-described tracts, to-wit: 1. A tract condemned for highway purposes described as follows: Commencing at a point on the West line of said highway 207.4 feet Northerly from the Southeast corner of the above-described tract, and running thence South 73° 16' West 9.5 feet, thence Southwesterly along a 253.5 foot radius curve central angle 20° concave Southerly 88.7 feet, thence South 53° 16' West 189.1 feet to

the South line of said section, thence West 110.4 feet, thence North 53° 16' East 277.5 feet, thence Northeasterly along a 319.5 foot radius curve central angle 20° concave Southerly 111.8 feet, thence North 73° 16' East 9.5 feet, thence South 16° 44' East 66 feet to point of beginning and containing 1/2 of an acre, more or less;

2. A tract of land situated in the Southeast Quarter (¼) of the Southwest Quarter (¼) and the Southwest Fractional Quarter (¼) of the Southwest Quarter (¼) of said Section Six (6) described as follows: Commencing at the South Quarter (¼) corner of said Section Six (6), thence West 627.7 feet along the South line of said Section Six (6), thence North 16°44' West along the West right of way line of U. S. Highway No. 169 871.7 feet to the point of beginning, thence continuing North 16°44' West along said West right of way line 219.0 feet, thence South 84°55' West 164.8 feet, thence North 07°47' West 44.2 feet, thence South 86°49' West 161.8 feet, thence South 61°04' West 88.0 feet, thence South 00°42' East 99.0 feet, thence South 78°23' West 114.8 feet, thence South 41°52' East 162.1 feet, thence South 33°00' East 392.2 feet, thence North 78°14' East 112.7 feet, thence North 07°52' West 339.0 feet, thence North 82°37' East 198.4 feet to the point of beginning, containing 4.2409 acres exclusive of any public road right of way;

3. A tract located in the East Half (½) of the Southwest Quarter (¼) conveyed to Madison County, Iowa, in Deed Record 109, Page 25 on May 25, 1979, in the Office of the Recorder of Madison County, Iowa, more particularly described as follows: Commencing at the South Quarter Corner of said Section Six (6), thence West 627.7 feet along the South line of said Section Six (6), thence North 16°44' West along the West right-of-way line of U. S. Highway No. 169 1090.7 feet to the point of beginning, thence South 84°55' West 164.8 feet, thence North 144 feet, thence West 30 feet, thence North 770 feet, thence East to the West right-of-way line of U. S. Highway No. 169, thence Southeasterly along the West right-of-way line of U. S. Highway No. 169 to the point of beginning;

4. Parcel "A" located in the Southeast Quarter (¼) of the Southwest Quarter (¼) of said Section Six (6), and in the Northeast Quarter (¼) of the Northwest Quarter (¼) of said Section Seven (7), as shown in Plat of Survey attached to the Warranty Deed filed in Book 106, Page 363 on February 7, 1977 in the Office of the Recorder of Madison County, Iowa.

**1. Wells (check one)**

- ☒ No Condition - There are no known wells situated on this property.
- ☐ Condition Present - There is a well or wells situated on this property. The type(s), location(s) and legal status are stated below or set forth on an attached separate sheet, as necessary.

**2. Solid Waste Disposal (check one)**

- ☒ No Condition - There is no known solid waste disposal site on this property.
- ☐ Condition Present - There is a solid waste disposal site on this property and information related thereto is provided in Attachment #1, attached to this document.

**3. Hazardous Wastes (check one)**

- ☒ No Condition - There is no known hazardous waste on this property.
- ☐ Condition Present - There is hazardous waste on this property and information related thereto is provided in Attachment #1, attached to this document.

**4. Underground Storage Tanks (check one)**

- ☒ No Condition - There are no known underground storage tanks on this property. (Note exclusions such as small farm and residential motor fuel tanks, most heating oil tanks, cisterns and septic tanks, in instructions.)
- ☐ Condition Present - There is an underground storage tank on this property. The type(s), size(s) and any known substance(s) contained are listed below or on an attached separate sheet, as necessary.

**5. Private Burial Site (check one)**

- ☒ No Condition - There are no known private burial sites on this property.
- ☐ Condition Present - There is a private burial site on this property. The location(s) of the site(s) and known identifying information of the decedent(s) is stated below or on an attached separate sheet, as necessary.

**6. Private Sewage Disposal System (check one)**

- ☐ No Condition - All buildings on this property are served by a public or semi-public sewage disposal system.
- ☐ No Condition - This transaction does not involve the transfer of any building which has or is required by law to have a sewage disposal system.
- ☐ Condition Present - There is a building served by private sewage disposal system on this property or a building without

any lawful sewage disposal system. A certified inspector's report is attached which documents the condition of the private sewage disposal system and whether any modifications are required to conform to standards adopted by the Department of Natural Resources. A certified inspection report must be accompanied by this form when recording.

- ☐ Condition Present - There is a building served by private sewage disposal system on this property. Weather or other temporary physical conditions prevent the certified inspection of the private sewage disposal system from being conducted. The buyer has executed a binding acknowledgment with the county board of health to conduct a certified inspection of the private sewage disposal system at the earliest practicable time and to be responsible for any required modifications to the private sewage disposal system as identified by the certified inspection. A copy of the binding acknowledgment is attached to this form.
- ☐ Condition Present - There is a building served by private sewage disposal system on this property. The system is failing to ensure effective wastewater treatment or is otherwise improperly functioning, and the buyer has executed a binding acknowledgment with the county board of health to install a new private sewage disposal system on this property within an agreed upon time period. A copy of the binding acknowledgment is provided with this form.
- ☐ Condition Present - There is a building served by private sewage disposal system on this property. The building to which the sewage disposal system is connected will be demolished without being occupied. The buyer has executed a binding acknowledgment with the county board of health to demolish the building within an agreed upon time period. A copy of the binding acknowledgment is provided with this form. [Exemption #7]
- ☐ Condition Present - There is a building served by private sewage disposal system on this property. This property is exempt from the private sewage disposal inspection requirements pursuant to the following Exemption [Note: for exemption #7 use prior check box]:  
\_\_\_\_\_
- ☒ Condition Present - There is a building served by private sewage disposal system on this property. The private sewage disposal system has been installed within the past two years pursuant to permit number:

TOT #16294

Review the following two directions carefully:

- A. If you selected a box stating "No Condition" for every numbered section above, **STOP HERE**. Do not submit this form. Instead, pursuant to Iowa Code section 558.69(8A), you must include the following language on the first page of the recorded deed, instrument, or other writing:

"There is no known private burial site, well, solid waste disposal site, underground storage tank, hazardous waste, or private sewage disposal system on the property as described in Iowa Code section 558.69, and therefore the transaction is exempt from the requirement to submit a groundwater hazard statement."

Please consult your realtor or legal counsel for further advice on this exemption. By law, the owner of the property is responsible for the accuracy of this statement, and the Department provides this information for statutory reference only.

- B. If you checked any box stating "Condition Present" for any of the numbered sections above, continue below. You must complete this form, including providing all required information, and you must submit this form to the county recorder's office with declaration of value.

Information required by statements checked above should be provided here or on separate sheets attached hereto:

---


---

---

---

---

I HEREBY DECLARE THAT I HAVE REVIEWED THE INSTRUCTIONS FOR THIS FORM AND THAT THE INFORMATION STATED ABOVE IS TRUE AND CORRECT.

Signature:  Telephone No.: (515) 493-6647  
(Transferor)

**TIME OF TRANSFER INSPECTION TOT# 16294 BEN BEDWELL CERT # 11612**

Site Information

Parcel Description: **520100742050000**

Address: **2234 230th Ln, Winterset, IA 50265**

County: **Madison**

Owner Information

Property is owned by a business: **No**

Business Name:

Owner Name: **Micheal Eller**

Email Address: **irix74@gmail.com**

Address: **2234 230th Ln, Winterset, IA 50265**

Phone No: **515-493-6647**

Site related information

No Of Bedrooms: **2**

Facility Type: **Residential**

Last Occupied:

Permit issued by County: **Yes**

All plumbing fixtures enter septic system: **Yes**

Property Information Comments:

Inspection Date: **06/27/2025**

Currently Occupied: **Yes**

System Installation Date: **05/15/2020**

Permit Number: **049-19**

County contacted for records: **Yes**

Primary Treatment

Tank 1

Tank Name: **Tank 1**

Tank Material: **Concrete**

No. of Compartments: **2**

Date Pumped: **7/1/2025**

Distance To Well (Ft.):

Risers Intact: **Yes**

Type: **Septic Tank**

Tank Corrosion Type: **None**

Pump Tank Chamber: **No**

Meets Setback to Well: **N/A**

Is Accessible: **Yes**

Effluent Filter Present: **Yes**

Tank Size (Gal): **1250**

Liquid Level Type: **Normal**

Licensed Pumper Name: **weigert**

Well Type:

Lid Intact: **Yes**

Watertight: **Yes**

Tank/Vault Pumped: **Yes**

Inlet Baffle Present: **Yes**

Outlet Baffle Present: **Yes**

Functioning as Designed: **Yes**

Tank Comments:

General Primary Treatment Comments:

#### Distribution Type

##### Distribution Box 1

Label: **Distribution Box 1**

Material Type: **Plastic**

Accessible: **Yes**

Box Opened: **Yes**

Baffle Present: **Yes**

Speed Levelers Present: **Yes**

Watertight: **Yes**

Functioning As Designed: **Yes**

General Distribution System Comments :

#### Secondary Treatment

##### Lateral Field1

Distribution Type: **Distribution Box**

Material Type: **Leaching Chamber**

Trench Width: **36**

Lines: **3**

Total Length of Absorption Line: **300**

System Hydraulic Loaded: **Yes**

Gallons Loaded: **250**

Meets Setback to Well: **N/A**

Well Type:

Distance To Well (Ft.):

Lateral Lines Probed: **Yes**

Saturation or Ponding Present: **No**

Grass Cover Present: **Yes**

Lateral Lines Equal Length: **Yes**

System Located on Owner Property: **Yes**

Easement Present: **N/A**

Functioning as Designed: **Yes**

Comments:

General Secondary Treatment Comments:

#### Narrative Report

TOT Inspection Report Overall Narrative Comments: **The system was working properly during the inspection.**

**TIME OF TRANSFER INSPECTION TOT# 16294 BEN BEDWELL CERT # 11612**

Owner Name: Micheal Eller

Address: 2234 230th Ln , Winterset , IA 50265

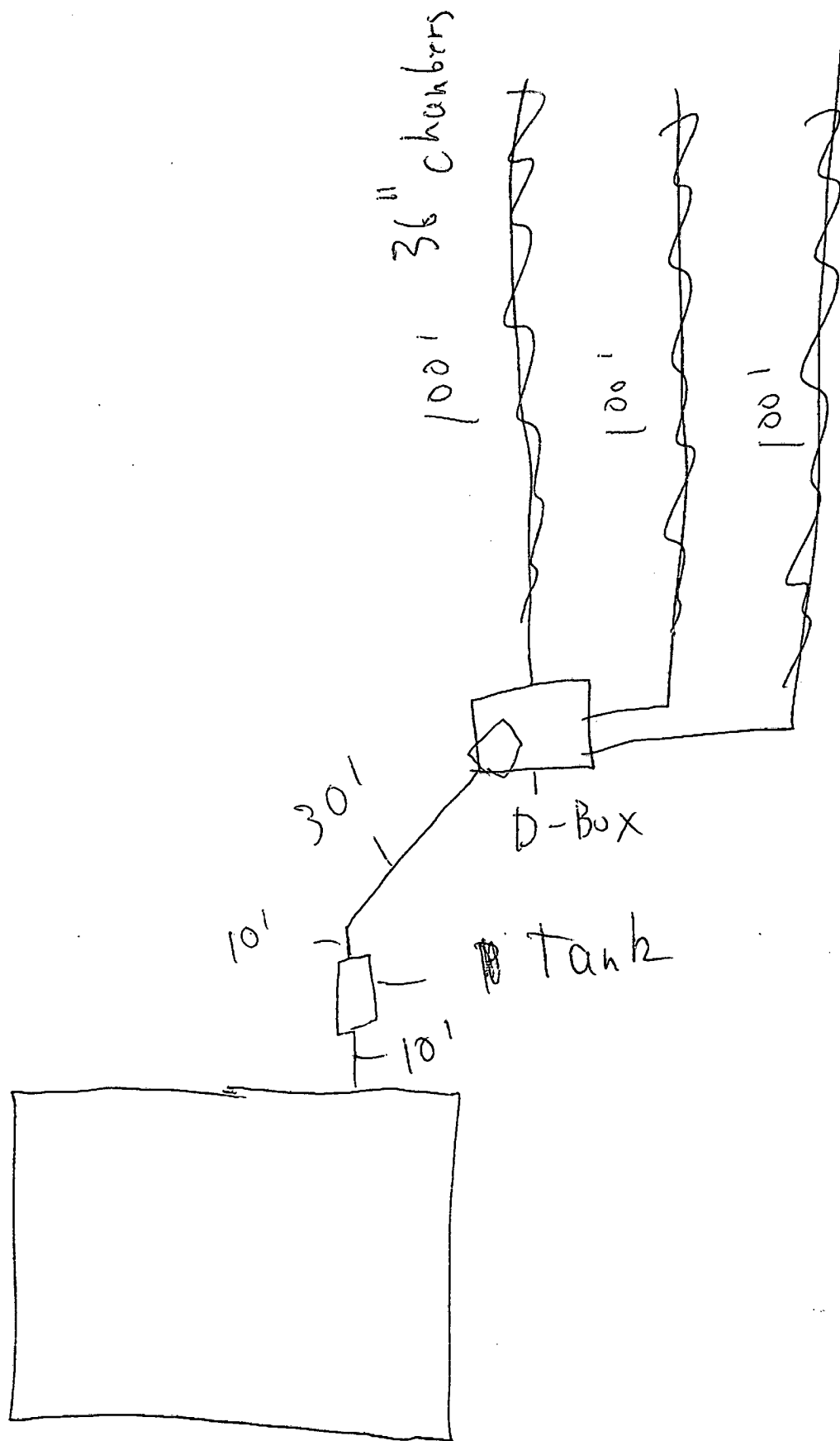
County: Madison

Inspection Date: 06/27/2025

Submitted Date: 7/6/2025







Madison County  
Office of Zoning and  
Environmental Health

***Authorization to Construct a  
Private On-site Wastewater  
Treatment System (POWTS)***

112 N. John Wayne Drive  
P.O. Box 152  
Winterset, IA 50273-0152  
Telephone: (515) 462-2636

**Permit Number: 047-19**

**Date Issued: 6/25/2019**

**Issued to: Michael Eller**  
**Address: 417 E Filmore St.**  
**Winterset, IA 50273**

*2234 230<sup>th</sup> Ave.*

**Legal Description: 3.15A N Cent Pt Lot 2 W ½ NE NW PID# 520100742050000**  
**Sec 7 T75N R27W Scott TWP**

**POWTS Components Specifications: 1250 gal. Septic Tank & 3 36" Laterals @ 100' ea. *Curtain Drain***

**General Conditions:**

1. System must be constructed in conformance with attached system layout, profiles, and cross-sections.
2. Structures must be constructed in conformance with 567 IAC Chapter 69 and the Madison County Environmental Health Regulations.
3. Permit shall be null and void if system is not constructed within one year of permit issuance. The Environmental Health Officer must approve any request for extension of permit.
4. The Environmental Health Officer must approve any design modifications to the permitted system prior to construction.
5. Once constructed, all system components must be uncovered for inspection and the system must be approved before it can be put into operation. Notice for inspection must be received with 24 hours in advance (8 a.m. through 4:30 p.m., Monday - Friday). If weather necessitates the need to cover the system components, then the system owner or contractor must notify and follow the procedures given by the Environmental Health Officer.

**Special Conditions: Max. Trench Depth 28". *Curtain Drain***  
**At least a 24-hour notice for inspections.**

*Jina Buck*

**Environmental Health Officer Assistant  
Madison County  
Office of Zoning and Environmental Health**

Application to Construct  
Private Sewage Disposal System (PSDS)

| Office Use Only               |                                 |                           |                        |                               | Temp E911:                         |  |  |
|-------------------------------|---------------------------------|---------------------------|------------------------|-------------------------------|------------------------------------|--|--|
| Tracking No.<br><b>047-19</b> | Date Received<br><b>6/25/19</b> | Fee Paid<br><b>150.00</b> | Check #<br><b>5031</b> | Date Issued<br><b>6/25/19</b> | Section/Township<br><b>7-Scott</b> |  |  |

Application will not be accepted until site and soil analysis/percolation information have been received and fee has been paid. For systems requiring an NPDES General Permit #4 (surface discharge), its application must be submitted to this office along with appropriate forms for recording before a permit will be issued.

Please Print All Information.

| 1. Owner Information (Applicant)    |  |                                     |  | 2. Installation Contractor Information |  |                                   |  |
|-------------------------------------|--|-------------------------------------|--|--|--|-----------------------------------|--|
| First Name<br><b>Mike</b>           |  | Last Name<br><b>Eller</b>           |  | First Name<br><b>DAN</b>               |  | Last Name<br><b>PATTERSON</b>     |  |
| Address<br><b>417 E Filmore St.</b> |  |                                     |  | Address<br><b>206 S JOHN WAYNE DR</b>  |  |                                   |  |
| City<br><b>Winterset</b>            |  | State<br><b>IA</b>                  |  | City<br><b>Winterset</b>               |  | State<br><b>IA</b>                |  |
| Zip<br><b>50273</b>                 |  | Phone Number<br><b>515-493-6647</b> |  | Zip<br><b>50273</b>                    |  | Cell Phone<br><b>515-802-2550</b> |  |
| Email:                              |  |                                     |  | Phone Number (area code)               |  |                                   |  |

| 3. System Requirement Information               |      | 4. Site and Soil Evaluator (Percolation Test/Soils Analysis)                              |  |
|---|------|---|--|
| IAC CHAPTER 69 DOUBLE COMPARTMENT TANK REQUIRED |      | PERCOLATION/SOILS ANALYSIS MUST BE COMPLETED AND APPROVED PRIOR TO THE ISSUANCE OF PERMIT |  |
| Minimum Tank Size Required                      |      | Date test taken _____ Test taken by _____   |  |
| 1-3 Bedroom                                     | 1250 | Passed: _____ Failed: _____   |  |
| 4 Bedroom                                       | 1500 | Percolation Rate: _____   |  |
| 5 Bedroom                                       | 1750 | Soils Loading Rate: _____   |  |
| 6 Bedroom                                       | 2000 |   |  |

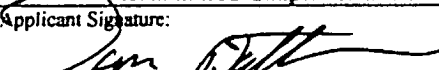
| 5. Type of Submittal   |  | 6. Address Information  |  |
|--|--|---|--|
| <input type="checkbox"/> New House<br><input type="checkbox"/> Existing House<br><input type="checkbox"/> Repair, Tank<br><input type="checkbox"/> Repair, Treatment Area<br><input type="checkbox"/> System Replacement<br>Previous Permit #: |  | 911 Address or nearest road: <b>2234 230th Ln.</b><br>Legal Description: <b>3.15A N Cent Pt Lot 2 W 1/2 NE NW</b><br><b>7-75-27</b> |  |

| 7. Type of Building (Completed by Owner)                                    |                              |   |                       |
|---|------------------------------|---|-----------------------|
| Building Square ft.:  | Number of Bedrooms: <b>2</b> | Number of Bathrooms: <b>1</b>                         | Non-Residential uses: |
| Other buildings served by this system:                                      |                              | Any other circumstances which may affect water usage: |                       |
| Water softeners must be routed to a brine pit independent of septic system. |                              |   |                       |

Your contractor or system designer should complete the remaining portion of this application.

| 8. Tanks        |                       |                   |                             |
|-----------------|-----------------------|-------------------|-----------------------------|
| Septic Tank     | Type: <b>Concrete</b> | Size: <b>1250</b> | Manufacturer: <b>Lister</b> |
| Pump Tank       | Type:                 | Size:             | Manufacturer:               |
| Additional Tank | Type:                 | Size:             | Manufacturer:               |

| 9. Secondary Treatment Area |                                   |                            |                        |                                  |  |
|-----------------------------|-----------------------------------|----------------------------|------------------------|----------------------------------|--|
| Laterals                    | Type: <b>36"</b>                  | Length of each: <b>100</b> | Total number: <b>3</b> | Maximum trench Depth: <b>28"</b> |  |
| Sand Filter                 | Square ft.:                       | Length:                    | Width:                 |                                  |  |
| Peat System                 | Model:                            | Manufacturer:              |                        |                                  |  |
| Other                       | Description: <b>Curtain Drain</b> |                            |                        |                                  |  |

|   |                      |   |
|---|----------------------|---|
| I hereby attest the truth and accuracy of all facts and information presented on this application. Request for inspection of the system must be made 24 hours in advance. Water at the site to test the distribution box must be available. Discharging systems must be covered by a maintenance agreement, which shall be recorded in the Madison County Records Office. Discharging systems also require periodic testing as set forth in IAC Chapter 69 and Madison County Environmental Health Regulations. |                      | It is unlawful to start construction, reconstruction, or repair of any PSDS prior to issuance of a PSDS permit by the Environmental Health Officer. |
| Applicant Signature:   | Date: <b>6-25-19</b> |   |

Get It Dug, LLC

## Soil Site Evaluation Report

Job Site – Michael Eller, 2218 230<sup>th</sup> Ln, Winterset, Ia.

I went to the job site on April 3<sup>rd</sup>, 2019 to complete a soil site evaluation. I used the official USDA soil map to determine potential areas for a home septic system. I completed soil borings to verify the soil and to determine the soil suitability for a septic system. The soil identified at this site was Ely like silty clay loam. A detailed soil description was completed to a depth of 72 inches. A GPS point recording was also completed.

E/ler

It is my conclusion that this site is suited to a conventional septic system. It is important that the proposed leach field be protected from compaction by heavy equipment. Fencing should be considered if lateral field is next to cropland. Trenches should not be dug when soil is wet to prevent smearing of sidewalls and bottom of the trench. I recommend a curtain drain for the topside of the leach field with 2ft washed rock in bottom of trench 4-5ft deep.

My findings show that 300 ft. of laterals are needed for this 2-bedroom home. This is based on the flowage rate calculated for Ely like soil type. Calculation is based on 300/gal/day, .45 average flowage rate and 3ft wide trenches.

A 2-bedroom home requires at least 1250gal septic tank.

**The treatment site shall be protected from any and all traffic, and any soil disturbances, disturbing the treatment site shall void this recommendation.**

Recommendations are only to assist property owner and their agents in complying with standards and are subject to approval by the local environmental health office.

Recommendations in this report are for minimum lateral field size based on Iowa code.

The owner and contractor are responsible for verifying that the system is within property boundaries.

Doug Oelmann

Soil Scientist

Attachment

69.9(3) Construction details for all soil absorption trenches.

a. Depth. Soil absorption trenches shall not exceed 36 inches in depth unless authorized by the administrative authority. Not less than 6 inches of porous soil shall be provided over the laterals. The minimum separation between trench bottom and groundwater, rock formation or other confining layers shall be 36 inches even if extra rock is used under the pipe.

b. Length. No soil absorption trench shall be greater than 100 feet long.

c. Separation distance. At least 6 feet of undisturbed soil shall be left between each trench edge on level sites. The steeper the slope of the ground, the greater the separation distance should be. Two feet of separation distance should be added for each 5 percent increase in slope from level.

d. Grade. The trench bottom should be constructed level from end to end. On sloping ground, the trench shall follow a uniform land contour to maintain a minimum soil cover of 6 inches and a level trench bottom.

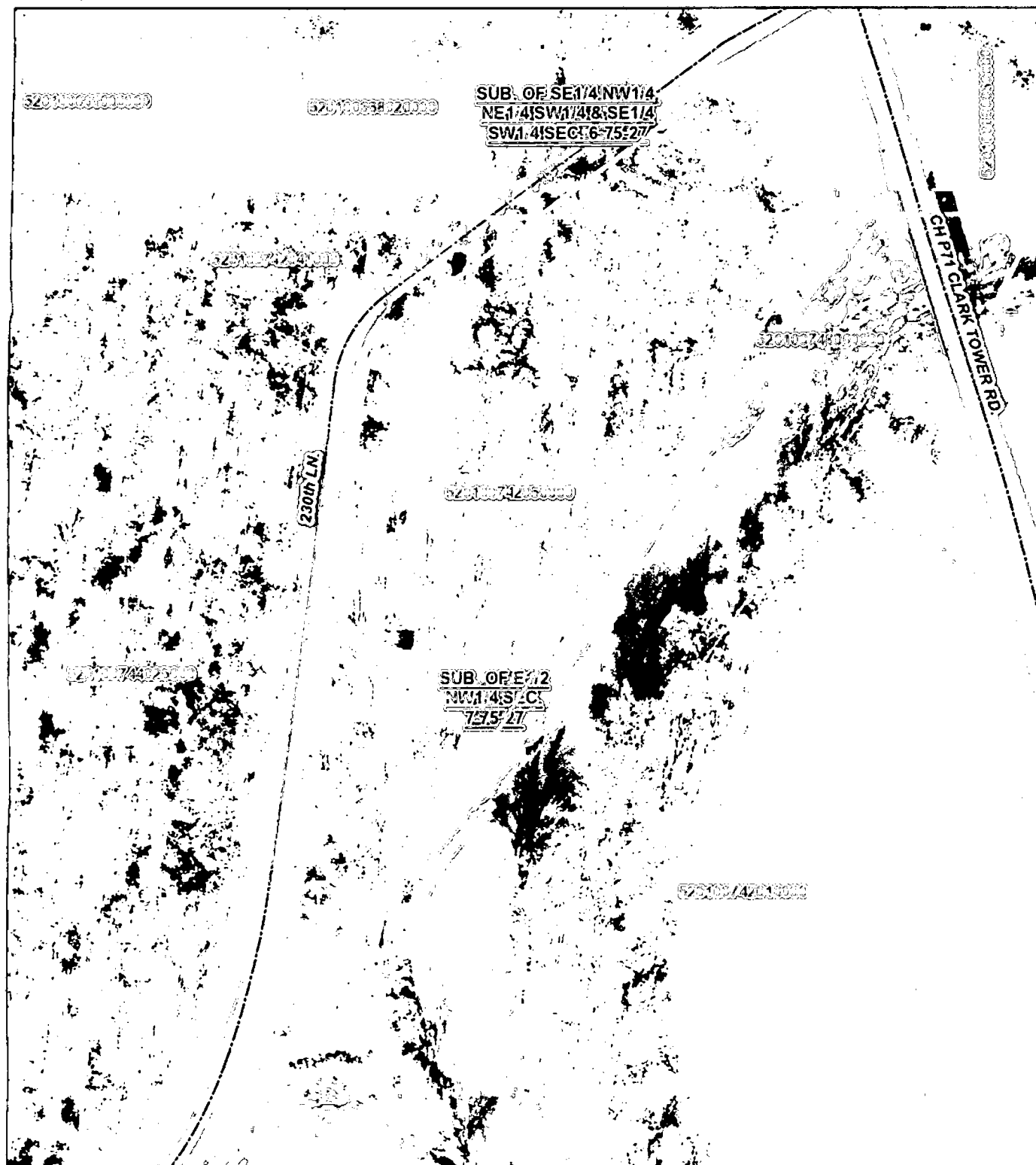
e. Compaction. There shall be minimum use or traffic of heavy equipment on the area proposed for soil absorption. In addition, it is prohibited to use heavy equipment on the bottom of the trenches in the absorption area.

f. Fill soil. Soil absorption systems shall not be installed in fill soil. Disturbed soils which have stabilized for at least one year shall require a recent percolation test or soil analysis.

g. Bearing strength. Soil absorption systems shall be designed to carry loadings to meet AASHTO H-10 standards.

h. Soil smearing. Soils with significant clay content should not be worked when wet. If soil moisture causes sidewall smearing, the installation should be discontinued until conditions improve.

Curtain drains must be spaced --- 10ft. from laterals



Parcel ID 520100742050000  
Sec/Twp/Rng 7-75-27  
Property Address 2234 230TH LN  
WINTERSET

|              |     |
|--------------|-----|
| Alternate ID | n/a |
| Class        | R   |
| Acreage      | 4.1 |

Owner Address ELLER, MICHAEL  
417 E FILMORE ST  
WINTERSET, IA 50265 73

**District** SCOTT WINTERSET WFD  
**Brief Tax Description** 3.15% ACENT PT LOT  
 2 W 1/2 NENW  
 (Note: Not to be used on legal documents)

Septic # 047-19

DATE 4/3/19

**HOMEOWNER**  
**Michael Eller**

ADDRESS **2218 230th Ln**

CITY **Winterset**

STATE

**IA**

312

SECTION NO.

COUNTY

# Madison

**LANDSCAPE-LANDFORM-SLOPE TYPE: (Place "X" on Diagrams-Back of Sheet)**

| SOIL SYMBOL | 2517 |
|-------------|------|
|-------------|------|

SOIL NAME

14 like

| ASPECT | South |
|--------|-------|
|--------|-------|

**SLOPE** 5%

### SOIL PERMEABILITY

ms

| DEPTH<br>(feet) | HORIZON         | SOIL<br>TEXTURE | COLOR    |        | COATS of<br>CLAY FILMS | STRUC-<br>TURE | CONSIS-<br>TENCY | ROOTS | BOUN-<br>DARY | MOIST<br>STATE | COMPAC-<br>TION | PM or<br>REMARKS | LOADING<br>RATE |
|-----------------|-----------------|-----------------|----------|--------|------------------------|----------------|------------------|-------|---------------|----------------|-----------------|------------------|-----------------|
|                 |                 |                 | MATRIX   | REDOX  |                        |                |                  |       |               |                |                 |                  |                 |
| 0-24            | A <sub>1</sub>  | Scl             | 10YR 2/1 | —      | —                      | 25Sbk          | fr               | ✓     | qs            | moist          | None            | ALLOW            | 145             |
| 24-36           | A <sub>2</sub>  | Scl             | 10YR 3/2 | —      | —                      | 25Sbk          | fr               | ✓     | qs            | moist          | ✓               | ✓                | 145             |
| 36-42           | BT <sub>1</sub> | W'sscl          | 10YR 4/3 | —      | 5 films                | 25Sbk<br>25gr  | fr               | ✓     | qs            | moist          | ✓               | ✓                | 145             |
| 42-60           | BT <sub>2</sub> | Scl             | 10YR 3/3 | F.O.Sk | ✓                      | 10YR 10YR      | fr               | ✓     | ✓             | moist          | ✓               | ✓                | 145             |
| 60-72           | BC              | Scl             | 10YR 3/3 | ✓      | —                      | 10YR 10YR      | fr               | ✓     | ✓             | moist          | ✓               | ✓                | 145             |

PM = PARENT MATERIAL. --(1) Loess, (2) Glacial Till, (3) Weathered Glacial Till, (4) Valley Fill, (5) Outwash, (6) Eolian, & (7) Alluvium

Described By:

DEPTH OF POTENTIAL SEASONAL HIGH WATER TABLE (ft.) 4-6

\* description

|                                      |                   |                   |                   |                   |    |
|--------------------------------------|-------------------|-------------------|-------------------|-------------------|----|
| SOIL BORINGS:                        | #1 <u>East</u>    | #2 <u>West</u>    | #3 <u>South</u>   | #4 <u>South</u>   | #5 |
| THICKNESS OF SURFACE SOIL (in.):     | #1 <u>24"</u>     | #2 <u>30"</u>     | #3 <u>36"</u>     | #4 <u>32"</u>     | #5 |
| DEPTH TO REDOX FEATURES: DEPLETIONS: | #1 <u>36"</u>     | #2 <u>57"</u>     | #3 <u>51"</u>     | #4 <u>50"</u>     | #5 |
| DEPTH TO GRAY MATRIX:                | #1 <u>42"</u>     | #2 <u>&gt;60"</u> | #3 <u>&gt;60"</u> | #4 <u>59"</u>     | #5 |
| DEPTH OF LIMITING LAYERS (KD/in.):   | #1 <u>&gt;72"</u> | #2 <u>&gt;72"</u> | #3 <u>&gt;72"</u> | #4 <u>&gt;72"</u> | #5 |
| DEPTH TO CLAY MAXIMUM:               | #1 <u>42"</u>     | #2 <u>44"</u>     | #3 <u>41"</u>     | #4 <u>39"</u>     | #5 |
| DEPTH OF ACTIVE W.T.:                | #1 <u>&gt;60"</u> | #2 <u>&gt;60"</u> | #3 <u>&gt;60"</u> | #4 <u>&gt;60"</u> | #5 |

STATE IA

COUNTY Madison

ZIP 50601

LATITUDE 41.31488

LONGITUDE 94.00687

ELEVATION (ft.) 916

# of Bedrooms 2 AVERAGE LOADING RATE .45

GPD = 150 gallon per bedroom GPD = 300 LR = 145 LLR = 667

TW = 222 ft.

LR = 300 ft.

Formula: Gallons Per Day/Loading Rate = Linear Loading Rate/Trench Width = Total Footage  
Example: 450 GPD/.5 LR = 900 LLR

\* Lateral depth 20-28'

\* Lateral spacing 10ft

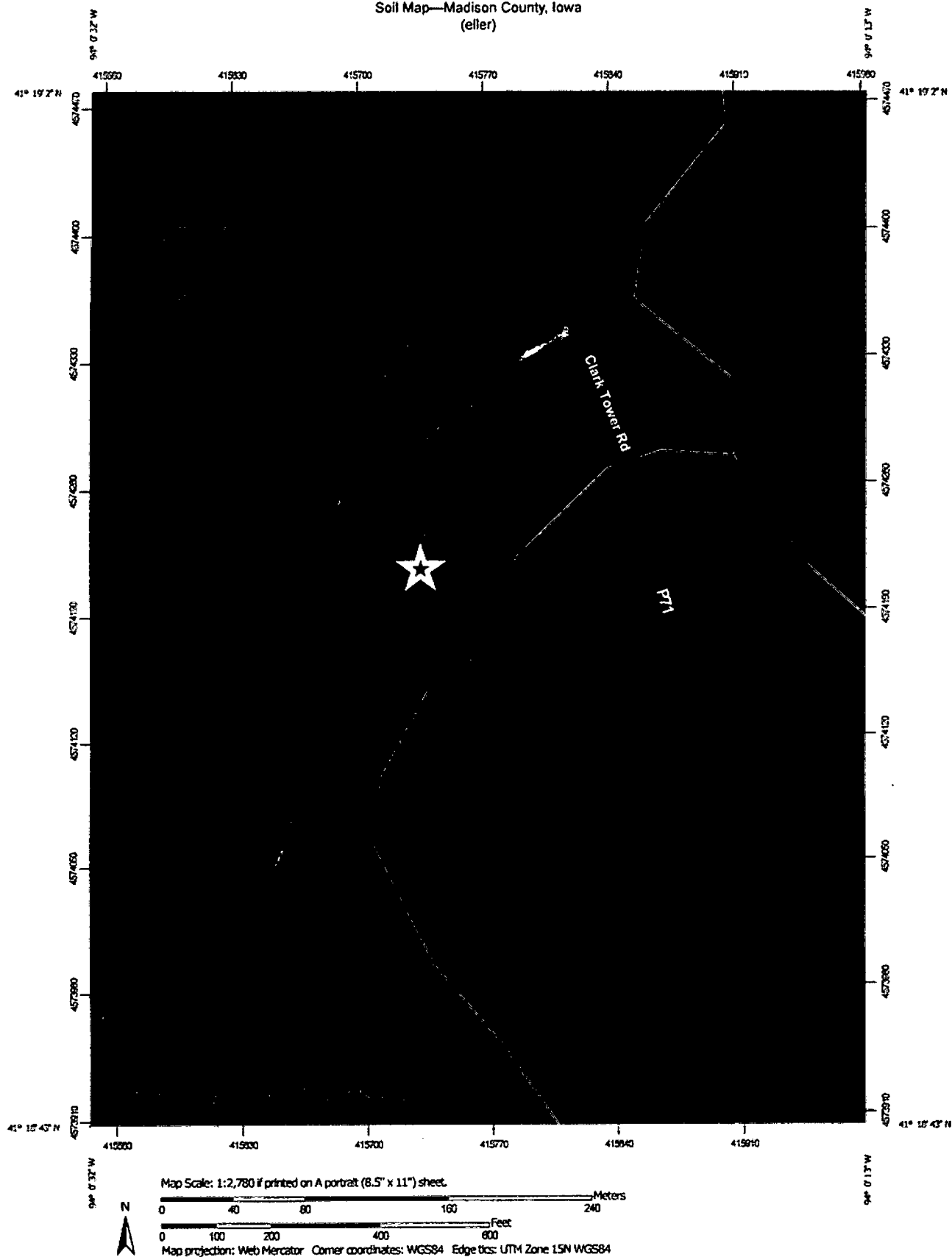
\* Curtain draw top side  
4-5 ft deep with  
2ft of wash rock

Ely Like

Eller



# Soil Map—Madison County, Iowa (eller)












































Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

3/29/2019  
Page 1 of 3

## MAP LEGEND

|   |                        |   |                       |
|---|------------------------|---|-----------------------|
|    | Area of Interest (AOI) |  | Spot Area             |
|    | Soils                  |  | Stony Spot            |
|    | Soil Map Unit Polygons |  | Very Stony Spot       |
|    | Soil Map Unit Lines    |  | Wet Spot              |
|    | Soil Map Unit Points   |  | Other                 |
|    | Special Point Features |  | Special Line Features |
|    | Blowout                |  | Water Features        |
|    | Borrow Pit             |  | Streams and Canals    |
|    | Clay Spot              |  | Transportation        |
|    | Closed Depression      |  | Raills                |
|    | Gravel Pit             |  | Interstate Highways   |
|    | Gravelly Spot          |  | US Routes             |
|    | Landfill               |  | Major Roads           |
|    | Lava Flow              |  | Local Roads           |
|    | Marsh or swamp         |  | Background            |
|    | Mine or Quarry         |  | Aerial Photography    |
|    | Miscellaneous Water    |   |                       |
|    | Perennial Water        |   |                       |
|    | Rock Outcrop           |   |                       |
|    | Saline Spot            |   |                       |
|    | Sandy Spot             |   |                       |
|    | Severely Eroded Spot   |   |                       |
|    | Sinkhole               |   |                       |
|   | Slide or Slip          |   |                       |
|  | Sodic Spot             |   |                       |

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Madison County, Iowa  
Survey Area Data: Version 22, Sep 7, 2018

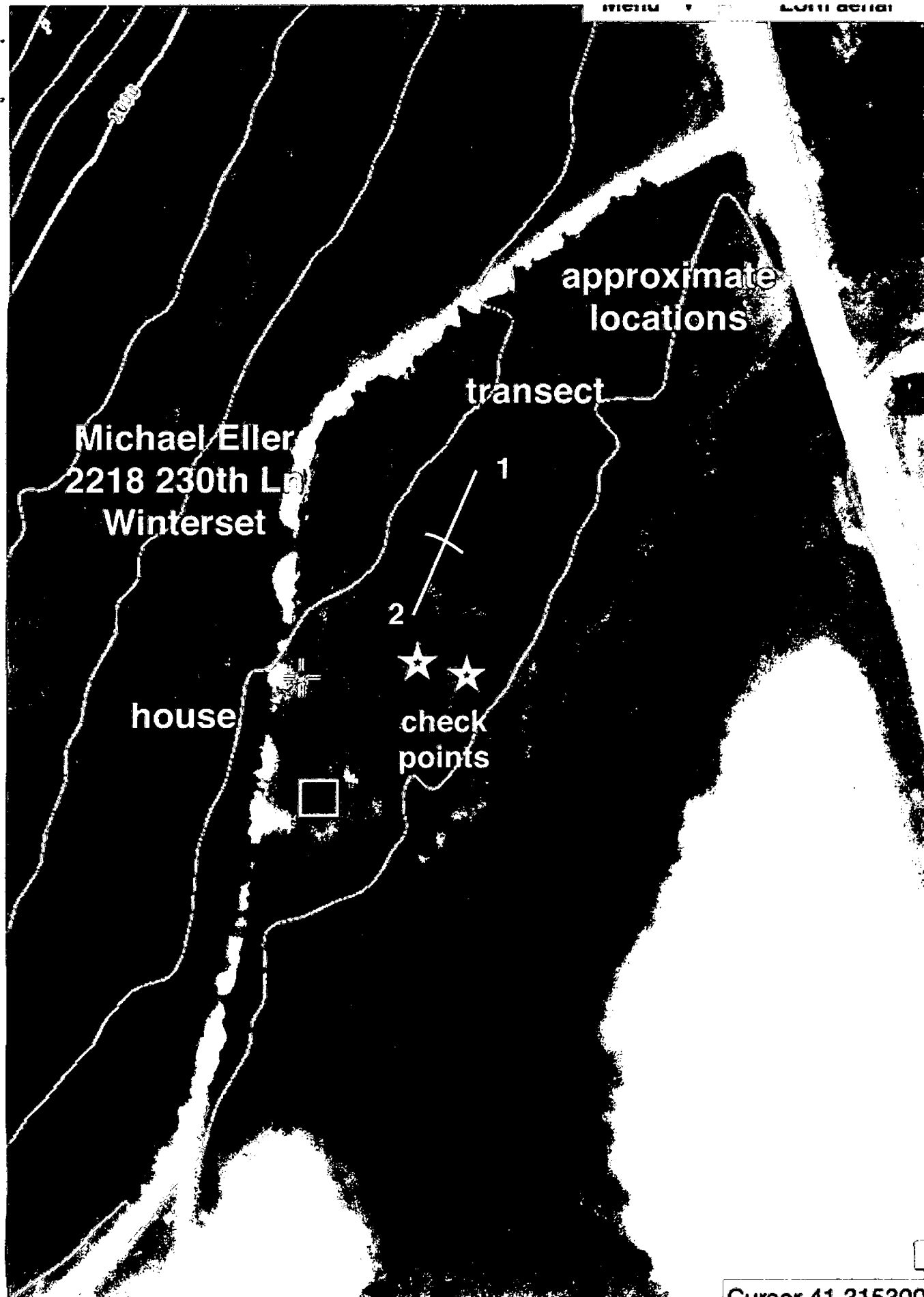
Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 21, 2009—Sep 19, 2016

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

| Map Unit Symbol                    | Map Unit Name   | Acres in AOI | Percent of AOI |
|------------------------------------|---|--------------|----------------|
| 1541                               | Quiver-Colo silty clay loams, 0 to 2 percent slopes, frequently flooded | 2.4          | 6.4%           |
| CIF2                               | Clanton silt loam, 14 to 25 percent slopes, moderately eroded           | 10.1         | 26.8%          |
| GaE2                               | Gara loam, dissected till plain, 14 to 18 percent slopes, eroded        | 0.0          | 0.0%           |
| Ke                                 | Kennebec silt loam, 0 to 2 percent slopes, occasionally flooded         | 0.1          | 0.2%           |
| Nm                                 | Nodaway silt loam, 0 to 2 percent slopes, occasionally flooded          | 14.0         | 37.2%          |
| SoE                                | Sloping stony land  | 7.3          | 19.4%          |
| StG                                | Steep rock land   | 0.9          | 2.3%           |
| W                                  | Water   | 2.9          | 7.8%           |
| <b>Totals for Area of Interest</b> |   | <b>37.6</b>  | <b>100.0%</b>  |





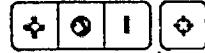
# ICON Madison County, IA

To 1

HI T m W 25 W T 1 s kn T 45

Search

Log In



### Results:

Parcel ID - 520100742050000  
Address - 2220 230TH LN  
Owner - ELLER, MICHAEL  
(DED)  
Acres - 4.1  
View Details

Parcel ID - 820000323040000  
Address - 315 8TH AVE N  
Owner - ELLER, MICHAEL P  
(DED)  
View Details

Parcel ID - 820003300100000  
Address - 422 FILMORE E  
Owner - ELLER, MICHAEL P  
(DED)  
View Details

Parcel ID - 820007002070000  
Address - 417 FILMORE E  
Owner - ELLER, MICHAEL  
(DED)  
View Details

Parcel ID - 820000506060000  
Address - 209 FILMORE W  
Owner - ELLER, MICHAEL P  
(DED)  
View Details

Owner Address: ELLER, MICHAEL  
417 E FILMORE ST  
WINTERSET, IA 50265

Alternate ID: A  
Class: A  
Acres: 4.1

Parcel ID: 520100742050000  
Sec/Twp/Rng: 7-75-27  
Property Address: 2220 230TH LN  
WINTERSET

District: SCOTT  
Bid Tax Description: 315A N CENT PT LOT  
2 W 1/2 NE NW  
(Note: Not to be used on legal documents)

150127351, 479279.15

**MADISON COUNTY ENVIRONMENTAL HEALTH DEPARTMENT**  
**PRIVATE SEWAGE SYSTEM INSPECTION REPORT**  
**SUBSURFACE SOIL ABSORPTION-LATERALS**

| GENERAL INFORMATION   |  |                                 |
|---|--|---------------------------------|
| Owner: <u>Michael Eller</u>                                       | Contractor: <u>Danny Patterson</u>           |                                 |
| Address: <u>2234 25th Ln</u>                                      | Inspector:                                   |                                 |
| Inspection Date:  | <input checked="" type="checkbox"/> Approved | <input type="checkbox"/> Denied |
| S = Satisfactory      U = Unsatisfactory      NA = Not Applicable |  |                                 |

| S                                   | U                        | NA                       | SITE PREPARATION                      |
|-------------------------------------|--------------------------|--------------------------|---------------------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Septic Permit Issued # <u>0247-19</u> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Soils Analyst ID:                     |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | System Exposed for Inspection         |

| S                                   | U                        | NA                       | SETBACKS  |
|-------------------------------------|--------------------------|--------------------------|---|
|                                     |                          |                          | Minimum Setbacks to Closed/Open Portions of Septic System     |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Private Water Well 50'/100'                                   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Shallow Public Water Well 200'/400'                           |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Deep Public Water Well 100'/200'                              |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Heat Pump Borehole 50'/100'                                   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Lake or Reservoir 50'/100'                                    |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Stream or Pond 25'/25'  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Edge of Drainage Ditch 10'/10'                                |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Dwelling or Other Structure 10'/10'                           |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Property Lines 10'/10' (unless an easement signed & recorded) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Other Subsurface Treatment Systems 5'/10'                     |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Water Line Under Pressure 10'/10'                             |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Suction Water Line 50'/100'                                   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Foundation Drain or Subsurface Tiles 10'/10'                  |

| S                                   | U                        | NA                       | SEWER PIPE FROM BUILDING TO PRIMARY TREATMENT                     |
|-------------------------------------|--------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Minimum Setbacks to Wells Private Wells 10' / Public Wells 25'    |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Material Sch.40 Plastic Pipe (or SDR 26 or Stronger) or Cast Iron |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Cleanouts At Building & every 100' & each >45° Direction Change   |

| S                                   | U                        | NA                       | PRIMARY TREATMENT – SEPTIC TANK   |
|-------------------------------------|--------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Gallon Capacity <input checked="" type="checkbox"/> 1250 <input type="checkbox"/> 1500 <input type="checkbox"/> 1750 <input type="checkbox"/> 2000 <input type="checkbox"/> Other |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Watertight Material <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Fiberglass <input type="checkbox"/> Plastic (ribbed const.)                             |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Manufacturer <u>Crestor</u>   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Compartments At least 2 Compartments or 2 tanks in series   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Influent Compartment 1/2 to 2/3 of total tank capacity  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Effluent Compartment 1/3 to 1/2 of total tank capacity  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Inlet 2" to 4" higher than outlet   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Baffles 4" Diameter Schedule 40 plastic tees  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Effluent Screen Meets NSF Standard 46 or equivalent   |





5-15-2020

2234 230<sup>th</sup> Ln  
Winterset

Permit# 047-19



5-15-2020

2234 230<sup>th</sup> Ln  
Winterset

Permit# 047-19



5-15-2020

2234 230<sup>th</sup> Ln  
Winterset

Permit# 047-19

