



Document 2018 GW2133

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LISA SMITH, COUNTY RECORDER
MADISON COUNTY IOWA

CHEK

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

TRANSFEROR:

Name Chance L. Berry and Mary K. Berry

Address 1159 - 220th street, Winterset, IA 50273

Number and Street or RR

City, Town or P.O.

State

Zip

TRANSFeree:

Name Lucas Keuning and Nicole Keuning

Address 616 West North Street, Winterset, IA 50273

Number and Street or RR

City, Town or P.O.

State

Zip

Address of Property Transferred:

1231 - 220th Street, Winterset, IA 50273

Number and Street or RR

City, Town or P.O.

State

Zip

Legal Description of Property: (Attach if necessary) Parcel "C" located in the South Half (S 1/2) of the Southwest Quarter (SW 1/4) of Section Thirty-three (33), Township Seventy-six (76) North, Range Twenty-nine (29) West off the 5th P.M., Madison County, Iowa, containing 5.78 acres, as shown in Amended Plat of Survey filed in Book 2018, Page 1596 on May 21, 2018, in the Office of the Recorder of Madison County, Iowa.

1. Wells (check one)

There are no known wells situated on this property.

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)

There is no known solid waste disposal site on this property.

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)

There is no known hazardous waste on this property.

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)

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.)

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)

- There are no known private burial sites on this property.
- 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.

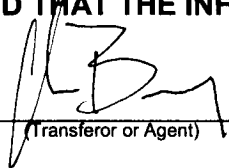
6. Private Sewage Disposal System (check one)

- All buildings on this property are served by a public or semi-public sewage disposal system.
- This transaction does not involve the transfer of any building which has or is required by law to have a sewage disposal system.
- 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.
- 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.
- There is a building served by private sewage disposal system on this property. 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.
- 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 #9]
- This property is exempt from the private sewage disposal inspection requirements pursuant to the following exemption [Note: for exemption #9 use prior check box]: _____.
- The private sewage disposal system has been installed within the past two years pursuant to permit number _____.

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

1. Well located SE of house next to County Road.

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

Signature: 
(Transferor or Agent)

Telephone No.: 515-250-8495

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: 080-16

Date Issued: 11/1/16

Issued to: Chance & Mary Berry
Address: ~~1159~~ 220th Street 1231
Winterset, IA 50273


Legal Description: Par A S 1/2 SW 3.30A Section 33 Jackson Township
PID# 29005 3360010000

POWTS Components Specifications: 1500gal. Septic Tank & 3 each 36" Chamber laterals @ 88'

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: Maximum trench depth is 36 inches.


Environmental Health Officer
Madison County
Office of Zoning and Environmental Health

Application to Construct
Private Sewage Disposal System (PSDS)

Office Use Only					Temp E911
Tracking No.	Date Received	Fee Paid	Check #	Date Issued	Section/Township
080-16	11/1/16	#150		11/1/16	33 Jackson

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		Last Name		First Name		Last Name	
Chance + Mary		Berry		Allen		Akers	
Address				Address			
1159 220th St.				2204 175th St			
City		State		City		State	
Winterset		IA		Winterset		IA	
Zip		Zip		Zip		Zip	
50273		50273		50273		50273	
Phone Number (area code)		Cell Phone		Phone Number (area code)		Cell Phone	
		(515) 230 8495				468-0091	

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 <u>May 8, 78</u> Test taken by <u>Hochstetler</u>	
1-3 Bedroom	1250	Passed: <input checked="" type="checkbox"/> Failed: <input type="checkbox"/>	
4 Bedroom	1500	Percolation Rate: <u>9</u>	
5 Bedroom	1750	Soils Loading Rate: _____	
6 Bedroom	2000		

5. Type of Submittal		6. Address Information	
<input type="checkbox"/> New House <input checked="" type="checkbox"/> Existing House <input type="checkbox"/> Repair Tank <input type="checkbox"/> Repair Treatment Area <input type="checkbox"/> System Replacement		911 Address or nearest road: <u>1231 220th St.</u>	
Previous Permit #: <u>873</u>		Legal Description: <u>Par A 1/2 SW 3.30A Section 33-76-29</u>	

7. Type of Building (Completed by Owner)			
Building Square ft.:	Number of Bedrooms: <u>3</u>	Number of Bathrooms:	Non-Residential uses:
Other buildings served by this system: <u>None</u>		Any other circumstances which may affect water usage: <u>Water softeners must be routed to a brine pit independent of septic system.</u>	

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

8. Tanks			
Septic Tank	Type: <u>Concrete</u>	Size: <u>1500</u>	Manufacturer: <u>Hister</u>
Pump Tank	Type:	Size:	Manufacturer:
Additional Tank	Type:	Size:	Manufacturer:

9. Secondary Treatment Area					
Laterals	Type: <u>36" Low Profile</u>	Length of each: <u>88</u>	Total number: <u>3</u>	Maximum trench Depth: <u>36"</u>	
Sand Filter	Square ft.:	Length:	Width:		
Peat System	Model:	Manufacturer:			
Other	Description				

<p>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.</p>		<p>It is unlawful to start construction, reconstruction, or repair of any PSDS prior to issuance of a PSDS permit by the Environmental Health Officer.</p>
Applicant Signature: <u>Allen Akers</u>	Date: <u>11/2/16</u>	

PERCOLATION RATE	Number Bedroom	Trench (2 or 3 ft)	Soil Loading	Linear feet
9 min/in	3	3 ft	0.65 gal/ft ²	232 ft

Original table III

	2		3 450 gal.		4 600 gal.		5 750 gal.		6 900 gal.	
Width of trench in feet	2	3	2	3	2	3	2	3	2	3
Soil loading rate gal/ft ²										
0.1	Not suitable for soil absorption trenches									
0.2	750	500	1125	750	1500	1000	1875	1250	2250	1500
0.3	500	333	750	500	1000	666	1250	833	1500	1000
0.4	375	250	562	375	750	500	938	625	1125	750
0.5	300	200	450	300	600	400	750	500	900	600
0.6	250	167	375	250	500	333	625	417	750	500
0.7	214	143	321	214	428	286	536	357	643	429
0.8	188	125	281	188	375	250	469	312	562	375
0.9	167	111	250	167	333	222	417	278	500	333
1	150	100	225	150	300	200	375	250	450	300
1.1	136	91	205	136	273	182	341	227	409	273
1.2	125	84	188	125	250	167	313	208	375	250

SOIL LOADING RATE CALCULATION

$$\frac{(\text{Soil loading ABOVE}) - (\text{Soil Loading BELOW})}{(\text{Percolation ABOVE}) - (\text{Percolation BELOW})} = \frac{(\text{Soil loading ABOVE}) - (\text{Soil Loading WANTED})}{(\text{Percolation ABOVE}) - (\text{Percolation GIVEN})}$$

Solve for Soil Loading WANTED:
Soil Loading ABOVE -

$$\frac{((\text{Soil loading ABOVE}) - (\text{Soil Loading BELOW})) * ((\text{Percolation ABOVE}) - (\text{Percolation GIVEN}))}{(\text{Percolation ABOVE}) - (\text{Percolation BELOW})}$$

PERCOLATION TEST RESULTS

APPLICANT Rex Haymond
LOCATION SW $\frac{1}{4}$ Sec. 33-76-29 Jackson Twp.
NUMBER OF BEDROOMS 3

PERCOLATION TESTS:

1. 13 min/inch
 2. 8 min/inch
 3. 5 min/inch
 4.
- AVERAGE 9 min/inch

LINEAL FEET OF ABSORPTION FIELD: 265'
NUMBER OF LATERALS: 3
AVERAGE LENGTH OF LATERALS: 88'

DISCUSSION:

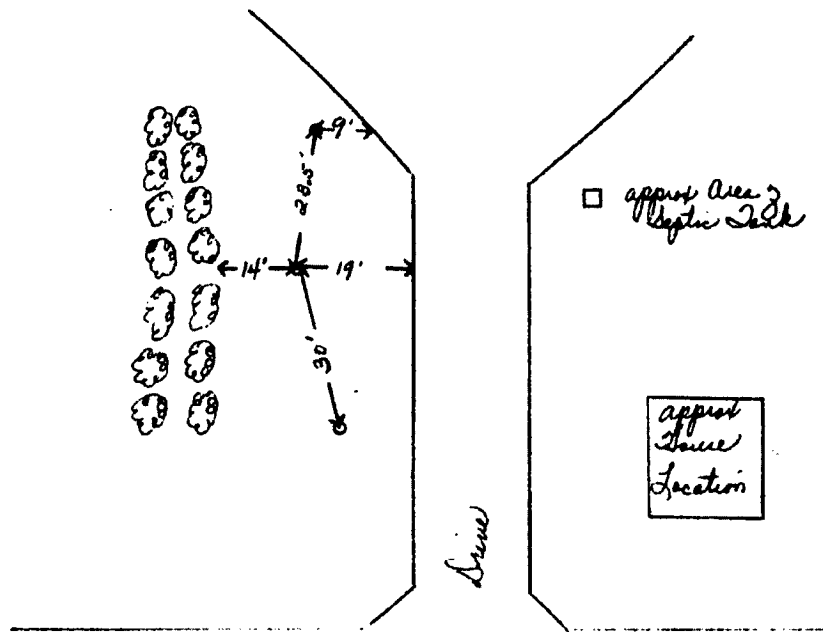
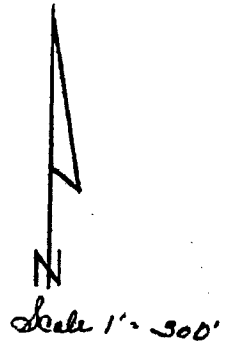
SEAL:

I hereby certify that this plan, specification or report was prepared by me or under my direct personal supervision and that I am a duly registered Professional Engineer under the laws of the State of Iowa.

Signed J. M. Hochstetler Date May 19 1978
J. M. Hochstetler P. E., Iowa Reg. No. 653

Rev Raymond

May 23, 1978



Permit No 080-16 Name: Berry 911 Sign Locate

Date of Installation: 11/1/16 Inspected by: Elton Root

Contractor: Allen Akers

Dwelling under construction or moved in Yes No

Setbacks

Meets required setbacks.

- Rural Water Yes No
- Private wells/heat pump wells/suction water lines/lakes Yes No
- Outside required 50-foot setback for tank Yes No
- Outside required 100-foot setback for laterals Yes No
- Streams/ponds (25-25 ft)-ditches (10-10 ft) Yes No
- Indications of water lines under pressure Yes No

Comments:

Building Sewer

- Clean outs – one right outside of house Yes No
- location of cleanout inside house and set requirement
- Pipe is SCH 40 and has a 4-inch diameter. Yes No
- Grade – has adequate fall. Yes No

Comments: Double clean out located in line going under Cave

Tank

- Septic/Pump Tank Size & Manufacturer Lister 1500 Concrete Plastic
- Pump Tank Size & Manufacturer Concrete Plastic
- Septic compartments meet the specs for capacity. Yes No
- Baffle Yes No
- Inlet/Outlet tees are ok. Yes No
- Effluent filter in the outlet. Yes No Manuf. Poly Lock 4" gray
- Tank depth 24 inches
- Risers Yes No
- Lids above grade screwed on Yes No Will be

Comments:

Distribution Box

- Brand Tuf-Tite Other
- Bedded in cement. Yes No Will be
- Has required inlet baffle. Yes No Will be
- Outlet levels –are level. Yes No Unknown

Comments:

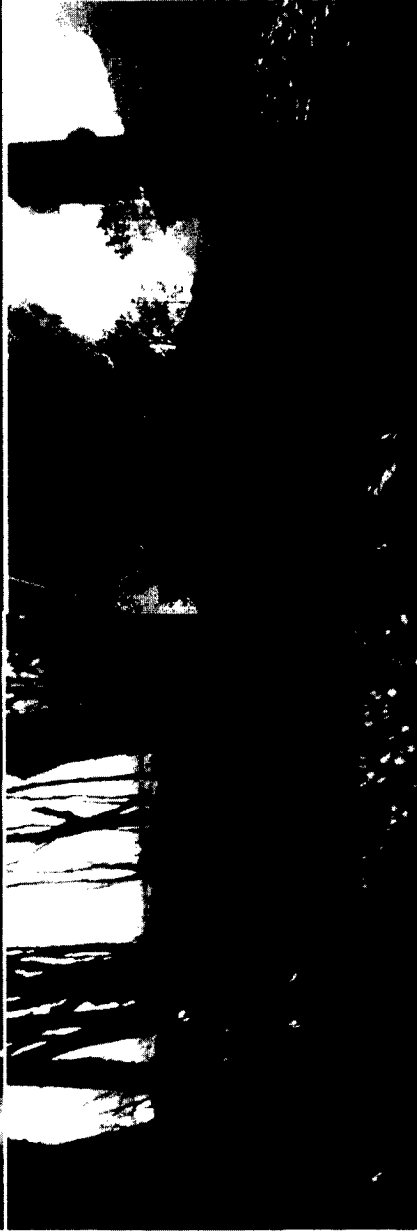
Laterals

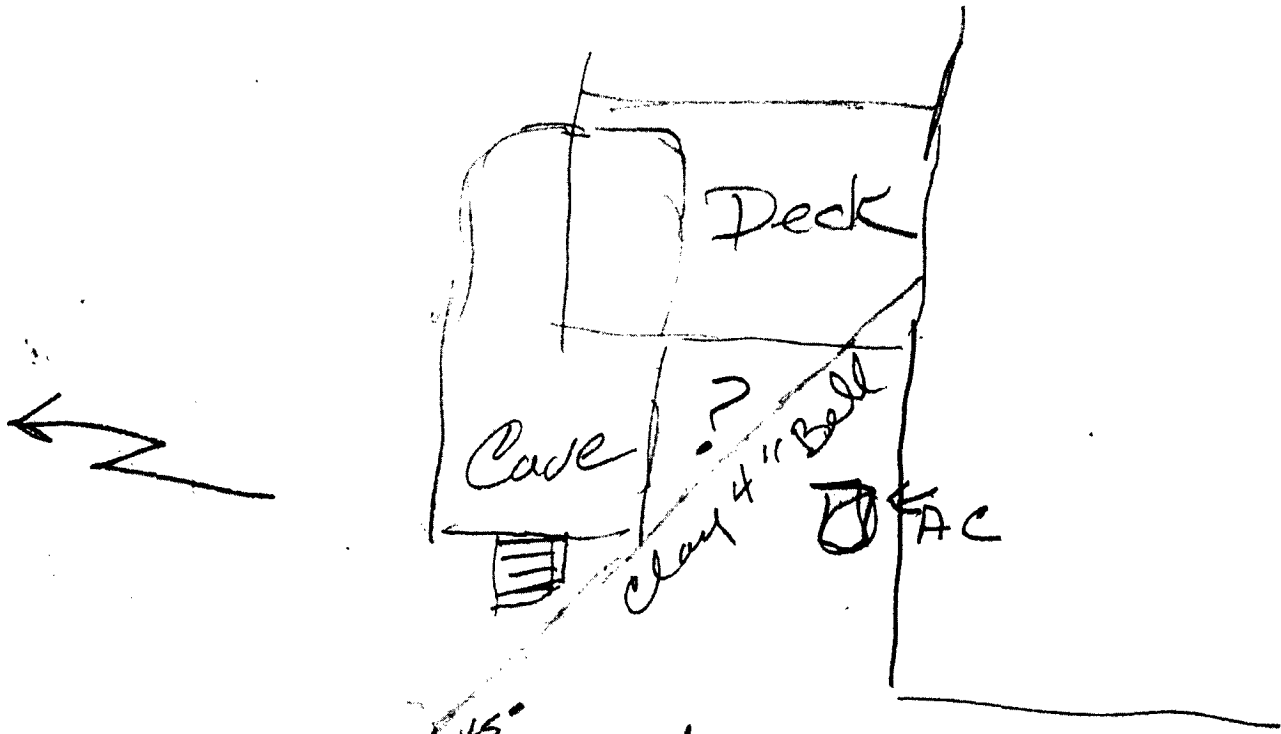
- Distribution lines: 4 -inch PVC pipe – Sch 35
- Lateral used. 36" Low Profile Reduction? Yes No
- Lateral depth. 36 inches Perc depth 36 inches
- Laterals were level. Yes No
- Adequate amount of undisturbed soil between laterals. Yes No
- Distance 9 feet between laterals.

Comments:

Permit # 080-16 Berry installation 11/1/16

1231 220th Street





Permit # 080-16
 1231 220th ST
 Installed 11/1/16

