BK: 2024 PG: 1679
Recorded: 7/15/2024 at 12:29:48.0 PM
Pages 22
County Recording Fee: $0.00
Iowa E-Filing Fee: $0.00
Combined Fee: $0.00
Revenue Tax: $0.00
BRANDY L. MACUMBER, RECORDER
Madison County, Iowa

REAL ESTATE TRANSFER - GROUNDWATER HAZARD STATEMENT

TO BE COMPLETED IN FULL 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 Randi J. Anthony

Address 8655 Bridgewood Blvd, Apt 8112 WDM, IA 50266
Number and Street or RR | City, Town or PO | State | Zip

TRANSFEREE:

Name Thomas Jumper

Address 1975 Wildrose Avenue, Prole, IA 50229
Number and Street or RR | City, Town or PO | State | Zip

Address of Property Transferred:

1975 Wildrose Avenue, Prole, IA 50229
Number and Street or RR | City, Town or PO | State | Zip

Legal Description of Property: (Attach if necessary)

See attached

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)

- [x] 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)

- [x] 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)

- [x] 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.
- [x] 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:

  _____

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: Randi J. Cuthony Telephone No.: (515) 771-6050
(Transferor or Agent)

Legal Description

Parcel "D" located in the Southeast Quarter (1 /4) of the Southeast Quarter (1 /4) of Section Twenty-two (22), Township Seventy-six (76) North, Range Twenty-six (26) West of the 5th P.M., Madison County, Iowa, containing 4.02 acres, as shown in Amended Plat of Survey filed in Book 2020, Page 1392 on April 24, 2020, in the Office of the Recorder of Madison County, Iowa

TIME OF TRANSFER INSPECTION TOT# 11027 BEN BEDWELL CERT # 11612

Site Information

Parcel Description: **450082288022000**

Address: **1975 wildrose ave, Prole, IA 50229** County: **Madison**

Owner Information

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

Business Name:

Owner Name: **Randi Anthony**

Email Address: **rmongar55@gmail.com**

Address: **8655 bridgewood blvd apt 8112, West Des Moines, IA 50266**

Phone No:

Additional Contact Information

Site related information

No Of Bedrooms: **0**

Facility Type: **Residential**

Last Occupied:

Permit issued by County: **Yes**

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

Property Information Comments:

Inspection Date: **06/26/2024**

Currently Occupied: **Yes**

System Installation Date:

Permit Number:

County contacted for records: **Yes**

Primary Treatment

Tank 1

Tank Name: **Tank 1**

Tank Material: **Concrete**

No. of Compartments: **3**

Date Pumped: **6/27/2024**

Type: **Septic Tank**

Tank Corrosion Type: **None**

Pump Tank Chamber: **Yes**

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

Tank Size (Gal): **1250/500**

Liquid Level Type: **Normal**

Licensed Pumper Name: **Wiegert**

Well Type:

Distance To Well (Ft.): | Is Accessible: **Yes** | Lid Intact: **Yes**

Risers Intact: **Yes** | Effluent Filter Present: **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

Pump System 1

Label: **Pump System 1** | Accessible: **Yes** | Control Box Functioning: **Yes**

Alarm(s) Present and Functioning: **Yes** | Functioning As Designed: **Yes**

General Distribution System Comments :

Secondary Treatment

At-Grade1

Distribution Type: **Pump System** | Material Type: **Gravelless Pipe** | At-Grade Bed Width: **9**

At-Grade Bed Length: **80** | Total Absorption Area: **720** | System Hydraulic Loaded: **Yes**

Gallons Loaded: **250** | Meets Setback to Well: **N/A** | Well Type:

Distance To Well (Ft.): | Absorption Bed Probed: **Yes** | Saturation or Ponding Present: **No**

Grass Cover Present: **Yes** | Inspection Ports Present: **Yes** | Valve Box(es) Present: **Yes**

System Located on Owner Property: **Yes** | Easement Present: | 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# 11027 BEN BEDWELL CERT # 11612

Owner Name:	**Randi Anthony**		
Address:	**1975 wildrose ave , Prole , IA 50229**		
County:	**Madison**		
Inspection Date:	**06/26/2024**	Submitted Date:	**7/10/2024**

This page certifies a Time of Transfer inspection was conducted and submitted for the property listed above in accordance with Subrule 567 IAC 69.2(8).

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: 093-20 **10/02/2020**

Issued to: **Randi & William Mongar**
Address: **1975 Wildrose Ave.**
Prole, IA 50229

Legal Description: **Par D 4.02A In SE SE PID# 450082288022000**
Sec 22 T76N R26W Crawford TWP

POWTS Components Specifications: **1250/500 Gal. Septic/Pump Tank & an At-Grade-Mound System**

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: **All fees, maintenance, testing, & construction shall be in accordance with Engineer, Manufacturer, County, & State regulations.**
At least a 24-hour notice for inspections.

Tina Burk

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

Madison County
Office of
Zoning & Environmental Health

Application to Construct Private Sewage Disposal System (PSDS)

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

Office Use Only					Temp E911:	
Tracking No.	Date Received	Fee Paid	Check #	Date Issued		Section/Township
093-20	10/2/20	150.00	7192	10/2/20		26 Crawford

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)

First Name: Randi Last Name: Morgan
Address: 1975 Wildrose Ave.
City: Prole State: IA Zip: 50229
Phone Number: Cell Phone: 515-771-6050
Email: rmorgan55@gmail

2. Installation Contractor Information

First Name: Glen Last Name: Bedwell
Address: 2924 Quaker St.
City: St. Charles State: IA Zip: 50240
Phone Number (area code): 515 681 2053 Cell Phone:

3. System Requirement Information

IAC CHAPTER 69 DOUBLE COMPARTMENT TANK REQUIRED

	Minimum Tank Size Required
1-3 Bedroom	1250
4 Bedroom	1500
5 Bedroom	1750
6 Bedroom	2000

4. Site and Soil Evaluator (Percolation Test/Soils Analysis)

PERCOLATION/SOILS ANALYSIS MUST BE COMPLETED AND APPROVED PRIOR TO THE ISSUANCE OF PERMIT

Date test taken: 6/13 Test taken by: Brian Campbell
Passed: ✓ Failed:
Percolation Rate:
Soils Loading Rate: 0.45 gal/day/ft²

5. Type of Submittal

- ☑ New House
- ☐ Existing House
- ☐ Repair, Tank
- ☐ Repair, Treatment Area
- ☐ System Replacement

Previous Permit #:

6. Address Information

911 Address or nearest road: 1975 Wildrose Ave

Legal Description: Parcel D 4.02A in SE SE 22-76-26

PID # 450082288022000

7. Type of Building (Completed by Owner)

Building Square ft.: 1200 Number of Bedrooms: 2 Number of Bathrooms: 2 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

	Type:	Size:	Manufacturer:
Septic Tank	Concrete	1250/500	Indianola
Pump Tank	Type:	Size:	Manufacturer:
Additional Tank	Type:	Size:	Manufacturer:

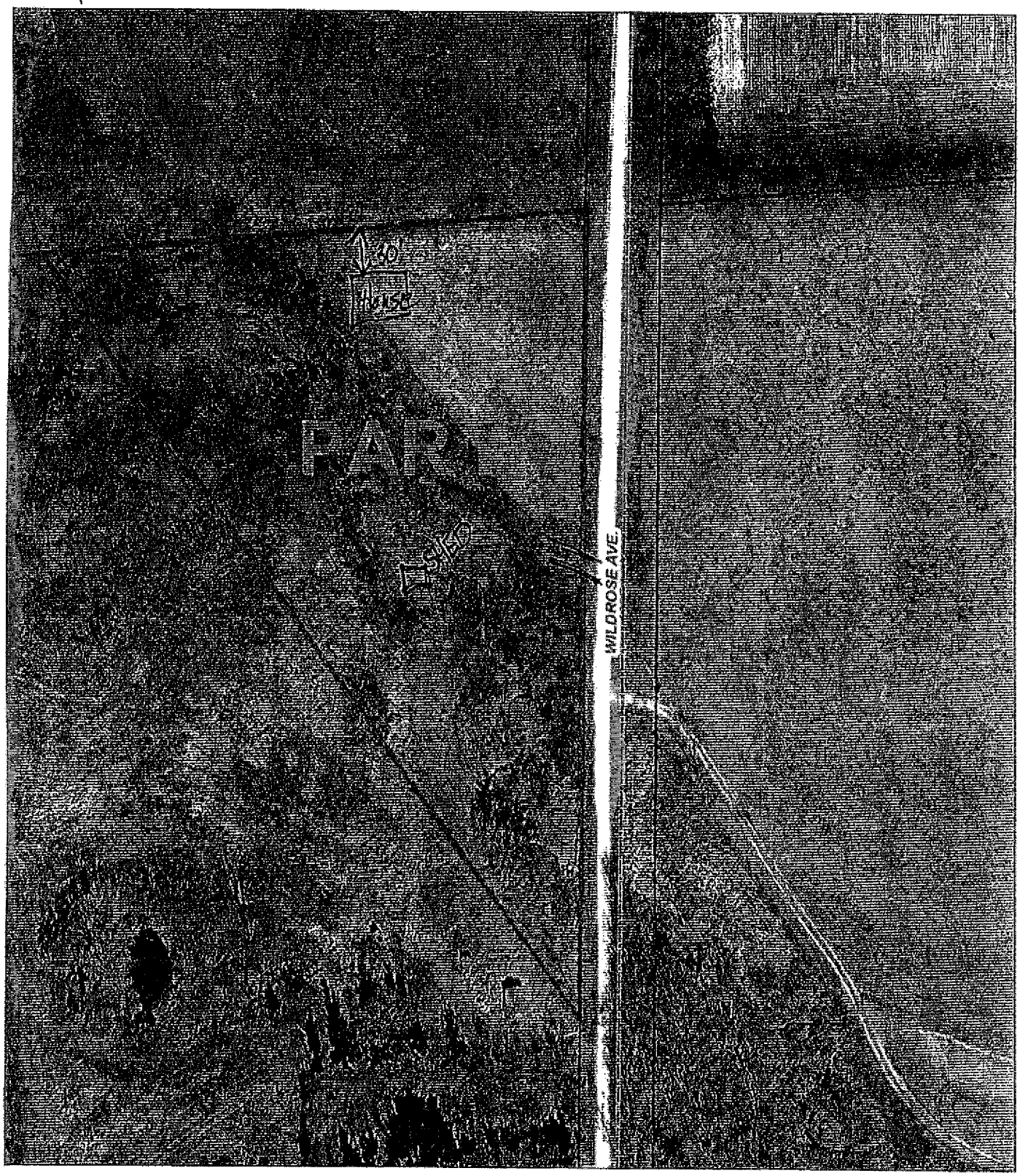
9. Secondary Treatment Area

Laterals	Type:	Length of each:	Total number:		Maximum trench Depth:
Sand Filter	Square ft.:	Length:	Width:		
Peat System	Model:	Manufacturer			
Other	Description: At-Grade-Mound see attached design				

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 Recorders Office. Discharging systems also require periodic testing as set forth in IAC Chapter 69 and Madison County Environmental Health Regulations.

Applicant's Signature: Randi Morgan Date: 9/8/2020

It is unlawful to start construction, reconstruction, or repair of any PSDS prior to issuance of a PSDS permit by the Environmental Health Officer.



Parcel ID	450082288022000	Alternate ID	n/a	Owner Address	MONGAR, WILLIAM & RANDI
Sec/Twp/Rng	22-76-26	Class	A		1400 HUNTER DR
Property Address	1975 WILDROSE AVE PROLE	Acreage	4.02		NORWALK, IA 50211

District: CRAWFORD WINTERSET WFD

Brief Tax Description: PAR D 4.02A
IN SE SE
(Note: Not to be used on legal documents)

1975 Wildrose Ave

ONSITE WASTEWATER SOIL EVALUATION FOR SEPTIC SYSTEM

File # SE2016

Owner...: Delmar E. Hobart
Address: 1991 Wildrose Ave.
Prole, IA 50229

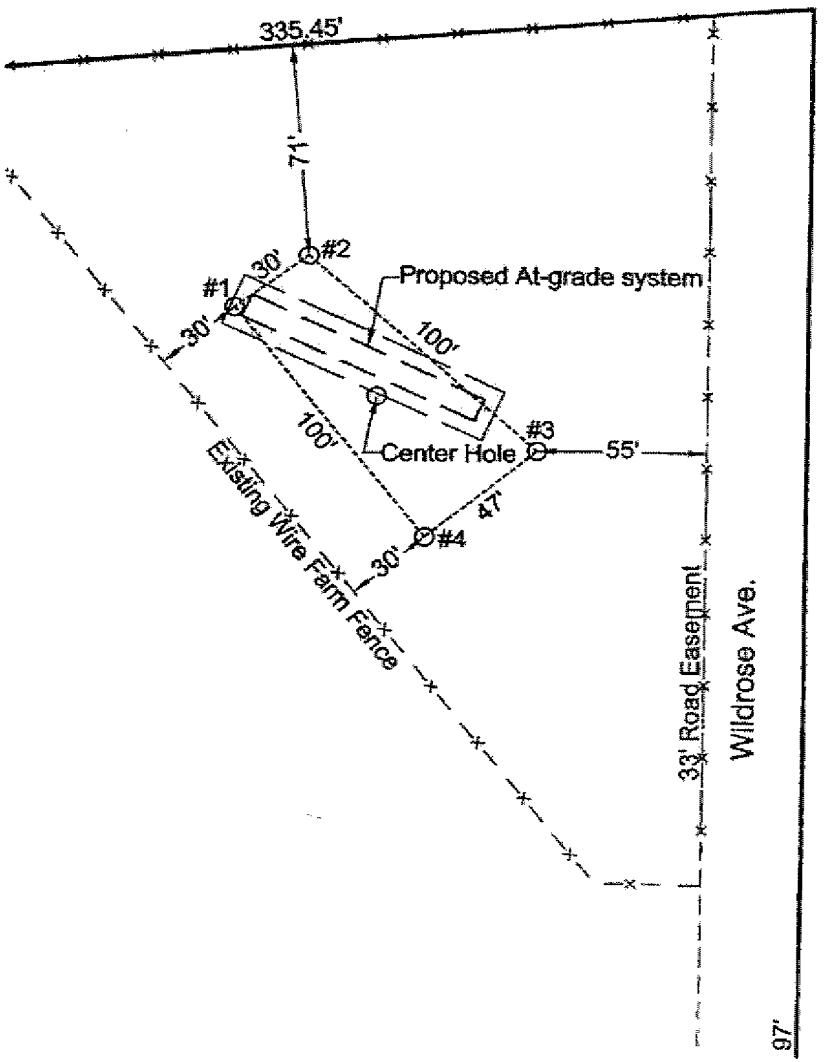
Buyer...: William & Randi Mongar
Address: 1400 Hunter Dr.
Norwalk, IA 50211

Property Address: Wildrose Ave., Prole - Crawford Township, Madison County
Legal Description: Parcel "D" of the SE1/4, Section 22-76-26

Structure: New: X Existing: ___ No. Bedrooms: 2
Lot Size: 4.00 acres Design flow 300 gpd
Depth to confining layer 48"(mottles); 54"(water)
Maximum depth of trench 12" Soil loading rate 0.45 gpsf

Alternative System Recommended:
Pressurized At-grade System in a 12" deep trench. Construct in accordance with IAC Chapter 69. Cover with 12" of loamy top soil and crowned to 18" at the center to allow for settling and water to shed. Minimum 1,250 gallons liquid storage, pump tank, and an effluent filter are required. Minimum 10' separation from buildings, property lines, tile and water lines. See design drawing.

DEPTH IN FEET	Test #1	Test #2	Test #3	Test #4
1	Black Silt Loam Blocky, Strong	Dark Brown Silt Loam Blocky, Strong	Dark Brown Silt Loam Blocky, Strong	Dark Brown Silt Loam Blocky, Strong
2			Dark Brown Silty Clay Loam Blocky, Moderate	Dark Brown Silty Clay Loam Blocky, Moderate
3	Dark Brown Silty Clay Loam Blocky, Moderate	Dark Brown Silty Clay Loam Blocky, Moderate	Dark Gray-Brown Silty Clay Loam Blocky, Weak	Dark Gray-Brown Silty Clay Loam Blocky, Weak
4				



N

Scale 1" = 60'

The lateral field area shall be protected from all traffic or soil disturbances. The location of property boundaries, buried utilities, well locations, or any easements have not been verified by this engineer. The analyses and recommendations in this report are based in part upon the data obtained from the soil tests performed at the indicated locations, the NRCS Web Soil Survey and National Cooperative Soil Survey, and onsite inspection. Soil textural class was determined by the "Feel Method". This report does not reflect any variations, which may occur between borings or across the site.

LICENSED PROFESSIONAL ENGINEER AND LAND SURVEYOR
BRIAN R. CAMPBELL
12846
IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Iowa.

Signed: Brian R. Campbell

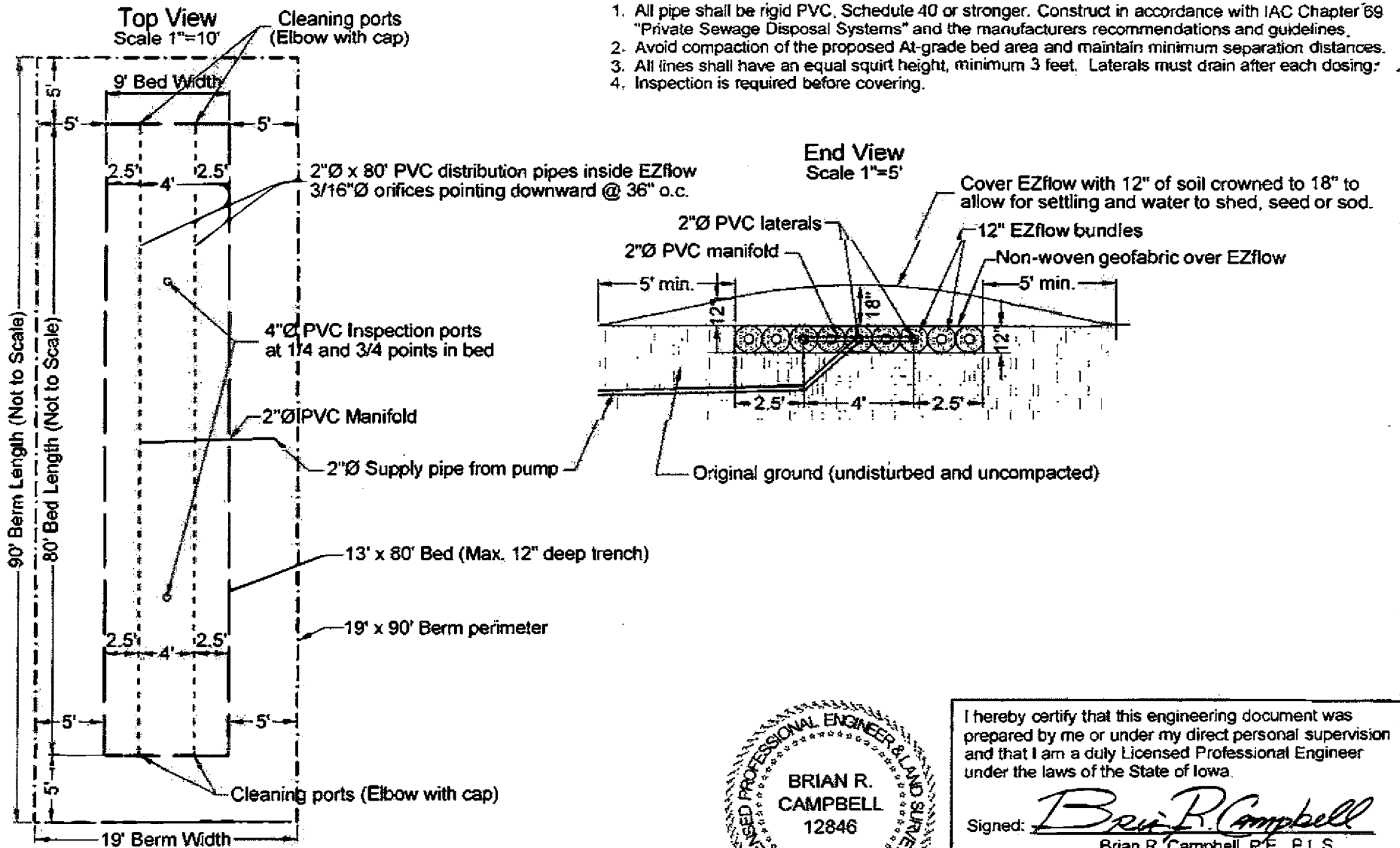
Brian R. Campbell, PE, PLS - Ph: 515-963-4385

Date...: 6/13/2020 Lic. No. 12846

*My license renewal date is December 31, 2021.

NOTES:

1. All pipe shall be rigid PVC, Schedule 40 or stronger. Construct in accordance with IAC Chapter 69 "Private Sewage Disposal Systems" and the manufacturers recommendations and guidelines.
2. Avoid compaction of the proposed At-grade bed area and maintain minimum separation distances.
3. All lines shall have an equal squirt height, minimum 3 feet. Laterals must drain after each dosing.
4. Inspection is required before covering.



BRIAN R. CAMPBELL 12846 LICENSED PROFESSIONAL ENGINEER & LAND SURVEYOR IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Iowa.

Signed: Brian R. Campbell

Brian R. Campbell, P.E., P.L.S.

Date: 12/17/2020 Lic. No. _____

*My license renewal date is December 31, 2021.

Campbell Engineering & Surveying
301 NE Trilen Drive, Suite 1
Ankeny, Iowa 50021
Phone..: (515) 963-4585
E-mail..: info@ceslowa.com

FIELD WORK:	BRC/CGC	5/1/2020
DRAWN BY:	BRC	6/13/2020
REVISED BY:	BRC	12/17/2020
REVISED BY:		
REVISED BY:		

At-grade Septic System with Rock and Pipe

Parcel D-SE1/4-SE1/4 of Section 22-76-26
1975 Wild Rose Ave., Prole, IA 50229

Requested By: Randi Mongar
Buyer..... William & Randi Mongar

PROJECT #
FILE #..... WT2011R-1
SCALE
VERT.
HORIZ.
SHEET 1 of 2

Wastewater Treatment Design - Pressurized At-grade System

(Z:\2020 Projects\Word\Wastewater Treatment\WT2011 At-grade\WT2011R-2.doc)
Revised 12/17/2020

Owner Name.....: William & Randi Mongar
Property Address...: 1975 Wild Rose Ave., Prole, IA – Crawford Township, Madison County
Legal Description...: Parcel D of the SE1/4 of Section 22-76-22

1. **Site Evaluation**
Onsite Soil Evaluation Report dated 6/13/2020; Confining Layer = 48"(mottles); Site Slope = ±2%; Soil Loading Rate, SLR = 0.45 gal/day/ft^2; Design Flow Rate, DFR = 2 bedrooms x 150 gpd/bedroom = 300 gpd

2. **Bed, Absorption Area, and Berm Sizing**
300 gpd/(0.45 gal/day/ft^2) = 667 ft^2 bed area.
Bed depth = 1'; At-grade Mound Height = Depth of Cover = 1'(1.5' at crown)
Total Width = Berm Width + Bed Width + Berm Width = 5' + 9' + 5' = 19 ft
Total Length = Berm Width + Bed Length + Berm Width = 5' + 80' + 5' = 90 ft
Plow or scarify the ground surface below the unexcavated berm area to a depth of 8" parallel with the land contour.

3. **Pressurized Distribution System**
Construct the At-grade septic system with a 9' x 80' level bed utilizing 12" diameter Ezflow placed at a maximum depth of 12". Center-feed 2 - 2"Ø x 80' long PVC distribution pipes centered in the bed at 4' on-center. Distribution pipes shall be provided with a single row of 3/16"Ø orifices facing downward in a straight line at 36" on-center along the length of the pipe. No orifices or perforations shall be permitted within 3" of the end of the outer ends of any of the distribution pipes. Use 2"Ø PVC supply and manifold piping. Cover the entire bed of Ezflow bundles with non-woven synthetic drainage fabric. Place 12" of loamy soil cover over the rock and crowned to 18" at the center to shed water and allow for settling. The soil cover must be of a quality to sustain good vegetative cover. The entire berm shall be seeded or sodded with grass. Install silt fencing or silt sock as necessary. All PVC shall be Schedule 40 rigid plastic pipe with nominal diameter sizing. A minimum of 1,250 gallons liquid storage, pump tank, and an effluent filter are required.
Number of orifices = 26 per lateral with 2.6' spacing from the ends of the lateral and 1.5' each side of the manifold.
Use 2 - 80' x 2"Ø PVC dist. pipes @ 4' on-center, centered in the bed using 12" bundles of EZflow and 2"Ø manifold. Drill each lateral with 26 - 3/16"Ø orifices pointed downward @ 36" on-center, 18" each side of manifold, 30" to ends.

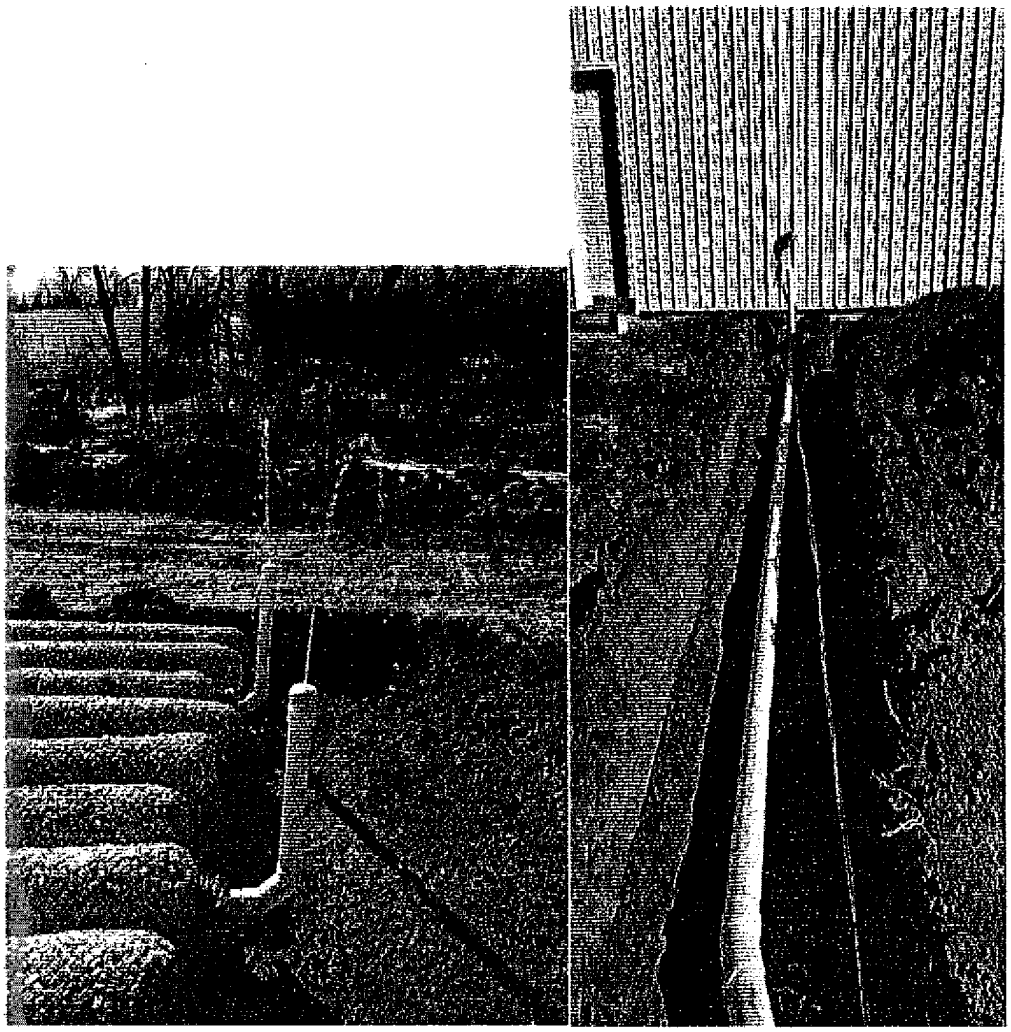
4. **Vertical Inspection and Clean-out Pipes**
Install two 4"Ø vertical inspection pipes at the 1/4 and 3/4 points of the bed length to provide for observation. Install a turn-up at the end of each distribution pipe for use as a testing and flushing port. Extend pipes up to the top of the mound for easy access.

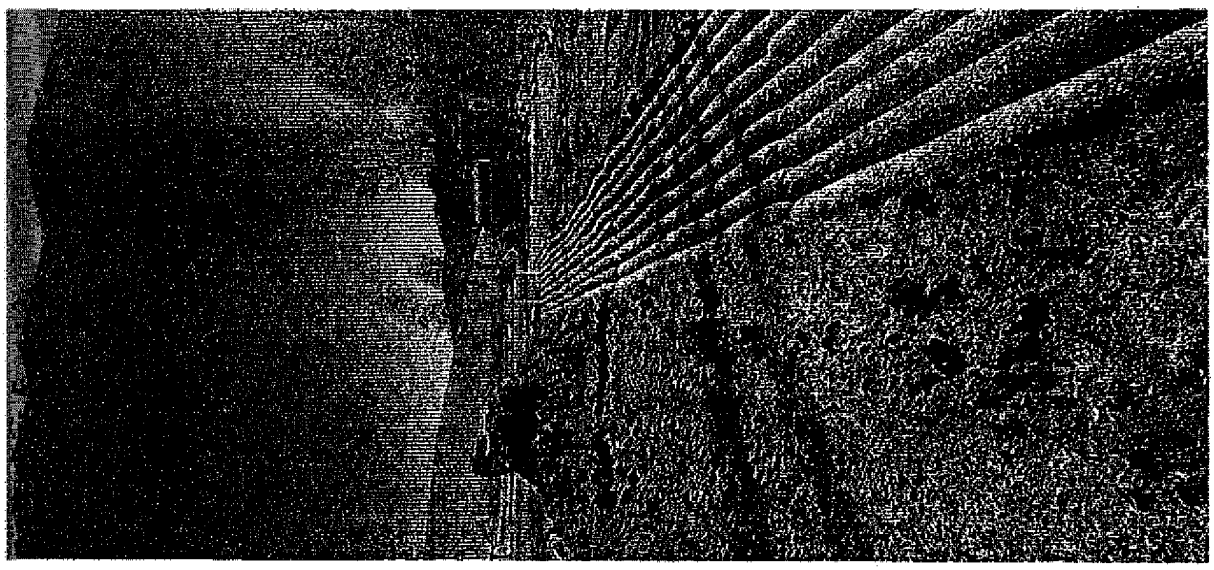
5. **Dosing Quantity and Pump**
Force main and manifold = ±50' of 2"Ø pipe; Design for distal head pressure, h_d = 3.0 ft. (squirt height)
Dose limit is 20% of Design Flow Rate Volume = 0.20 x 300 = 60 gal.
System vol.= (2 x 80' x 0.174 gal./ft.) = 28 gal.; Net dose vol. = 5 x System vol. = 5 x 28 gal. = 140 gal. > 60 gal.
Main and manifold volume = 50' x 0.174 gal./ft. ≈ 9 gal., Set gross dose volume = 60 + 9 = 70 gal. dose volume
$q = 11.79d^2h_d^{0.5}$; d = orifice diameter = 3/16", h_d = distal head pressure = 3.0 ft. (squirt height) → q = 0.72 gpm/orifice
Force main flow rate = Q_m = (0.72 gpm/orifice x 52) + (1.28 gpm for 1/4" weep hole) = 39 gpm → 40 gpm pump
Elevation Head = 3.5 ft., Pump Pit Loss = 2.5 ft., h_d (squirt height) = 3 ft.
Friction loss: 2(45° bend x 3') + 1(branch tee x 12') + 1(cross x 4') + 50' pipe + (2 x 80') dist. pipes ≈ 232' pipe length
Friction loss = $L_d(3.55Q_m/C_hD_d^{2.63})^{1.85}$; L_d = Length of force main, feet; Q_m= discharge rate, gpm;
C_h = 150, Hazen-Williams friction factor for plastic pipe; D_d = pipe diameter of force main, inches.
Total friction head loss in pipe and fittings = 232' x $[(3.55 \times 40)/(150 \times 2^{2.63})]^{1.85}$ ≈ 7
Total Head = 3.5' + 2.5' + 3' + 7' = 16 ft.

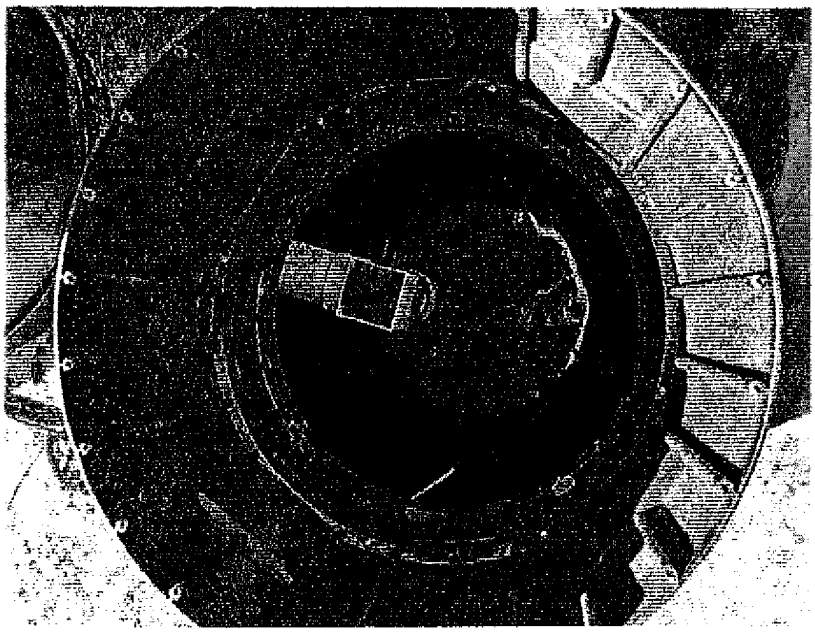
*Use pump which delivers 40 gpm at 16' head; 3' squirt height at ends of lateral; 70 gal. gross dose vol.

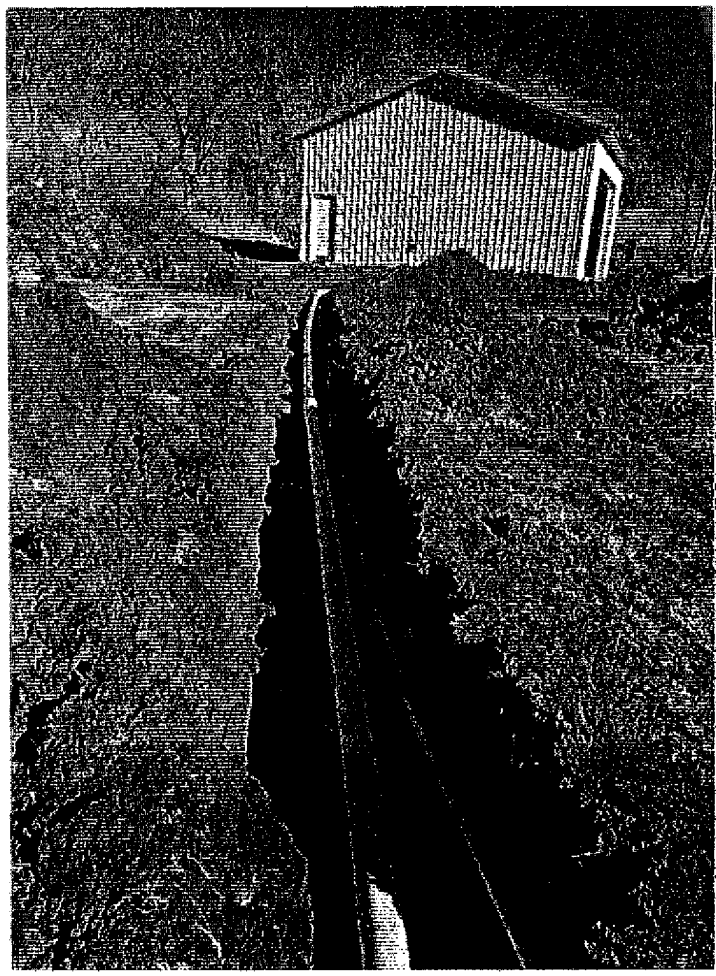
*These are approximations, pump requirements shall be based on the actual configuration of the system.

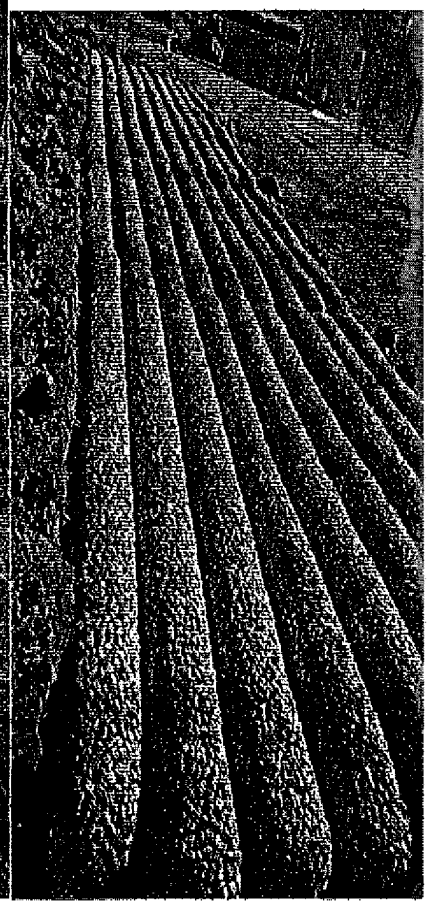
Permit # 093-20 1975 Wildrose Ave. 12/23/2020



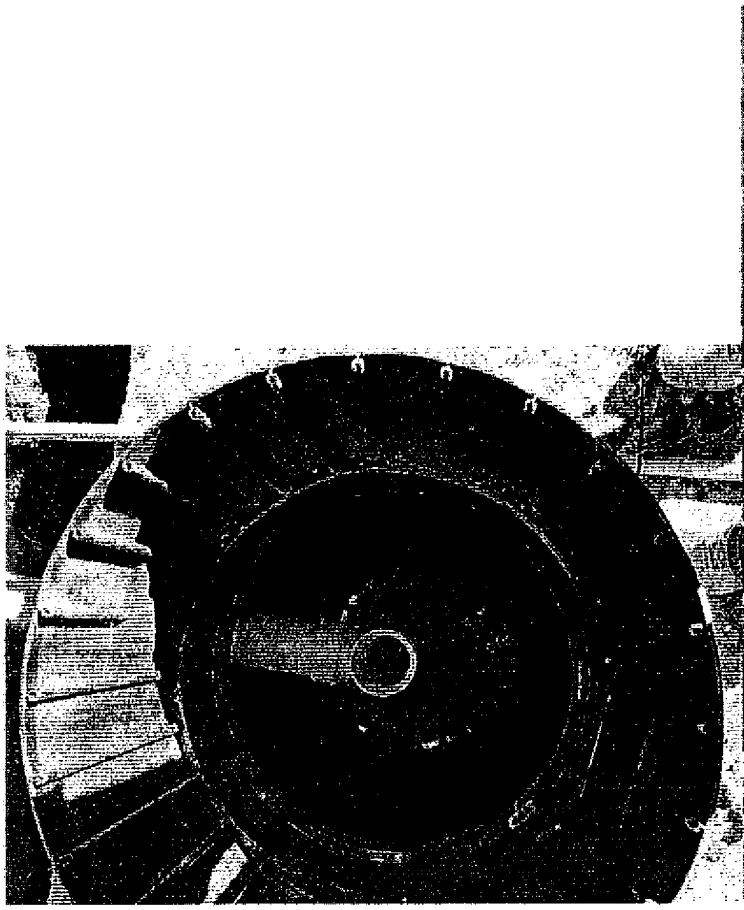


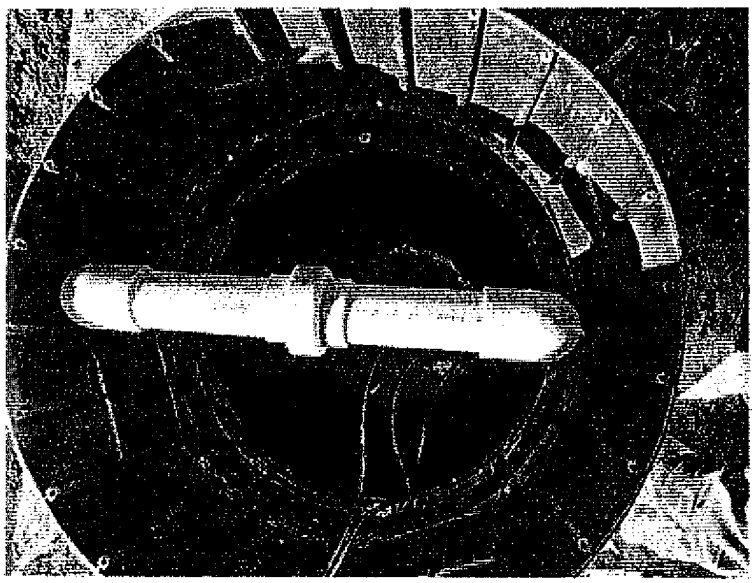




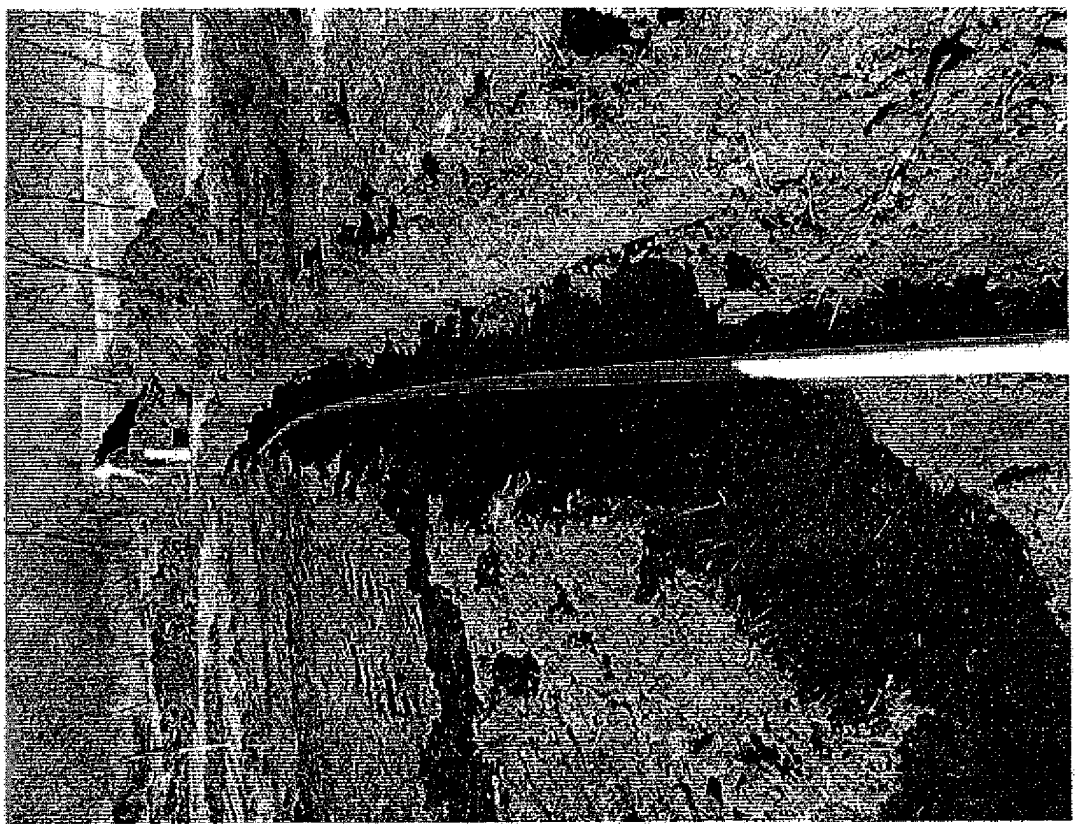


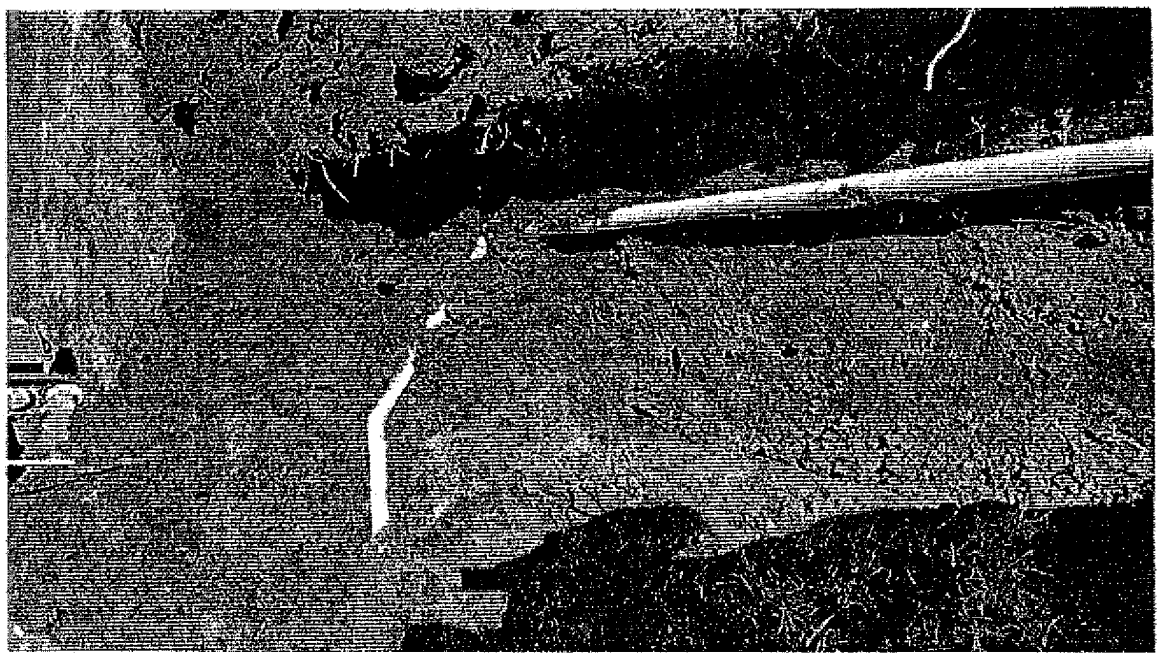
Permit # 093-20 1975 Wildrose Ave. 12/23/2020





Permit # 093-20 1975 Wildrose Ave. 12/23/2020



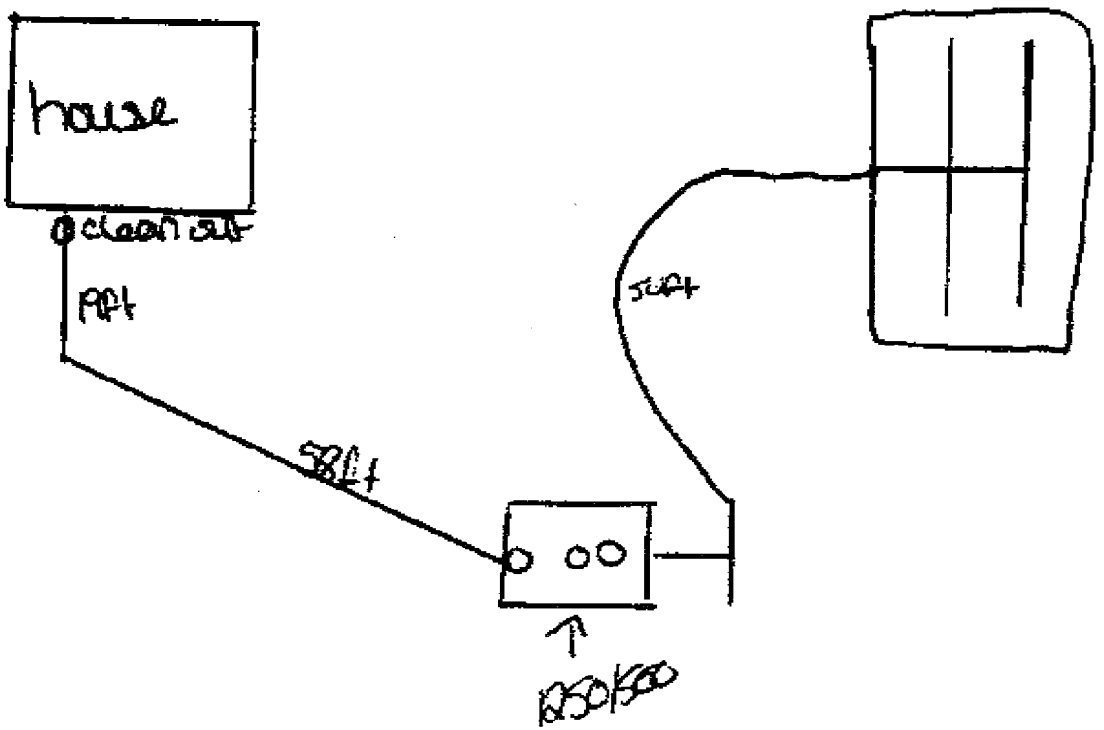


↑E

1975 Wildrose Ave

Permit # 093-20

12-22-20



MADISON COUNTY ENVIRONMENTAL HEALTH DEPARTMENT
PRIVATE SEWAGE SYSTEM INSPECTION REPORT
SUBSURFACE SOIL ABSORPTION-AT GRADE

GENERAL INFORMATION	
Owner: Barry Morgan	Contractor: Rockwell
Address: 1475 Wildrose Ave	Inspector: Inman
Inspection Date: 12-22-20	☑ Approved ☐ Denied

S = Satisfactory U = Unsatisfactory NA = Not Applicable

S	U	NA	SITE PREPARATION	
☐	☐	☐	**Septic Permit Issued**	# 093-20
☐	☐	☐	**Soils Analysist**	ID Cavanaugh
☐	☐	☐	**System Exposed for Inspection**	

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

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

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

☒☐☐	**Watertight Risers**	Minimum 18" Diameter at or above ground surface
☒☐☐	**Inlet/Outlet Connections**	Self-sealing gaskets formed or cast into tank material
☒☐☐	**Schedule 40 Pipe**	At least 5' past outlet & 2' past disturbed ground

S	U	NA	DOSING
☒	☐	☐	**Pump Dosing Required for at grade systems**
☒	☐	☐	**Dosing Volume** three to ten times the distribution pipe network volume, but not more than 25 percent of the design flow shall be applied to the soil in one dose.
☒	☐	☐	**Dosing Pump shall be capable fo maintaining a squirt height of 3 feet above the pipe at the outer ends of the distribution lines. All lines shall have an equal squirt height for equal distribution.**

S	U	NA	At Grade System
☒	☐	☐	**Placement** Constructed on undisturbed naturally occuring soil
☒	☐	☐	**Surface or subsurface obstructions** not permitted within 25 feet downgradient of at grade system on slope greater than 5% slope.
☒	☐	☐	**Certified Engineers Design installed.**
☒	☐	☐	Minimum of 3 feet of undisturbed naturally occurring soils between the bottom of the gravel in the at-grade system and the highest elevation of the limiting conditions defined in Paragraph 69.11(1)"c"
☒	☐	☐	**At-grade system installed up to 12 inches deep (Or per engineer spec.)**
☒	☐	☐	Gravel meets specifications in 69.9(4)"a". EPS aggregate or chambers are acceptable alternatives.
☒	☐	☐	**Bed installed with the long dimension parallel to the land cotour.**
☒	☐	☐	Soils under or within 15 feet of any at-grade system may be disturbed. On sloping site, no soils shall be disturbed within 10 feet uphill of the system and within 15 feet downhill of the system plus an additional 5 feet for every 5 percent slope downhill.
☒	☐	☐	**Area plowed to a minimum depth of 7-9 inches, parallel to the land contour, with the plow throwing the soil up slope to provide a proper interface between the fill and the natural soil. Chisel teeth on a backhoe bucket shall be at least as long as the depth of plowing. Tree stumps should be cut flush with the surface of the ground and roots should not be pulled.**
☒	☐	☐	One foot of loamy cover material shall be installed over the rock bed. Cover shall extend at least 5 feet from the ends of the rock bed and be sloped to divert surface water. Side slopes shall not be steeper than 4:1. The upper 6 inches of the loamy soil cover must be topsoil borrow.
☒	☐	☐	**Distribution pipe shall be rigid plastic pipe, Schedule 40 or 80 with a 1 inch nominal diameter or equivalent design that ensures proper distribution.**
☒	☐	☐	The distribution pipe shall be provided with a single row of ¼-inch perforations in a straight line 30 inches on center along the length of the pipe or an equivalent design that ensures uniform distribution. All joints and connections shall be solvent-cemented.
☒	☐	☐	**Distribution pipe laid in gravel meeting specs per IAC 567 Ch. 69 or per engineers design.**
☒	☐	☐	The outer ends of all pressure distribution lines shall be turned up, with a long 90-degree elbow or two 45-degree elbows to allow for cleaning. The outer ends will have a screw-on cap and cover. The cover shall be accessible from the ground surface without excavation.
☒	☐	☐	**The central pressure manifold should consist of 11/2 or 2-inch solid plastic pipe using a tee for connecting the distribution lines or an equivalent design that ensures uniform distribution.**
☒	☐	☐	The top of the gravel or eps shall be covered with synthetic drainage fabric. Unbacked, rolled 3.5-inch thick fiberglass insulation, untreated building paper, or other suitable material may be used with approval of the administrative authority. Plastic or treated building paper shall not be used.
☒	☐	☐	**After installation of the distribution system, the distribution system shall be pressure-tested before it is covered with gravel. The entire at-grade system is to be covered with topsoil native to the site or of similar characteristics to support vegetation found in the area. The entire at-grade system shall be crowned by providing 12**

inches of topsoil on the side slopes, with a minimum of 18 inches of topsoil over the center of the at-grade system. The entire at-grade system shall be seeded, sodded or otherwise provided with a grass cover to ensure stability of the installation.
☒☐☐ Area surrounding the at-grade system shall be graded to provide for diversion of surface runoff water
☒☐☐ Pump dosing shall be required for at-grade systems
☒☐☐ The dosing volume shall be three to ten times the distribution piping network volume, but not more than 25 percent of the design flow shall be applied to the soil in one dose. (per engineer specs)
☒☐☐ The dosing pump shall be capable of maintaining a squirt height of 3 feet above the pipe at the outer ends of the distribution lines. All lines shall have an equal squirt height above the pipe to maintain equal distribution.

Additional Comments:

This report indicates the condition of the installed private sewage system at the time of inspection & does not guarantee the future condition or proper function of the system. To the best of my knowledge, all listed local & state ordinances have been adhered to.

12-22-20 Krunz

Inspector Date

TT218 Not Paid

E.D.I.N. 42-1421732

GREASE TRAP Recyclable

The Grease Trap Cleaners

A Division of
WIEGERT DISPOSAL INC.
P.O. Box 344 1-800-728-4908
Martensdale, IA 50160

Customer's Order No. _____

Sold To Ben Bedwell Date 6-27-24

Address 1975 Wildrose Ave

CASH	CHARGE	C.O.D	SALESMAN	REC. ON ACCT.
	X			

QUAN.	DESCRIPTION	PRICE	AMOUNT
1	~~Grease Trap~~ Cleaning Septic		500 00
	In Good Working Order		
	At This Time Of Pumping		
	$2140		
	7-11-24		
	Thank You		

Net 15 Days

TAX	35	00
TOTAL	535	00

SIGNATURE _____