



HOWARD COUNTY HEALTH DEPARTMENT

66446

DATE 11/17/19

Received From

Foyles Septic

PHONE #

410-795-5020

For

Memor Keenan
11501 CT WOODHED

CASH

CHECK

NO.

00207

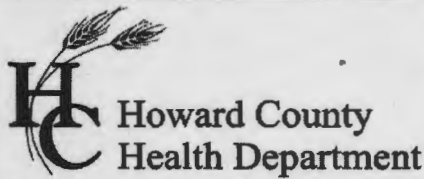
Fifty Five Dollars

\$

55.00

Received By

OK



Bureau of Environmental Health
 8930 Stanford Boulevard, Columbia, MD 21045
 Main: 410-313-2640 | Fax: 410-313-2648
 TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org
 Facebook: www.facebook.com/hocohealth

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 11/7/19 **ONSITE SEWAGE DISPOSAL SYSTEM** P 566446

APPROVAL DATE: 11/15/2019 **PERMIT: MINOR REPAIR** A Repair

PROPERTY ADDRESS: 11501 Crows Nest Road

SUBDIVISION: _____ LOT: 37 TAX ID: 05-341965

CONTRACTOR: Fogle's Septic Clean Inc. EMAIL: Kurt@foglesinc.com

CONTRACTOR ADDRESS: 580 Obrecht Road Sykesville, MD 21784 PHONE: 410-795-5670

PROPERTY OWNER: Gregory Hall EMAIL: _____

OWNER ADDRESS: Same as above PHONE: 443-878-6501

SEPTIC TANK SIZE: Existing PUMP TANK CAPACITY: n/a PUMP SIZE: n/a

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 4 APPLICATION RATE: _____

TRENCHES:	LINEAR FEET REQUIRED: <u>n/a</u>	INLET DEPTH: _____
	TRENCH WIDTH: _____	MAXIMUM BOTTOM DEPTH: _____
	MINIMUM SPACE BETWEEN TRENCHES: _____	EFFECTIVE AREA BEGINNING DEPTH: _____

LOCATION: **TO BE STAKED BY SANITARIAN DURING PRE-CONSTRUCTION INSPECTION.**

NOTES: **Contractor to replace distribution box and minor piping. Call for inspection**

ISSUED BY: K. Wolf ISSUE DATE: 11/7/2019 EXPIRATION DATE: 11/7/2020

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM
 ELECTRICAL PERMIT ISSUED E n/a
- NOTE: THE HCHD DOES NOT WARRANTY ANY SYSTEM AND CANNOT GUARANTEE THE PERFORMANCE OF THIS SYSTEM AS DESIGNED. BY ACCEPTING THIS PERMIT, THE OWNER AND/OR APPLICANT ACKNOWLEDGE THAT THE SPECIFICATIONS DETAILED IN THIS DESIGN ARE ONE POSSIBLE OPTION AND THAT THE HCHD WILL REVIEW OTHER PROPOSALS. YOU HAVE THE OPTION TO SEEK THE ADVICE OF A QUALIFIED DESIGN CONSULTANT OR PROFESSIONAL ENGINEER FOR FURTHER GUIDANCE.
- NOTE: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.
 CALL 410-313-1771 TO SCHEDULE INSPECTIONS.**

\$55

Water Repair



Bureau of Environmental Health
8930 Stanford Boulevard, Columbia, MD 21045
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TDD 410-313-2323 | Toll Free 1-866-313-6300
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Facebook: www.facebook.com/hchealth
Twitter: HowardCoHealthDep

Dr. Maura J. Rossman, M.D., Health Officer

INFORMATION FORM - SEPTIC SYSTEM REPAIR/UPGRADE

Reason for Request: [X] Existing System replace pipe & box
Has the septic tank been pumped within the last month? [] Yes Date pumped: [] No
System relocation for proposed addition [] No
System upgrade for proposed addition [] No
Inadequate treatment zone [] No
Collapsed septic tank [] No
Collapsed drywell [] No
Was a visual inspection of the septic tank and/or drain fields conducted? [] Yes Explain observations: [] No
Existing system design: [] Drywell [X] Trench [] Mound [] Unknown [] Other:
Bloodage leading to the tank [] Yes Explain: [] No
Bloodage leading to the field [] Yes Explain: [] No
Is discharge surfacing on the ground? [] Yes [X] No
Additional Comments:

*For REPAIRS, are the owners proposing, or do they plan to add in the future, any additions or modifications to the property, i.e. pools, living space additions, garages, etc? This information must be disclosed at the time of this application. The Health Department will not be able to accommodate requests in the field for property modifications unrelated to the repair request. Such requests may require an additional fee, testing, and submittal of a Percolation Certification Plan, if the property does not meet current Code and Regulation.

Septic Contractor: Fogle's Septic Clean Contractor's Phone: 410-795-5670
Contractor's Address: 580 Abrecht Rd Sykesville 21784
Property Address: 11501 Crowns Nest Rd County file:
Subdivision: Clarksville Ridge Lot: 37 Year Built: 1968
Owner's Name: Gregory Hall Owner's Phone: 443-878-6501
Name of previous owners: Existing bedrooms: 4
Proposed bedrooms:

Has this request been previously discussed with a Sanitarian? (Name):
Public Sewer available/nearby:

*A Sanitarian will be in contact within three business days, depending upon the urgency of the situation, to coordinate the scheduling/review of the repair or upgrade.

*Prior to scheduling inspections, scaled plans should be submitted to clarify the nature of the addition.
Print out a copy of Real Property Data via Dept. of Taxation website Indexed file found
If public sewer may be nearby, verify whether sewer is technically "available" through the Bureau of Engineering.
If sewer is available and the property is within the Metropolitan District, connection to sewer is required. If the owner believes reason for exemption exists, the owner should justify the request in writing.
If soil/site conditions are limited and sewer and/or Metro District status is not conducive to connection, the Sanitarian may recommend pursuit of Emergency Sewer Extension or Emergency Metro District Inclusion. The Owner should contact the Bureau of Utilities for details.
No permit is to be issued nor inspection to be scheduled without prior fee collection at the office unless an emergency situation exists. The contractor is to notify office of the emergency situation as soon as possible.

HOMELAND ENVIRONMENTAL

p:443-995-5385 | info@homelandhealthyhomes.com | www.homelandhealthyhomes.com

Date: October 26, 2019 Name of Evaluator: Matthew Riehl Time: 11:30 AM Property Address: 11501 Crows Nest Road Clarksville, MD 21029 Recent Weather Conditions: Normal		Ordered By: Well Water Solutions Buyers: Homeowner Interview: The homeowner interview was but not received prior to the evaluation.	Occupied: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Length of Time Vacant: N/A # of People Living in Home: Unknown # of People moving in: 8 Property Age: 1960 System Age: 1969 & 2001 Last Date of Cleaning: Unknown Recomm'd Pumping Freq: Annually
Liquid level in tank is: <input type="checkbox"/> Above Normal <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Below Normal		Bottom Solids Depth: 14"	
Depth of tank: 21" Front & 16" Back		Type of Tank Access: 6" Cleanout	
Maintenance appears: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Fair <input type="checkbox"/> Poor		Depth of tank access: At grade	
Effluent Filter present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Distance to well: -100	
Previous high liquid level: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Records Search: Records were requested from Howard County and were received prior to the evaluation.			
Were there any impermeable surfaces above the septic system (i.e. driveway)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Type of Tank		Tank Composition and Size	
<input checked="" type="checkbox"/> Septic Tank (1 tank)		<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Plastic	
<input type="checkbox"/> Aeration System		Tank Size: 1,500 gallons	
<input type="checkbox"/> Other:		Type of Absorption System	
		<input checked="" type="checkbox"/> Leaching Field <input type="checkbox"/> Raised Mound	
		<input type="checkbox"/> Drywell (Number of:) <input type="checkbox"/> Cesspool	
		<input type="checkbox"/> Unknown:	
System Component		Condition	
Septic Tank		<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable <input type="checkbox"/> Needs Further Evaluation	
		The septic tank is composed of concrete and is 1,500 gallons in capacity. Both front and back baffles are in place and composed of PVC. A 6" cleanout at grade serves as access and the septic tank is 21" below grade on the front end and 16" below grade on the back end. There are 14" of solids currently in the tank, indicating the tank is due to be cleaned in about a year. It should be cleaned annually thereafter. Refer to video and camera report for additional information.	
Absorption System		<input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Unacceptable <input type="checkbox"/> Needs Further Evaluation	
		The distribution box is 16" below grade and was excavated. A large hole was found in the distribution box, indicating the box is not water-tight. This will need to be remediated by a licensed contractor. There are 2 drainfields to this system. During the inspection an attempt to introduce a hose directly into the drainfields, to perform the hydraulic load test, resulted in drainfield A immediately backing up. Drainfield B received approximately 200 gallons of water with no sign of back. An obstruction was encountered in both drainfield lines; the drainfield lines will need to be remediated, which may include excavation. Refer to video and camera report for additional information. Due to the age of the system, buyers should budget for future repairs.	

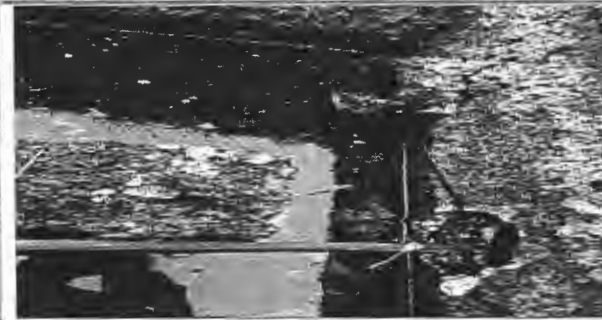
HOME LAND ENVIRONMENTAL

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Picture 1:

In the picture each part of the septic system is seen. The red arrow points to the 6" cleanout at grade. The orange arrow points at the back end of the tank.



Picture 2:

The hole in the distribution box with a probe inserted.



Picture 3:

Drainfield A with water flowing back out of the pipe within a minute of inserting the hose.



Picture 4:

Drainfield B accepted the water introduced directly into the line.

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Sketch of System

Refer to Scale drawing

DISCLAIMERS

- This is a subjective and visual inspection only, the conclusions of which are based on the observed condition of the system components that could reasonably be accessed, and information known about the system at the time this report was completed. There may be unknown historical problems or unseen conditions which may compromise the conclusions stated in this report.
- Suggestions or recommendations for repairs or remediation may result in the need for further repair or remediation once the system components are fully excavated.
- A 'Satisfactory' evaluation does not mean the system will meet the local approving authority's criteria for determining compliance with state code: COMAR 26.04.02.02 D(4).
- The evaluation of the Sewage Disposal System as reported is based on the conditions observed on the day of the inspection.
- This report is neither a WARRANTY nor does it GUARANTEE continued acceptable functionality or performance of the Sewage Disposal Systems operations.
- If the house has been unoccupied the findings in this report may not be accurate, as limited or no use of the system may conceal or mask problems that may be revealed under typical sewage loading.
- If the general ground condition is excessively wet at the time of inspection, the findings in this report may not be accurate, as ground moisture may cover or hide septic effluent that may be on or near the ground surface.
- If the house is vacant or the conditions excessively wet during inspection, it is recommended that the system be reevaluated at a later date and/or alternate techniques be used to address those potential issues.
- Payment and/or use of this evaluation signify understanding and acceptances of the above clauses, as well as any noted faults with the system.

Representative's Signature:	<i>Matthew Kiehl</i>	Date: 10/26/2019
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HOME LAND ENVIRONMENTAL

Location	Inspector
11501 Crows Nest Road ClarksvilleMD21029	Matthew Riehl



Saturday, October 26, 2019

A Camera inspection was performed for the purpose of a real estate transaction. The camera was introduced into the system via the 6" cleanout on the front end of the septic tank. No issues were observed in the front line.

The back end of the tank was excavated, and the camera was introduced into the back line. The back line appears to be unlevel and has standing water in the line. The distribution box was excavated and opened. Upon inspection a large hole was found in the distribution box that prevents water from reaching the drainfields. There are 2 drainfields to this system. The camera was introduced into drainfield A and was advanced until an obstruction was hit. This obstruction prevented further access to the drainfield and will need to be remediated as it caused a back up during the hydraulic load test. The camera was introduced into drainfield B and advanced forward. An obstruction was also hit in drainfield B. It appears the line has either been compressed or crushed; Water is still flowing through however the camera is unable to be advanced any further. Refer to video and pictures for more information. This is a subjective and visual inspection only, based upon many unknown and unseen factors. This report does not WARRANT nor Guarantee continued functional septic system operations. Payment and/or use of this evaluation signify understanding and acceptances of the above clauses.

PIPE Composition: PVC pipe- May be installed if property is newer than 1982 and can last over 100 years. PVC is impervious to root penetration however, a crack or a joint that is not properly sealed can allow root intrusion. Generally white or green in color.

Explanations: Belly- bellies are dips in a sewer line where liquid can pool and or debris can collect. Bellies can become issues if they become large enough to catch debris not allowing liquid to pass through the sewer line. A

minor belly is noted as 1/2 - 1 inches. Major belly over 1 inch. Standing water- Standing water in a sewer pipe can suggest that the sewer line is not pitched properly and is now level. All sewer lines should be pitched to allow liquid and waste to drain to the sewer main. A leveled pipe can cause water to collect in line making it drain improperly. Crack/Separation- Cracks and separations can indicate structural integrity concerns. Cracks and separations can allow ground water and debris into a sewer line and/or allow sewage to escape the sewer line. Depending on severity can cause clogging points in sewer line. Concaved/Crushed- Concaved and Crushed pipes are likely caused when a vehicle runs over the line. May also be caused by heavy weight falling above the line, e.g. tree falling. The restriction that is caused to the plumbing is a potential clogging point for solid waste, even though liquid can pass. Slight concaved or crushed pipe can worsen overtime if the cause is not addressed. Back-up- Back-ups occur when something is obstructing the sewer line not allowing anything to pass through the line. Sewer line will completely full of liquid.

10/26/2019 12:56:19 PM

0' 0"

Beginning of the video and identifying the property.



10/26/2019 12:56:28 PM

0' 0"

The 6" cleanout on the front end of the septic tank.



10/26/2019 1:00:46 PM

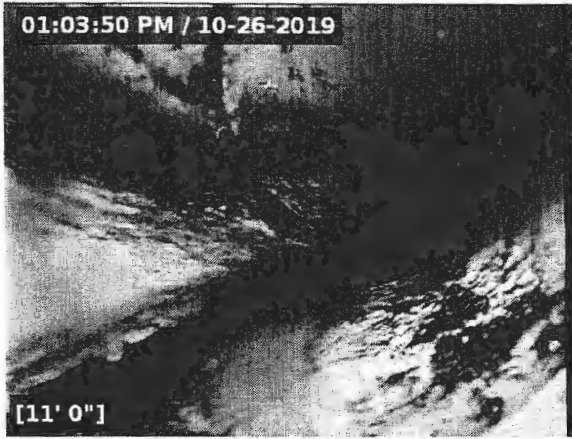
0' 0"

The camera is introduced into the front line and zeroed.

10/26/2019 1:03:51 PM

11' 0"

The camera has reached the house.



10/26/2019 1:06:40 PM

-5' -3"

The back end of the septic tank was excavated.



10/26/2019 1:07:14 PM

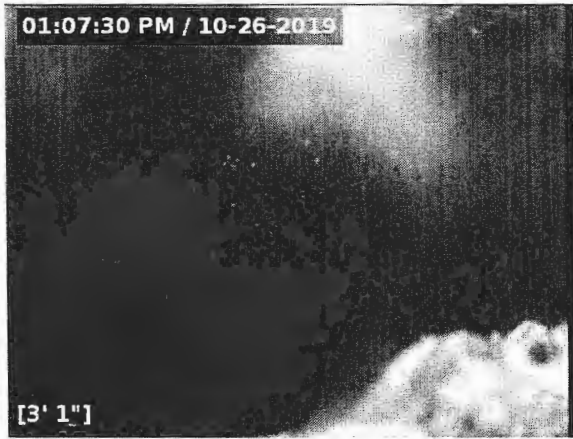
0' 0"

The camera is introduced into the back line and is submerged in water. The back line appears unlevel.

10/26/2019 1:07:30 PM

3' 1"

The distribution box is reached.



10/26/2019 1:09:02 PM

-1' -3"

The distribution box is excavated. Drainfield A is to the bottom right and Drainfield B is to the bottom left.



10/26/2019 1:09:16 PM

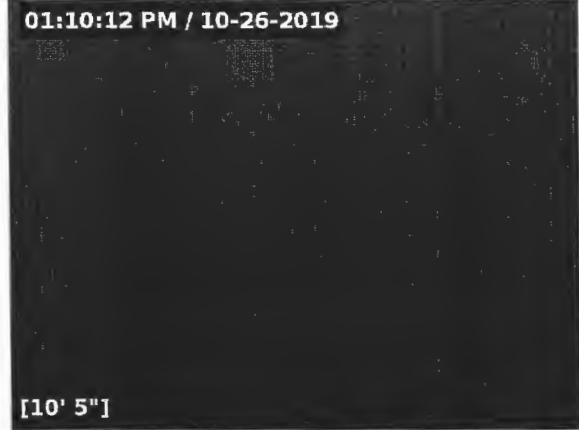
0' 0"

The camera is introduced into drainfield A and zeroed.

10/26/2019 1:10:13 PM

10' 6"

The camera is advanced forward until an obstruction prevents further advancement.



10/26/2019 1:16:45 PM

11' 3"

The pipe is observed to be cracked and debris has blocked the drainfield.



10/26/2019 1:17:08 PM

11' 3"

Another photo of the damaged pipe.

10/26/2019 1:21:25 PM

0' 0"

The camera is introduced into drainfield B and zeroed. There is an immediate left turn in the pipe.



10/26/2019 1:21:43 PM

5' 2"

Water was found to filling drainfield B as well but it did not back-up.



10/26/2019 1:23:18 PM

6' 6"

The camera was advanced forward until it was prevented from moving forward due to an obstruction. It appears that the line may be compressed or partial damaged causing the camera to be unable to advance further. When the camera was removed from the pipe it was covered in mud.

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p: 443-995-5385 ; info@homelandhealthyhomes.com ; www.homelandseptic.com

Front of the House

ADDRESS:

11501 Crows Nest Road
Clarksville, MD 21029

All measurements are approximate distances.

ST=Septic Tank; DB=Distribution Box; DF=Drainfield; DW=Drywell
FL=Front Line; BL=Back Line; BG=Below Grade; ' = Feet; " = Inches

SCALE: 1:20

