

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

RECEIPT DATE: 3/29/21

ONSITE SEWAGE DISPOSAL SYSTEM

P 568813

APPROVAL DATE: 4/20/21 **PERMIT:**

MINOR REPAIR

A

PROPERTY ADDRESS: 15913 Willis Way

SUBDIVISION: Waterford Farms

LOT: 28

TAX ID: _____

CONTRACTOR: Fogles Septic Clean Inc

EMAIL: kim@foglesinc.com

CONTRACTOR ADDRESS: 580 Obrecht Road, Sykesville, MD 21784

PHONE: 410-795-5670

PROPERTY OWNER: Benito and Martha Prats

EMAIL: _____

OWNER ADDRESS: 15913 Willis Way, Woodbine, MD 21797

PHONE: 240-449-9752

SEPTIC TANK SIZE (GALLONS): _____

PUMP CHAMBER CAPACITY (GALLONS): _____

PUMP SIZE: _____

NUMBER OF BEDROOMS: _____

HOUSE SQ. FT. _____

APPLICATION RATE: _____

DISTRIBUTION SYSTEM: GRAVITY FED ☐

LOW PRESSURE DOSED ☐

TRENCHES:	LINEAR FEET REQUIRED: _____	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:	See Upgrade/Repair form submitted by Fogles	

ISSUED BY: _____

ISSUE DATE: _____

EXPIRATION DATE: _____

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 DOWNGRADE 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.

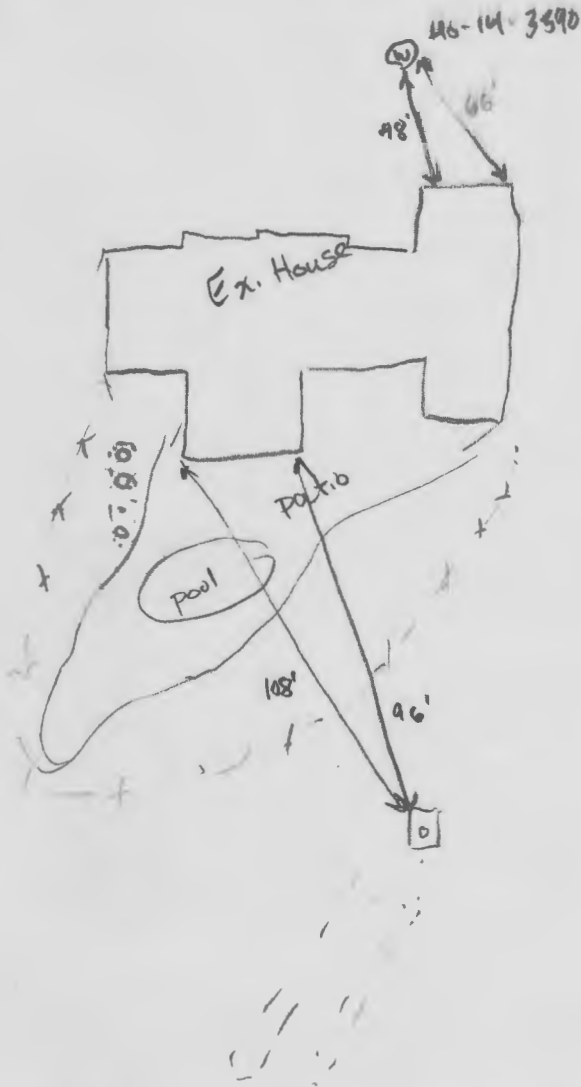
NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

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.

NOT TO SCALE



ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH INLET BOTTOM

NUMBER OF TRENCHES _____
TOTAL LENGTH _____
ABSORPTION AREA _____
DISTRIBUTION BOX LEVEL _____
DISTRIBUTION BOX BAFFLE _____
DISTRIBUTION BOX PORT _____

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL _____
MANUFACTURER _____
CAPACITY _____ GAL
SEAM LOC _____
TANK LID DEPTH _____
BAFFLES _____
BAFFLE FILTER _____
MANHOLE LOC _____
6" PORT LOC _____
WATERTIGHT TEST _____
SLOTTED _____
DATE ON LID _____

PUMP/SEPTIC TANK LEVEL _____

MANUFACTURER _____
CAPACITY _____ GAL
SEAM LOC _____
TANK LID DEPTH _____
BAFFLES _____
BAFFLE FILTER _____
MANHOLE LOC _____
6" PORT LOC _____
WATERTIGHT TEST _____
SLOTTED _____
DATE ON LID _____

PRE-CONSTRUCTION:

INSTALLATION: 4/20/21 Contractor uncovered d-box and found it to be clear. Also uncovered the beginning of the first and second trench and found clear stone. Added pipe on top of perforated section that had been crushed in first trench, about 8' in. Observed pump tank, saw two floats. Alarm box is in riser. (SD)

FINAL INSPECTOR

Susan Thomas

DATE OF APPROVAL

4/20/21

HOME LAND

ENVIRONMENTAL

Location
15913 Willis Way
Woodbine MD 21797



Wednesday, March 17, 2021

Camera inspection was performed for the purpose of a real estate transaction. The camera was introduced into the front of the system via the manhole riser over the frontline at the septic tank and ran to the house. The camera was introduced into the back of the system via manhole riser over the backline at the septic tank and ran to the pump chamber. Refer to the Septic evaluation and video for additional 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.

Inspected by: Jason Jamison

Camera Septic Inspection

Point of Access: Manhole risers, Distance to well: ~120 feet. Occupied: Yes. # of people: 5. #of people of moving in: 3 .Year built: 2005

***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.

***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.



3/17/2021 7:49:18 AM
Start of video. 15913 Willis Way.

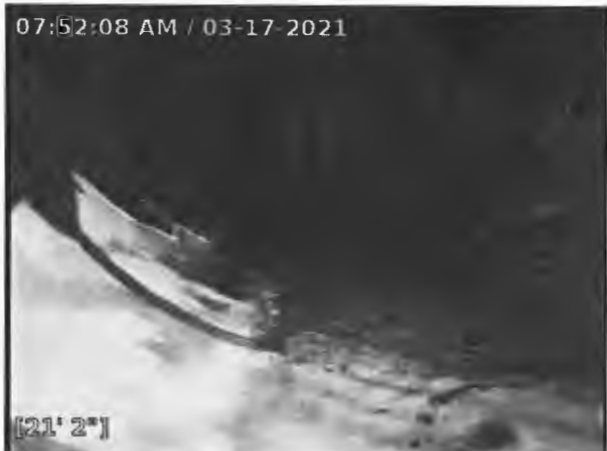
4 ft



07:50:10 AM / 03-17-2021

3/17/2021 7:50:11 AM
Start of PVC frontline from septic tank to house.

0 ft



07:52:08 AM / 03-17-2021

3/17/2021 7:52:09 AM
Cleanout over frontline located outside of house.

21 ft



07:52:16 AM / 03-17-2021

3/17/2021 7:52:17 AM
Right bend in frontline.

22 ft

07:52:26 AM / 03-17-2021

3/17/2021 7:52:26 AM

24 ft

Left bend in frontline.

[24' 4"]

07:52:36 AM / 03-17-2021

3/17/2021 7:52:37 AM

28 ft

End of frontline inside of house.

[27' 7"]

08:00:05 AM / 03-17-2021

3/17/2021 8:00:05 AM

0 ft

Start of PVC backline from septic tank to pump chamber.

[0"]

08:00:15 AM / 03-17-2021

3/17/2021 8:00:15 AM

2 ft

End of backline at pump chamber.

[1' 7"]



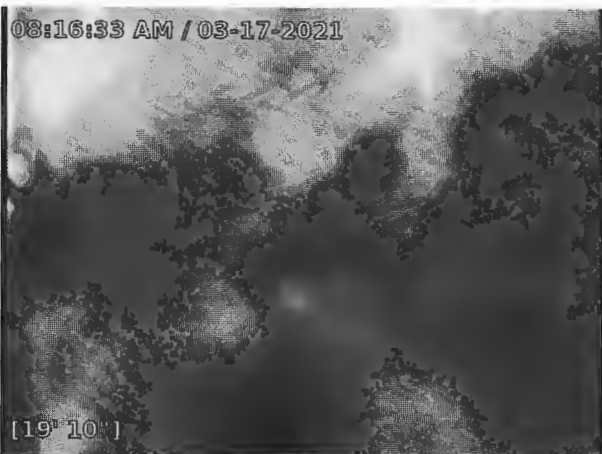
3/17/2021 8:16:07 AM
Start of PVC drainfield A from distribution box.

0 ft



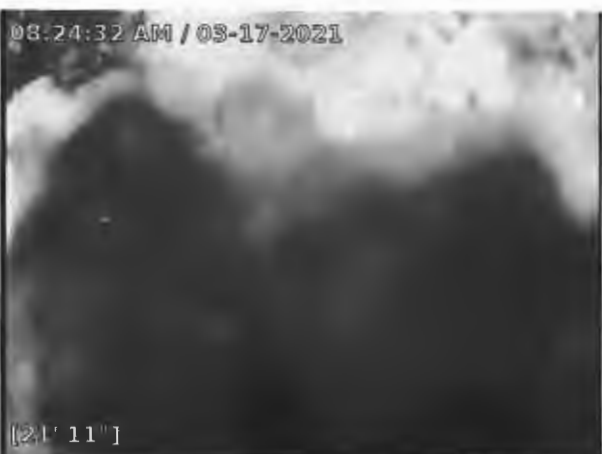
3/17/2021 8:16:19 AM
Crushed portion of drainfield A.

10 ft



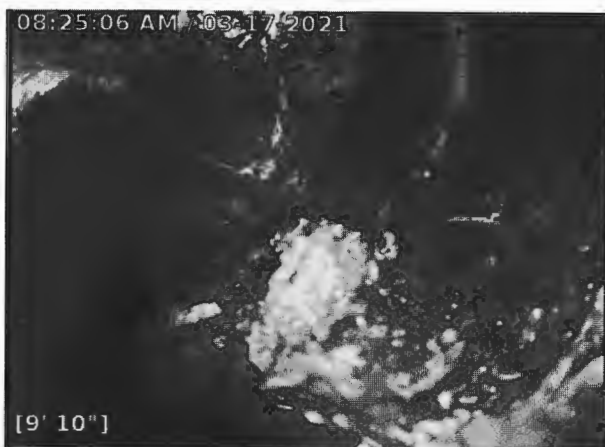
3/17/2021 8:16:34 AM
Sediment intrusion in drainfield A.

20 ft



3/17/2021 8:24:33 AM
Crushed portion of drainfield A. Unable to advance camera beyond this point.

22 ft



3/17/2021 8:25:07 AM

Another view of crushed portion of drainfield A. As viewed while pulling camera back.

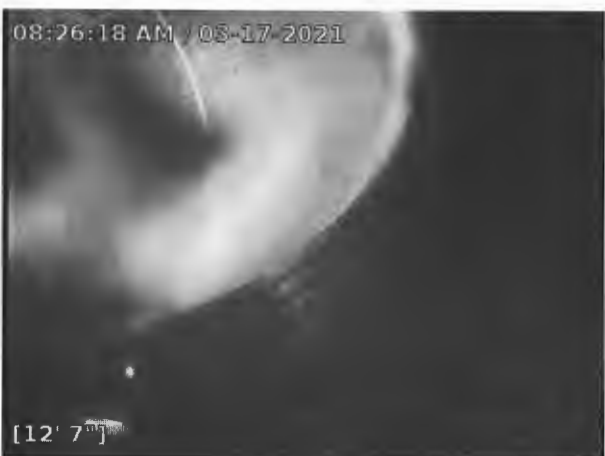
10 ft



3/17/2021 8:26:04 AM

Start of PVC drainfield B from distribution box.

0 ft



3/17/2021 8:26:18 AM

Left bend in drainfield B.

13 ft



3/17/2021 8:26:35 AM

Crushed portion of drainfield B.

27 ft

08:26:58 AM / 03-17-2021

3/17/2021 8:26:58 AM

48 ft

Crushed portion of drainfield B. Unable to advance camera beyond this point.

[47' 8"]

08:29:37 AM / 03-17-2021

3/17/2021 8:29:37 AM

36 ft

Crushed portion of drainfield B as viewed while pulling camera back.

[35' 6"]

08:29:59 AM / 03-17-2021

3/17/2021 8:29:59 AM

27 ft

Crushed portion of drainfield B. As viewed while pulling camera back.

[27' 4"]

08:30:27 AM / 03-17-2021

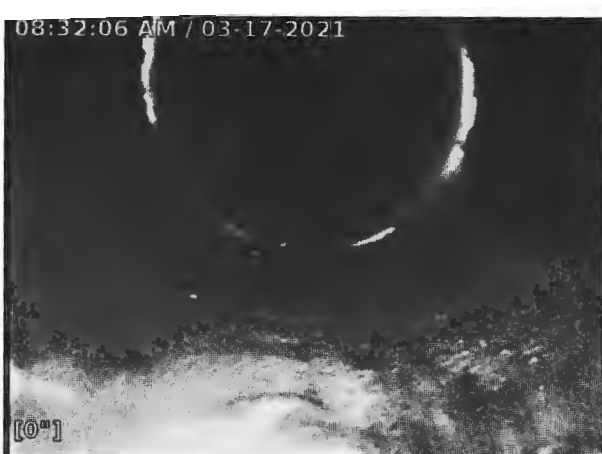
3/17/2021 8:30:27 AM

13 ft

Crack in bend of drainfield B. As viewed while pulling camera back.

[13' 0"]

08:32:06 AM / 03-17-2021

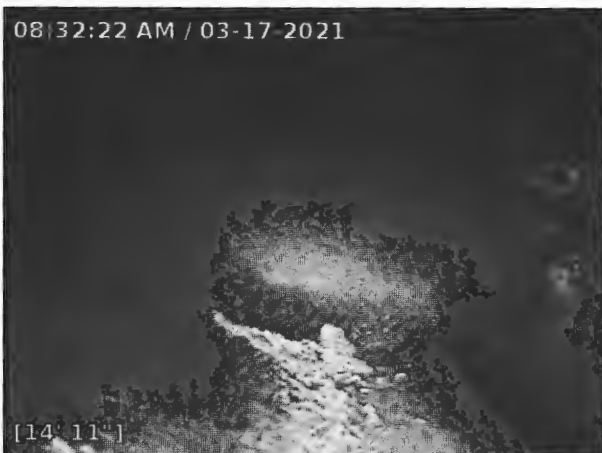


3/17/2021 8:32:06 AM

Start of PVC drainfield C from distribution box.

0 ft

08:32:22 AM / 03-17-2021



3/17/2021 8:32:23 AM

Crushed portion of drainfield C with standing liquid present.

15 ft

08:32:34 AM / 03-17-2021



3/17/2021 8:32:35 AM

Crushed portion of drainfield C. Unable to advance camera beyond this point.

18 ft

HOME LAND

ENVIRONMENTAL

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

Date: March 17, 2021 Name of Evaluator: Jason Jamison Time: 8:00 AM Property Address: 15913 Willis Way Woodbine, MD 21797 Recent Weather Conditions: Normal		Ordered By: Kelly Zhou Buyers: Unknown Homeowner Interview: The homeowner interview was 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: 5 # of People moving in: 3 Property Age: 2005 System Age: 2005 Last Date of Cleaning: 2/2020 Recomm'd Pumping Freq: 2-3 years	
Liquid level in tank is: <input checked="" type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input type="checkbox"/> Below Normal		Bottom Solids Depth: F 10" / B 12"			
Depth of tank: 39 inches		Type of Tank Access: (2) Manhole risers		Depth of tank access: At grade	
Maintenance appears: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Fair <input type="checkbox"/> Poor		Depth to Distribution Box: 12 inches			
Effluent Filter present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Previous high liquid level: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Distance to well: -120 Feet	
Records Search: Records were received from Howard County prior to the evaluation.					
Were there any impermeable surfaces above the septic system (i.e. driveway)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Stone patio over pump line					
Type of Tank <input checked="" type="checkbox"/> Septic Tank (2 Chamber) <input type="checkbox"/> Aeration System <input type="checkbox"/> Other:		Tank Composition and Size <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Plastic Tank Size: 1,500 Gallons		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		Comments	
Septic Tank		<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable <input type="checkbox"/> Needs Further Evaluation		A camera was used during this inspection (See camera inspection). The two chambered septic tank is composed of concrete and is 1,500 gallons in capacity. Access is two manhole risers at grade; the septic tank is 39 inches below grade. Upon arrival the liquid level of the tank was above the normal operating level (See Page 2; Picture 1). Upon removing the effluent filter the liquid level of the tank dropped to the normal operating level. The effluent filter was clogged with debris, preventing the passage of effluent to the pump chamber. The front, center, and back baffles are in place and composed of PVC, PVC, and an effluent filter, respectively. The effluent filter was cleaned during this inspection. The effluent filter should be cleaned every 6 months hereafter. There are 10 inches of solids in the front chamber and 12 inches of solids in the back chamber of the tank indicating fair maintenance. The septic tank should be pumped in 6 months, then every 2-3 years thereafter.	
Pump Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Unacceptable		The pump chamber is composed of concrete and is ~1,000 gallons in capacity. Access is a 6 inch cleanout and manhole riser at grade. The pump cycled normally and was found to be functioning properly. The high water alarm panel could not be located. The high water alarm float was manually cycled in the pump chamber with no alarm heard during this time indicating that the alarm is not functioning properly or is set to silent. The location of the high water alarm panel needs to be verified to determine if remediations are needed. There appears to be a stone patio associated with the pool area over the pressurized pipe connecting the pump chamber to the distribution box (See Page 3; Picture 4). The stone patio would most likely need to be removed to facilitate any remediations to the pressurized pipe.	
Absorption System		<input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Unacceptable <input type="checkbox"/> Needs Further Evaluation		The distribution box was excavated and found to be 12 inches below grade. County records indicate three drainfields. Three drainfields were located during the inspection. All three drainfields have crushed portions of pipe which is preventing the full usage of the absorption system as designed (See camera inspection). The drainfields need to be remediated by a licensed septic contractor to allow for full functionality of the absorption system. All three drainfields were probed and found to be dry to a depth of at least 24 inches from the top of stone. Approximately 300 gallons of water were introduced into the system with no signs of a backup.	

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HOME LAND

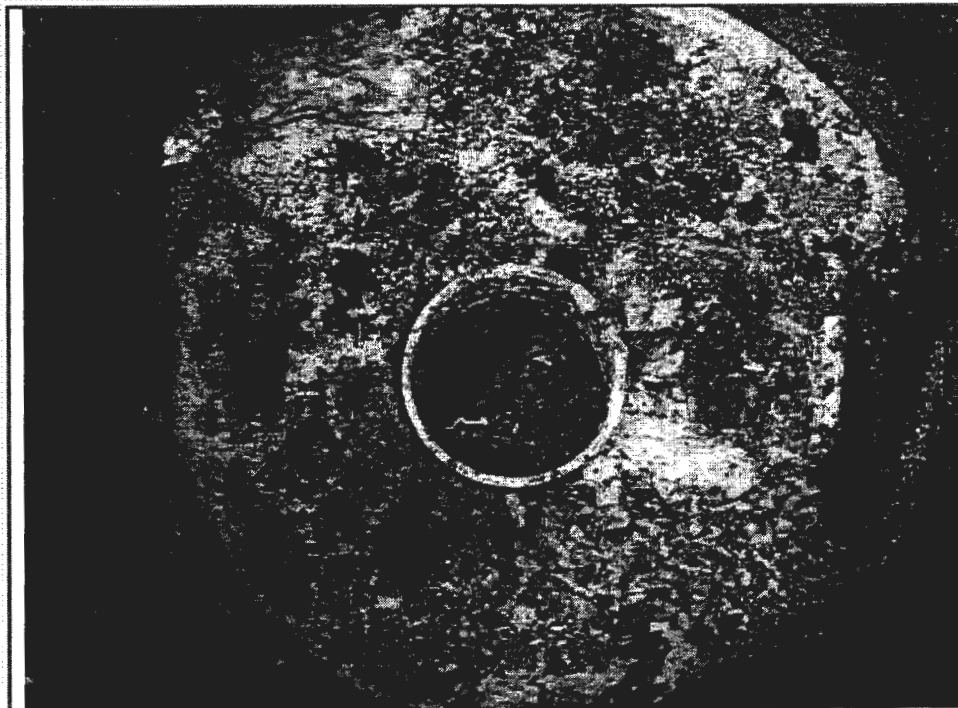
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Picture 1:

Picture shows the above normal liquid level of the tank upon arrival. The back baffle is completely submerged.



Picture 2:

Picture shows solids on top of the manhole cover of the front chamber of the tank which is evidence of previous backups.

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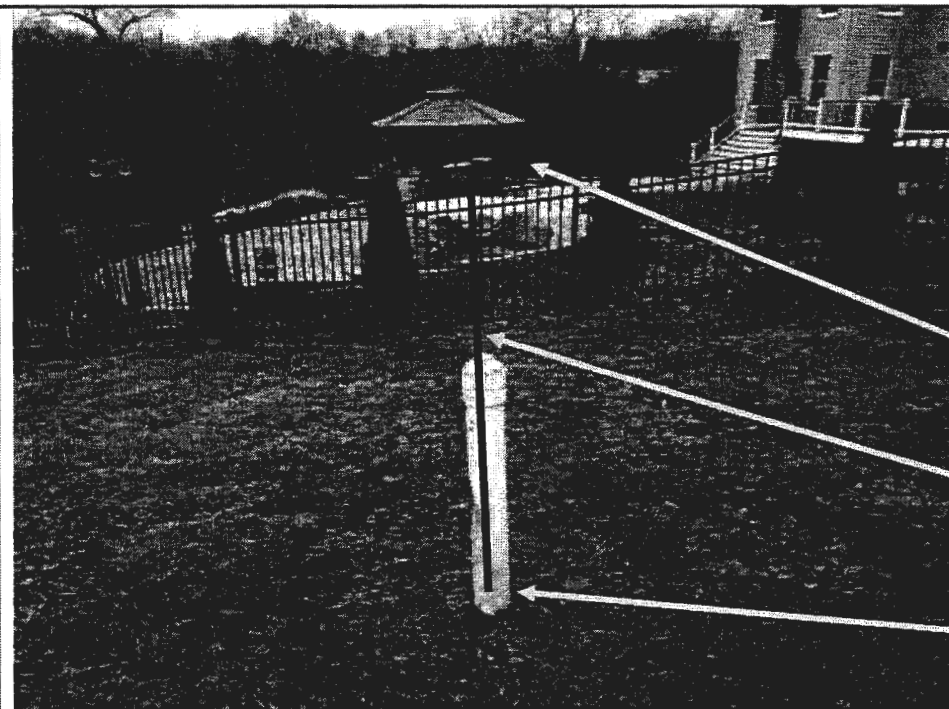
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Picture 3:

Picture shows the location of the septic tank and pump chamber in relation to the house.



Picture 4:

Picture shows the perceived location of the pressurized pipe in relation to the distribution box and patio.

Pump chamber

Pressurized pipe

Distribution box

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Sketch of System

See county records for layout and approximate distances of the septic system

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:



Date: 3/17/2021

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