

**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](http://www.hchealth.org)  
 Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)

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

RECEIPT DATE: 2/26/21 **ONSITE SEWAGE DISPOSAL SYSTEM** P 568774

APPROVAL DATE: 03/10/2021 **PERMIT: REPAIR** A \_\_\_\_\_

PROPERTY ADDRESS: 17740 Hardy Road

SUBDIVISION: \_\_\_\_\_ LOT: \_\_\_\_\_ TAX ID: \_\_\_\_\_

CONTRACTOR: Legacy Septic and Excavation EMAIL: \_\_\_\_\_

CONTRACTOR ADDRESS: 1538 Manchester Road, Westminster, MD 21157 PHONE: 301-370-4121

PROPERTY OWNER: Wayne Hough EMAIL: \_\_\_\_\_

OWNER ADDRESS: 17740 Hardy Road, Mount Airy, MD 21771 PHONE: 561-848-9112

SEPTIC TANK SIZE (GALLONS): 1500 PUMP CHAMBER CAPACITY (GALLONS): \_\_\_\_\_ PUMP SIZE: \_\_\_\_\_

NUMBER OF BEDROOMS: 3 HOUSE SQ. FT. \_\_\_\_\_ APPLICATION RATE: UNK

DISTRIBUTION SYSTEM: GRAVITY FED  LOW PRESSURE DOSED

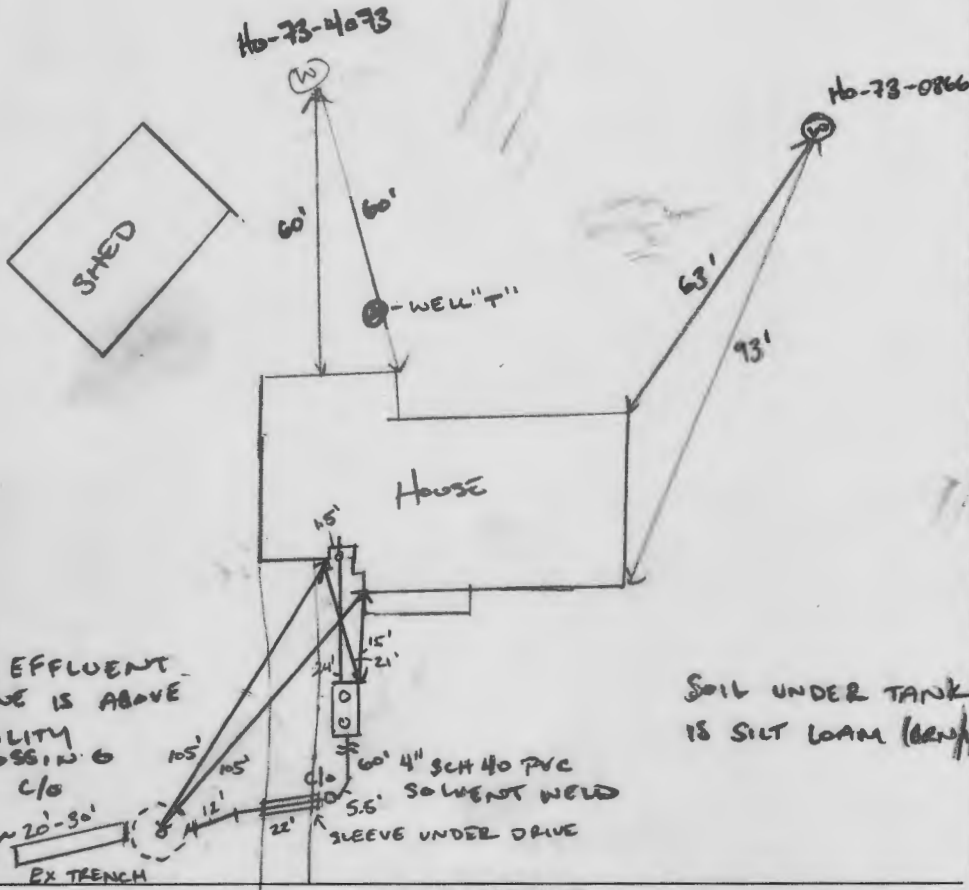
TRENCHES:	LINEAR FEET REQUIRED: _____	INLET DEPTH: _____
	TRENCH WIDTH: _____	MAXIMUM BOTTOM DEPTH: _____
	MINIMUM SPACE BETWEEN TRENCHES: _____	EFFECTIVE AREA BEGINNING DEPTH: _____
LOCATION:	TO BE STAKED BY SANITARIAN DURING PRE-CONSTRUCTION INSPECTION.	
NOTES:	REPLACE FRONT LINE, TANK, BACK LINE TO LINE	

ISSUED BY: CABAHUG 001997 ISSUE DATE: 03/10/2021 EXPIRATION DATE: 03/10/2022

- 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 DOWNGRAIENT 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  
HARDY ROAD

EXISTING	TRENCH/DRAINFIELD DATA		
	WIDTH	INLET	BOTTOM
	2'	~4.5-5'	
	NUMBER OF TRENCHES 1		
	TOTAL LENGTH UNKNOWN ~20-30' (?)		
	ABSORPTION AREA + EX DRY		
	DISTRIBUTION BOX LEVEL WELL		
	DISTRIBUTION BOX BAFFLE -		
	DISTRIBUTION BOX PORT -		

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	
MANUFACTURER	BARNUM
CAPACITY	1500 GAL
SEAM LOC	TOP?
TANK LID DEPTH	1'
BAFFLES	YES
BAFFLE FILTER	NO
MANHOLE LOC	FRONT/BACK
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	YES
DATE ON LID	12/18/2020
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:

03/09/2021 EX TANK WAS BECKEN AND REMOVED FROM LOCATION.

EX DW - DRY ~8' DEEP AND COMPLETELY DRY. S.S. TO GRADE

TRENCH - ~20-30' OFF DW \* LENGTH ESTIMATED BY SNAKE. STONE IS CLEAN. ORANGE BERG PIPE INTACT APPEARS UNUSED.

INSTALLATION:

03/09/2021 REPLACED FRONT LINE W/ SCH 40 PVC AND ADDED CLEANOUT.

TANK SET. (PM) EFFLUENT LINE INSTALLED; 6" SLEEVE UNDER DRIVE

FINAL INSPECTOR

DATE OF APPROVAL 03/10/2021

# Howard County Health Department

Bureau of Environmental Health, Columbia, MD 21045 - 410-313-1771

SEWAGE DISPOSAL PERMIT NO. A- \_\_\_\_\_ P- 98774

RESIDENTIAL PERMIT   
(NUMBER OF BEDROOMS: \_\_\_\_\_)

COMMERCIAL PERMIT   
(DESIGN FLOW: \_\_\_\_\_ GPD)

PERMITEE: Legacy Septic  
LOCATION: 17740 Hardy Road

**\*\*POST THIS CARD WHERE IT CAN BE SEEN FROM ROAD\*\***

STOP ALL CONSTRUCTION ON SEWAGE DISPOSAL SYSTEM AND CONTACT HEALTH DEPARTMENT BEFORE CONTINUING

\_\_\_\_\_  
Inspector Date

WORK IS SATISFACTORY, OK TO CONTINUE

\_\_\_\_\_  
Inspector Date

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

FINAL INSPECTION MADE, OK TO COVER ALL WORK

\_\_\_\_\_  
Inspector Date

# HOME LAND

## ENVIRONMENTAL

p:443-995-5385 | [info@homelandhealthyhomes.com](mailto:info@homelandhealthyhomes.com) | [www.homelandhealthyhomes.com](http://www.homelandhealthyhomes.com)

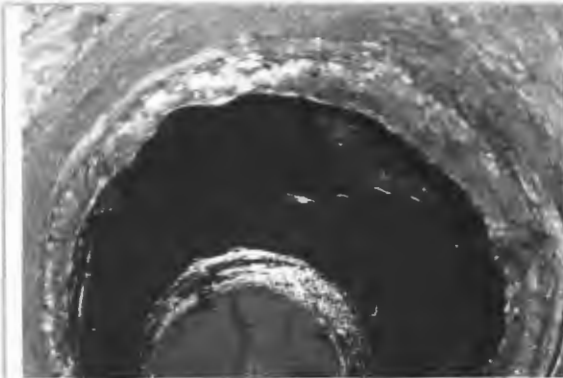
<b>Date:</b> February 8, 2021 <b>Name of Evaluator:</b> David Vincent <b>Time:</b> 9:00 AM <b>Property Address:</b> 17740 Hardy Road Mount Airy, MD 21771 <b>Recent Weather Conditions:</b> Snow		<b>Ordered By:</b> Charlie VanSwol  <b>Buyers:</b> William Van Cleave  <b>Homeowner Interview:</b> The homeowner interview was requested but was not received prior to the evaluation.		<b>Occupied:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Length of Time Vacant:</b> ~6 Months <b># of People Living in Home:</b> N/A <b># of People moving in:</b> 4 <b>Property Age:</b> 1975 <b>System Age:</b> Unknown <b>Last Date of Cleaning:</b> Unknown <b>Recomm'd Pumping Freq:</b> 2-3 Years	
<b>Liquid level in tank is:</b> <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Below Normal		<b>Bottom Solids Depth:</b> 13 Inches			
<b>Depth of tank:</b> 17 Inches		<b>Type of Tank Access:</b> 6" Cleanouts (2)		<b>Depth of tank access:</b> At Grade	
<b>Maintenance appears:</b> <input type="checkbox"/> Good <input checked="" type="checkbox"/> Fair <input type="checkbox"/> Poor		<b>Depth to Distribution Box:</b> N/A			
<b>Effluent Filter present:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>Previous high liquid level:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>Distance to well:</b> ~90 Feet	
<b>Records Search:</b> Records were requested but were not received from Howard county prior to the evaluation.					
<b>Were there any impermeable surfaces above the septic system (i.e. driveway)?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>Driveway &amp; Walkway</b>					
Type of Tank		Tank Composition and Size		Type of Absorption System	
<input checked="" type="checkbox"/> Septic Tank (1 tank)		<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Unknown		<input type="checkbox"/> Leaching Field <input type="checkbox"/> Raised Mound	
<input type="checkbox"/> Aeration System				<input checked="" type="checkbox"/> Drywell (Number of: 1) <input type="checkbox"/> Cesspool	
<input type="checkbox"/> Other:		<b>Tank Size:</b> 1,000 Gallons		<input type="checkbox"/> Unknown	
System Component	Condition	Comments			
<b>Septic Tank</b>	<input type="checkbox"/> Acceptable	The septic tank is composed of concrete and has a capacity of approximately 1,000 gallons. Access consists of a 6" cast iron cleanout to grade over the front end of the tank and a 6" PVC cleanout to grade over the back end of the tank. The back baffle is currently in place and is composed of concrete. There are currently 13" of solids in the tank. The liquid level in the tank was observed to be below the normal operating level upon arrival for the initial inspection on 2/4. The liquid level was returned to normal operating level. The liquid level was checked again and was found to have receded approximately 4" below the invert of the outlet on 2/8. This indicates that the septic tank is leaking; the tank will need to be replaced by a licensed contractor once the proper permits have been pulled. There is a significant dip in the front line; the front line will need to be remediated by a licensed contractor, which may include replacement. The front walkway was observed to be located above the front line; portions of the walkway may need to be removed for repairs. Please see page 2 and the camera inspection report for more information.			
	<input checked="" type="checkbox"/> Unacceptable				
	<input type="checkbox"/> Needs Further Evaluation				
<b>Absorption System</b>	<input checked="" type="checkbox"/> Acceptable	The absorption system is acceptable, with concern. One drywell was located during the evaluation; access consists of a 6" cleanout to grade. The drywell appears to have an unusually shallow depth, which may shorten the life expectancy of the system. The drywell was measured to have approximately 3' of total liquid depth with approximately 2.5' of liquid depth remaining. Approximately 300 gallons of water were introduced into the system, and were observed entering the drywell, with no signs of a backup. The county health department should evaluate the drywell at the time the septic tank is replaced. The driveway was observed to be located above the back line; portions of the driveway may need to be removed in the event of future repairs. Due to the age of the system, buyers should budget for future repairs.			
	<input type="checkbox"/> Unacceptable				
	<input type="checkbox"/> Needs Further Evaluation				

COPY

# HOME LAND

## ENVIRONMENTAL

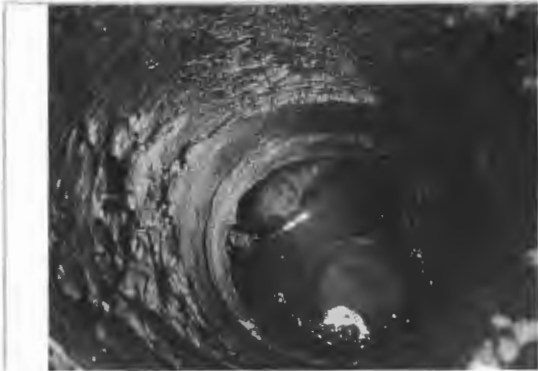
p:443-995-5385 | f:443-267-0098 | [info@homelandhealthyhomes.com](mailto:info@homelandhealthyhomes.com) | [www.homelandhealthyhomes.com](http://www.homelandhealthyhomes.com)



**Picture 1:**

The liquid level in the tank was observed to be below the normal operating level upon arrival. This photo was taken after approximately 150 gallons of water were introduced into the tank to bring the liquid level up to the normal operating level. The liquid level will need to be checked again after at least 24 hours to verify that the tank is watertight and not leaking.

This picture was taken during the initial inspection on 2/4.



**Picture 2:**

The liquid level in the tank was checked again on 2/8 and was found to have receded approximately 4" below the invert of the outlet line. This indicates that the septic tank is leaking, and will need to be replaced by a licensed contractor.

No Picture.

**Picture 3:**

This space was intentionally left blank.

# HOME LAND

## ENVIRONMENTAL

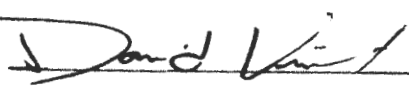
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### Sketch of System

Please see Sketch Document

#### 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.

<b>Representative's Signature:</b>		<b>Date:</b> 2/8/2021
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# HOME LAND ENVIRONMENTAL

(410) 995-9385

info@homelandhealthyhomes.com

www.homelandhealthyhomes.com

Address: 17740 Hardy Road Mount Airy, MD 21771

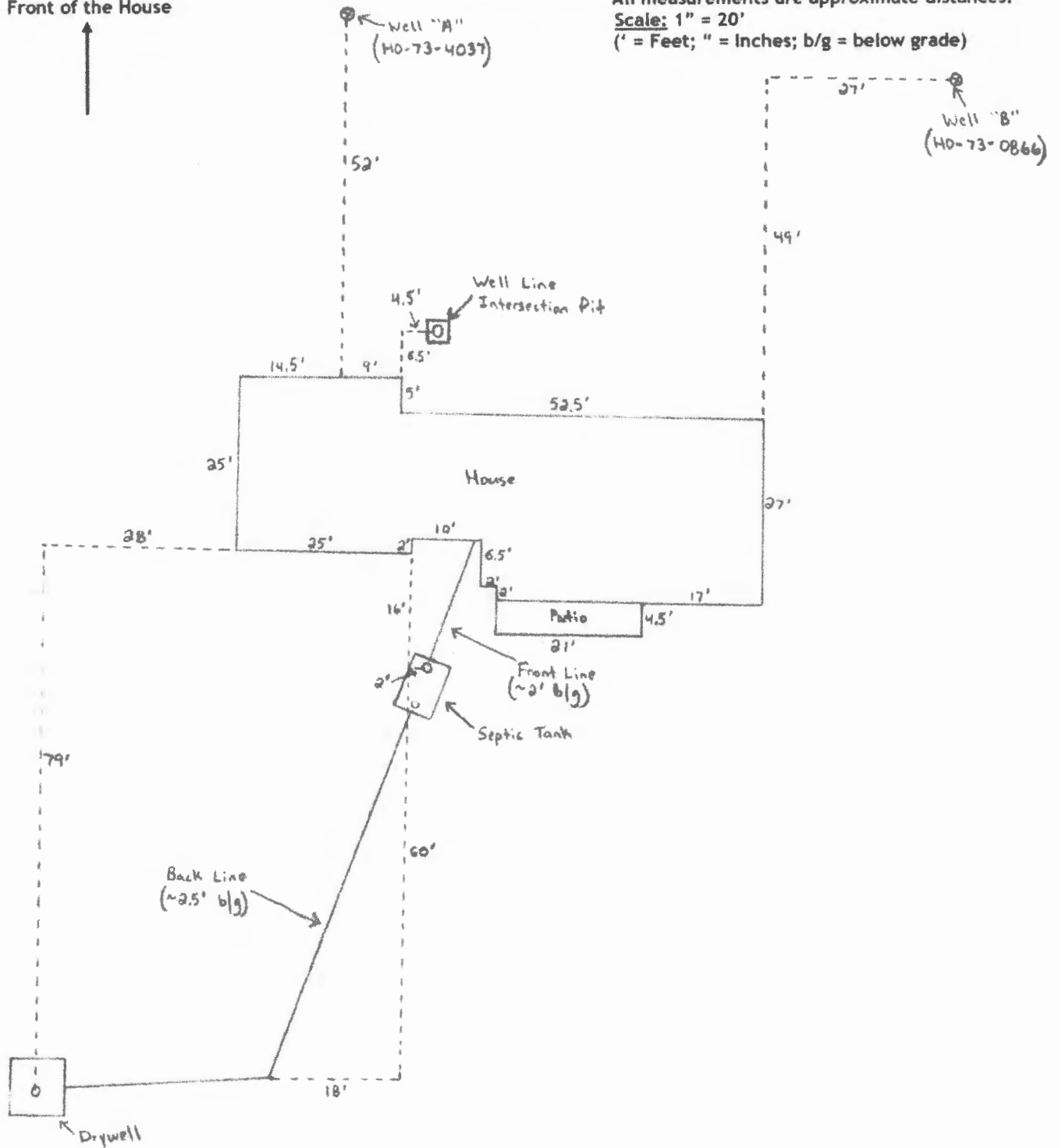
Front of the House



All measurements are approximate distances.

Scale: 1" = 20'

(' = Feet; " = Inches; b/g = below grade)



# HOME LAND

## ENVIRONMENTAL

Location	Inspector
17740 Hardy Road Mount Airy MD 21771	David Vincent Environmental Inspector

Friday, February 5, 2021

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 acceptance of the above clauses. Please see septic evaluation report for more information.

The front and back lines are composed of concrete, and show signs of moderate pitting. Cast Iron pipe- typically last 40-50 years. Is prone to pitting. Pitting is corrosion of metal that can cause holes and or deterioration to develop over time. Heavy pitting can cause clogging points.

There is a major dip in the front line; this is a potential clogging point. Toilet paper was observed to be accumulating at this dip. The front line will need to be remediated by a licensed contractor, which may include replacement.

Belly/Dip - 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  $\frac{1}{2}$  - 1 inches. Major belly over 1 inch.

2/4/2021 1:29:44 PM

0' 1"



2/4/2021 1:29:47 PM

0' 1"

The camera video begins at the drywell. The drywell depth is measured, and the camera is then retracted to the septic tank.



2/4/2021 1:30:15 PM

3' 10"

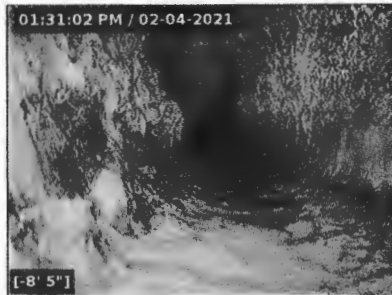
The drywell was found to have approximately 3' of total liquid depth, with approximately 2.5' of liquid depth remaining.



2/4/2021 1:30:49 PM

-3' -5"

The camera is within the back line; moderate pitting of the cast iron pipe is observed.



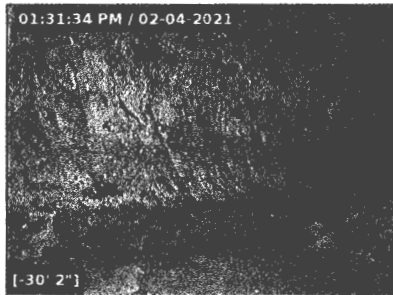
2/4/2021 1:31:02 PM

-8' -6"

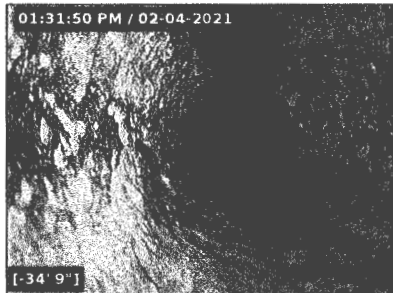
Additional pitting in the line.

2/4/2021 1:31:34 PM

-30' -2"



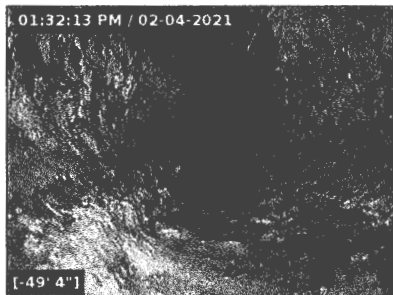
There is a right turn.



2/4/2021 1:31:50 PM

-35' 0"

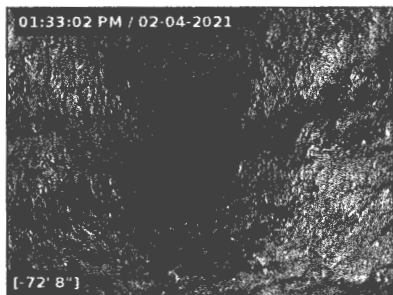
Additional pitting of the line.



2/4/2021 1:32:14 PM

-49' -5"

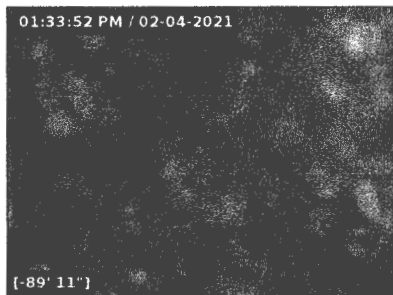
Additional pitting of the line.



2/4/2021 1:33:03 PM

-72' -8"

Additional pitting of the line.



2/4/2021 1:33:52 PM

-89' -11"

The camera has been retracted to the septic tank.

2/4/2021 1:35:19 PM

0' 0"

The camera was introduced into the front line via the cleanout over the front end of the septic tank,



running back toward the house.



2/4/2021 1:35:36 PM

5' 4"

Toilet paper observed accumulating in the line at the beginning of the dip.



2/4/2021 1:35:48 PM

8' 2"

The camera is submerged in the major dip in the front line.



2/4/2021 1:36:32 PM

20' 3"

The main cleanout in the basement was reached.



2/4/2021 1:37:18 PM

8' 10"

Another view of the dip in the line.