



HOWARD COUNTY HEALTH DEPARTMENT

66356

DATE 8/28/19

PS

Received From

Legacy Septic & Excavation

PHONE #

301-370-4121

For

Tank replacement (septic permit)
13555 Highland Rd.

CASH

CHECK

NO.

5330

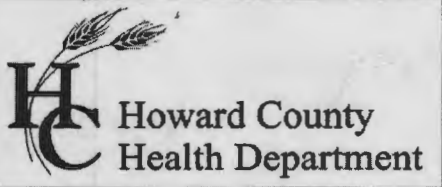
One hundred sixty five Dollars

\$

105.00

Received By

[Signature]



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: 08/28/2019 **ONSITE SEWAGE DISPOSAL SYSTEM** P 566356

APPROVAL DATE: 10/1/2019 **PERMIT:** REPAIR A _____

PROPERTY ADDRESS: 13555 Highland Road

SUBDIVISION: Woodridge LOT: 5 TAX ID: 05-350425

CONTRACTOR: Legacy Septic and Excavation EMAIL: _____

CONTRACTOR ADDRESS: 1538 Manchester Road, Westminster, MD 21157 PHONE: 410-840-8766

PROPERTY OWNER: Erin and Eric Philcox EMAIL: _____

OWNER ADDRESS: 13555 Highland Road, Clarksville, MD 21029 PHONE: 917-648-8865

SEPTIC TANK SIZE (GALLONS): 2000 PUMP CHAMBER CAPACITY (GALLONS): - PUMP SIZE: -

NUMBER OF BEDROOMS: 6 HOUSE SQ. FT. - APPLICATION RATE: -

DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

TRENCHES: <u>EX DRY WELL</u>	LINEAR FEET REQUIRED: _____	INLET DEPTH: _____
	TRENCH WIDTH: _____	MAXIMUM BOTTOM DEPTH: <u>(11')</u> _____
	MINIMUM SPACE BETWEEN TRENCHES: _____	EFFECTIVE AREA BEGINNING DEPTH: _____
LOCATION:	TO BE STAKED BY SANITARIAN DURING PRE-CONSTRUCTION INSPECTION.	
NOTES:	<u>EX D.W. IS 11' DEEP W/ 1.5' LIQUID AT TIME OF INSTALL.</u>	

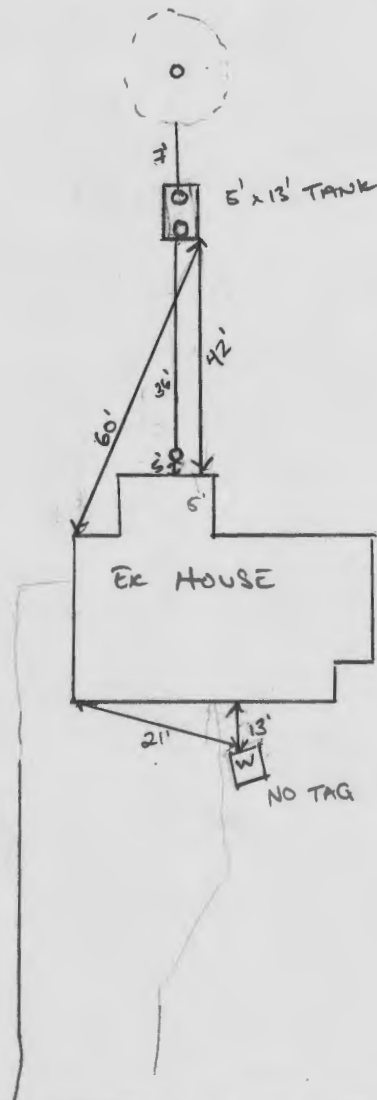
ISSUED BY: _____ ISSUE DATE: _____ EXPIRATION DATE: _____

- 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 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: 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

NORTH
(APPROX.)



ROAD NAME

HIGHLAND ROAD

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
_____	_____	_____
NUMBER OF TRENCHES _____		
TOTAL LENGTH _____		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL _____		
DISTRIBUTION BOX BAFFLE _____		
DISTRIBUTION BOX PORT _____		

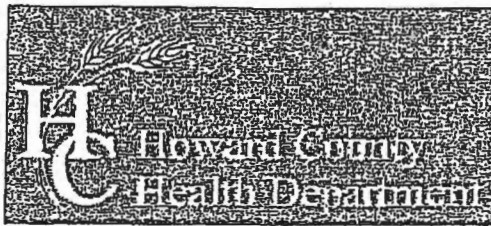
SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	<u>LASER</u>
MANUFACTURER	<u>BAYSTAR</u>
CAPACITY	<u>2000</u> GAL
SEAM LOC	<u>TOP</u>
TANK LID DEPTH	<u>18"</u>
BAFFLES	<u>YES</u>
BAFFLE FILTER	<u>NO</u>
MANHOLE LOC	<u>FRONT/BACK</u>
6" PORT LOC	<u>-</u>
WATERTIGHT TEST	<u>-</u>
SLOTTED	<u>YES</u>
DATE ON LID	<u>08/16/2019</u>
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:

9/23/2019 NO ^{SEPTIC} RECORDS FOR EX HOUSE OR DOWNGRADE NEIGHBOR (13545).
 PUMP AND COLLAPSE EX TANK, REPLACE W/ 2000g 2 COMPT. TANK. EXPOSE
 WELL AND EX SL TO EX DW AND ASSESS AT TANK SETTING. 100' WELL
 RADIUS PULLED APPROX OFF WELL W RANGE FINDER.

INSTALLATION: 10/03/2019 WELL LOCATED IN FRONT. 4'x4'x23' PIT. 100' PULLED OFF
 WELL. TANK PLACEMENT IS OK. EX TANK PUMPED. TANK TO ARRIVE AT
 NOON. (P) (PM) TANK SET. EX DW IS 11' DEEP W 1.5' LIQUID. (PM) NEW
 PVC SEWER LINE INSTALLED OVER ABANDONED TANK (ORANGE BERE, OR TERRA COTTA)
 HYDRAULIC ROOFING CEMENT SEAL EFFLUENT LINE INTO EX DRY WELL.
 STAND PIPE ADDED. SEWER LINE HAS SECTIONS W/ INVERTED
 BELL END ADDING IMPEDENCE AT C/O AND MID LINE (20').

FINAL INSPECTOR [Signature] DATE OF APPROVAL 10/04/2019



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

Twitter: HowardCoHealthDep

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

INFORMATION FORM - SEPTIC SYSTEM REPAIR/UPGRADE

Reason for Request:

- Failing System
System relocation for proposed addition
System upgrade for proposed addition
Inadequate treatment zone
Collapsed septic tank
Collapsed drywell

Has the septic tank been pumped within the last month?

- Yes Date pumped: LEAKING TANK
No

Was a visual inspection of the septic tank and/or drain fields conducted?

- Yes Explain observations: LEAKING TANK
No

Existing system design

- Drywell
Trench
Mound
Unknown
Other:

Was a visual inspection of the sewage line conducted?

- Yes
Blockage leading to the tank
Yes. Explain:
No

Blockage leading to the field

- Yes Explain: CAMERA INSPECTION
No

Is discharge surfacing on the ground?

- Yes
No

Additional Comments: REPLACE W/2000 GAL TANK

*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: LEGACY SEPTIC Contractor's Phone: 301-370-4121
Contractor's Address: 1538 MATCHLESS RD WASHINGTON MD
Property Address: 13555 Highland Road County file: 350425
Subdivision: Lot: 5 Year Built: 1966
Owner's Name: ED & ERIC PHILCOX Owner's Phone: 917-648-8865
Name of previous owners: CATHERINE R AYD Existing bedrooms: 5
Proposed bedrooms: 5

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.

HOME LAND

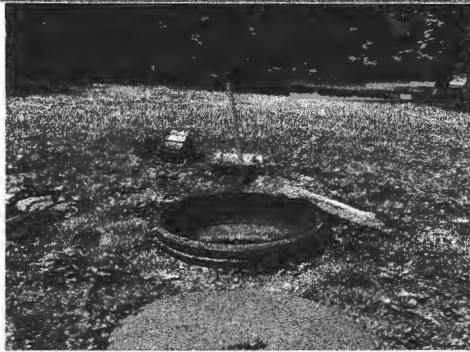
ENVIRONMENTAL

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

Date: June 27, 2019 Name of Evaluator: Eric Garrett Time: 12:15 PM Property Address: 13555 Highland Road Clarksville, MD 21029 Recent Weather Conditions: Sun	Ordered By: Erin Philcox Buyers: Lisa Buohl Homeowner Interview: The homeowner interview was received prior to the evaluation.	Occupied: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Length of Time Vacant: 4? # of People Living in Home: N/A # of People moving in: 4 Property Age: 1966 System Age: 1966 Last Date of Cleaning: 3 Years Recomm'd Pumping Freq: 1-3 Years
Liquid level in tank is: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Below Normal		Bottom Solids Depth: 24 Inches
Depth of tank: 6 Inches & At Grade	Type of Tank Access: Riser & Lid	Depth of tank access: At Grade
Maintenance appears: <input type="checkbox"/> Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor		Depth to Distribution Box: N/A
Effluent Filter present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Previous high liquid level: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Distance to well: Unknown
Records Search: Records were requested from Howard County but not 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	Type of Absorption System
<input checked="" type="checkbox"/> Septic Tank (1 Tank) <input type="checkbox"/> Aeration System <input type="checkbox"/> Other:	<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Plastic Tank Size: 1,000 gallons	<input type="checkbox"/> Leaching Field <input type="checkbox"/> Raised Mound <input checked="" type="checkbox"/> Drywell (Number of: 1) <input type="checkbox"/> Cesspool <input type="checkbox"/> Unknown:
System Component	Condition	Comments
Septic Tank	<input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Unacceptable <input type="checkbox"/> Needs Further Evaluation	Upon arrival the liquid level in the septic tank was below normal. Liquid level was ~12 inches below the invert of the outlet, refer picture on page 2. Per the homeowner interview the last cleaning was performed 3 years ago. Currently, there are 24 inches of solids in the tank. This suggests that the septic tank is leaking. The tank should be replaced by a licensed septic contractor after permits are issued from the health department.
Absorption System	<input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Unacceptable <input type="checkbox"/> Needs Further Evaluation	Due to lack of county records a camera was used to locate the absorption system. There appears to be a blockage in the back line as the camera could not advance into what is believed to be a drywell. The line should be snaked to determine the proper remediation. The edge of the drywell was probed and found to be dry to a depth of at least 18 inches from the of the stone. Approximately 150 gallons of water were introduced into the system with no sign of a back.

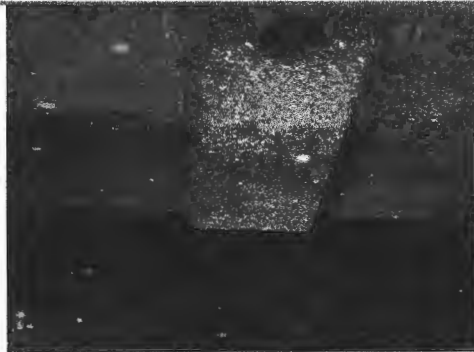
HOME LAND ENVIRONMENTAL

p:443-995-5385 | f:443-267-0098 | info@homelandhealthyhomes.com | www.homelandhealthyhomes.com



Picture 1:

Septic tank access and location.



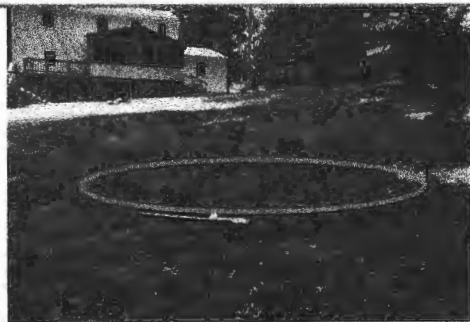
Picture 2:

Front baffle is composed of concrete. Low Liquid level can be seen. Staining on baffle is where the liquid level should be.



Picture 3:

PVC back baffle. Also showing the low liquid level.



Picture 4:

Location of the Drywell. -49 feet of the back of the septic tank.

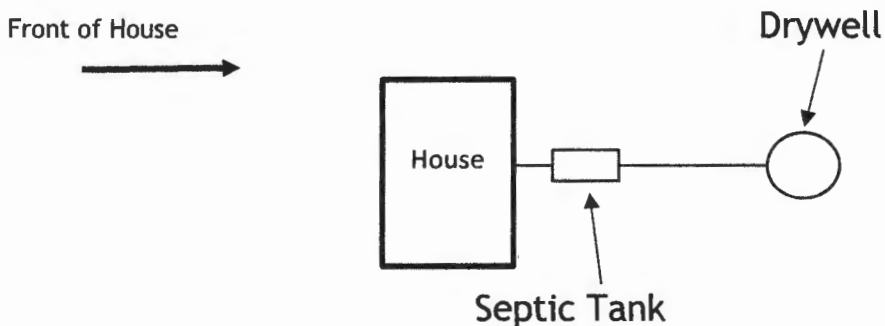
p:443-995-5385 | f:443-267-0098 | info@homelandhealthyhomes.com | www.homelandhealthyhomes.com

HOME LAND

ENVIRONMENTAL

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

Sketch of 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: 6/27/2019