

Bureau of Environmental Health
 8930 Stanford Boulevard, Columbia, MD 21045
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www.hchealth.org
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Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 11/28/2023 **ONSITE SEWAGE DISPOSAL SYSTEM** P 575701

APPROVAL DATE: 11/29/2023 **PERMIT: REPAIR** A _____

PROPERTY ADDRESS: 1188 Day Road

SUBDIVISION: n/a LOT: 15 TAX ID: 03-300722

CONTRACTOR: Freedom Septic EMAIL: Chisty@freedomseptic.com

CONTRACTOR ADDRESS: 2809 Liberty Road, Sykesville, MD 21784 PHONE: 410-795-2947

PROPERTY OWNER: John Riley EMAIL: n/a

OWNER ADDRESS: Same as above PHONE: 410-984-8618

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

DISTRIBUTION SYSTEM: GRAVITY LPD BEDROOMS: 3 APPLICATION RATE: 1.2

| | | |
|-----------|---|--|
| TRENCHES: | LINEAR FEET REQUIRED: <u>82.5</u> | INLET DEPTH: <u>3</u> |
| | TRENCH WIDTH: <u>2</u> | MAXIMUM BOTTOM DEPTH: <u>8</u> |
| | MINIMUM SPACE BETWEEN TRENCHES: <u>10</u> | EFFECTIVE AREA BEGINNING DEPTH: <u>5</u> |
| LOCATION: | SYSTEM STAKED BY INSTALLER AND VERIFIED BY APPROVING AUTHORITY DURING PRE-CONSTRUCTION INSPECTION. | |
| NOTES: | Install system per approved design plans. | |

ISSUED BY: Kevin M. Wolf, L.E.H.S. ISSUE DATE: 11/28/2023 EXPIRATION DATE: 11/28/2024

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR REGISTERED WITH THE STATE OF MD ON-SITE WASTEWATER PROFESSIONALS BOARD: CONFIRMED
- 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 WARRANT 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.**

NOT TO SCALE

Ex. Pool

Ex. House

Ex. Well

Ex. Pond Dc

ROAD NAME

TRENCH/DRAINFIELD DATA

| WIDTH | INLET | BOTTOM |
|-------------------------|-------|---------|
| 2' | 3' | 8' |
| NUMBER OF TRENCHES | | 2 |
| TOTAL LENGTH | | 92' |
| ABSORPTION AREA | | 189 sq' |
| DISTRIBUTION BOX LEVEL | | YES |
| DISTRIBUTION BOX BAFFLE | | YES |
| DISTRIBUTION BOX PORT | | YES |

SEPTIC TANK DATA

| SEPTIC TANK 1 LEVEL | |
|------------------------|------------------|
| MANUFACTURER | _____ |
| CAPACITY | _____ GAL |
| SEAM LOC | _____ |
| TANK LID DEPTH | _____ |
| BAFFLES | 9" back |
| BAFFLE FILTER | _____ |
| MANHOLE LOC | New back manhole |
| 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:

11/2/2023 Trenches laid out w/ installer. Elevation confirmed. No work found

INSTALLATION: 11/28/2023 - New manhole + 9" back baffle. Contractor hit rock for backline, still digging back line, did not start trenches yet. SCHED 40 PVC used + edgecode F44 on backline. (SP)

11/29/2023 - Contractor finished line from tank to Dbox, Dbox has baffle, levelers, & port. Levelled Dbox white onsite. Both trenches finished, inlet @ 3', lengths @ 47' & 45' (SP)

FINAL INSPECTOR S. Page

DATE OF APPROVAL 11/29/2023

HOME LAND

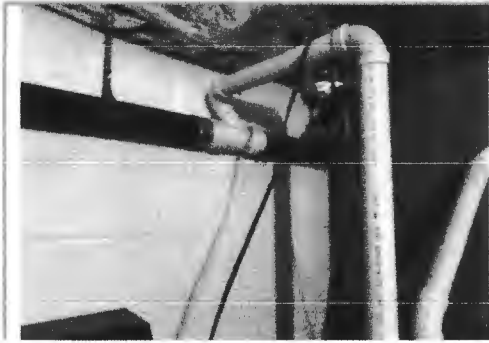
ENVIRONMENTAL

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| | | |
|---|--|---|
| Date: 9/26/2023 Name of Evaluator: Drew Henderson Time: 14:00 Property Address: 1188 Day Road Sykesville, MD 21784 Recent Weather Conditions: Rain | Ordered By: John Riley Homeowner Interview: The homeowner interview was conducted during the evaluation. | Occupied: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Length of Time Vacant: N/A # of People Living in Home: 3 Property Age: 1979 System Age: 1979 Last Date of Cleaning: ~2 Weeks Ago 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: 6 Inches | |
| Depth of tank: 36 Inches | Type of Tank Access: 6-inch Cleanout | Depth of tank access: At Grade |
| Maintenance appears: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Fair <input type="checkbox"/> Poor | # of Bedrooms: 4 | Depth to Distribution Box: 34 inches |
| Effluent Filter present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Previous high liquid level: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Distance to well: ~100 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 (Driveway) | | |
| 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"/> Plastic | <input checked="" type="checkbox"/> Leaching Field <input type="checkbox"/> Raised Mound |
| <input type="checkbox"/> Aeration System | | <input type="checkbox"/> Drywell (Number of:) <input type="checkbox"/> Cesspool |
| <input type="checkbox"/> Other: | Tank Size: 1,000 gallons | <input type="checkbox"/> Unknown: _____ |
| System Component | Condition | Comments |
| Septic Tank | <input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable <input checked="" type="checkbox"/> Needs Further Evaluation | The septic tank is composed of concrete and appears to be composed of concrete. Access is a cleanout at grade; the tank is 36 inches below grade. It is recommended that a riser to grade be installed to facilitate proper access and maintenance. Upon arrival the liquid level in the tank was found to be above the normal operating level, with signs of previous high liquid levels (see pictures below). Due to the high liquid level the placement of the baffles and composition of the tank could not be verified. When repairs to the absorption system are made the tank needs to be evaluated further. |
| Absorption System | <input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Unacceptable <input type="checkbox"/> Needs Further Evaluation | Per the County records the absorption system is composed of 1 distribution box and 2 drainfields. During the inspection 1 distribution box was located. The drainfields appear to be located underneath the driveway. The tank was pumped 2 weeks ago and is over full with sewage backing up towards the house and surfacing out of the cleanout. This indicates the drainfields are hydraulically loaded and are backing up. A new absorption system needs to be installed by a licensed septic contractor after obtaining permits from the County Health Department. |

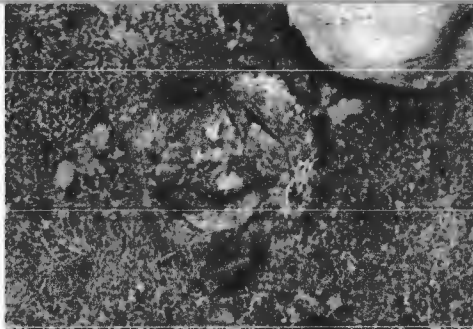
HOME LAND ENVIRONMENTAL

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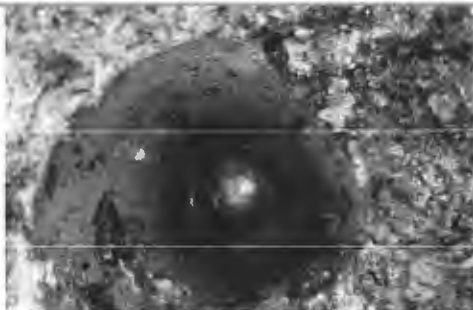
Picture 1:

Showing the sewer line inside the house



Picture 2:

Showing signs of sewage surfacing previously out of the tank cleanout to grade



Picture 3:

Showing inside the terracotta cleanout into the tank. Liquid level is above the normal level and backing up into the cleanout/ back towards the house



Picture 4:

Showing location of the distribution box

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HOME LAND

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Sketch of System

See County records for 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.
- Suggestions or recommendations for repairs or remediation may result in the need for further repair or remediation once the system components are fully excavated.

| | | |
|------------------------------------|---|------------------------|
| Representative's Signature: |  | Date: 9/26/2023 |
|------------------------------------|---|------------------------|