

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

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

**APPLICATION  
 FOR PERCOLATION TESTING AND SITE EVALUATION**

**PROPERTY LOCATION**

SUBDIVISION/PROPERTY NAME Minglewood  
 PROPERTY ADDRESS 14850 Old Frederick Rd Woodbine 21787  
STREET TOWN ZIP  
 TAX ACCOUNT # \_\_\_\_\_ TAX MAP \_\_\_\_\_ GRID \_\_\_\_\_ PARCEL \_\_\_\_\_ LOT NO. 4 PROPOSED LOT SIZE (ACRES) \_\_\_\_\_  
 ZONING CATEGORY \_\_\_\_\_ TIER \_\_\_\_\_

PROPERTY OWNER(S) David + Carroll Melton  
 DAYTIME PHONE 443-545-4408 CELL \_\_\_\_\_ EMAIL \_\_\_\_\_  
 MAILING ADDRESS 4131 Pemberton Ct Ellicott City, MD 21043  
STREET CITY, STATE ZIP

APPLICANT Freedom Septic Service RELATIONSHIP TO OWNER: \_\_\_\_\_  
 DAYTIME PHONE 410-785-2947 CELL \_\_\_\_\_ EMAIL Christy@freedomseptic.com  
 MAILING ADDRESS 2805 Liberty Rd Sylmar, MD 21784  
STREET CITY, STATE ZIP

**I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):**

PROPERTY:

- SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: \_\_\_\_\_
  - SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING)  MAJOR  MINOR
  - CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
  - REPAIR OR REPLACE FAILING OSDS
  - UPGRADE EXISTING OSDS
- \* reserve area perc \**

BUILDING:

- RESIDENTIAL WITH 4 EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
- COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- YES
- NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.
- THE APPLICATION FEE IS NON-REFUNDABLE
- THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED
- THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

*Brian Byrd*

SIGNATURE OF APPLICANT

5/3/24

DATE

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

July 17<sup>th</sup>, 2024

To: David & Caroll Melton  
CC: Rob Vogel, via E-Mail: rob.vogel@timmons.com

**Re: 14850 Old Frederick Road (Perc Test Report)**

On July 9<sup>th</sup> 2024, percolation tests were conducted as scheduled at 14850 Old Fredrick Road. The proposed sewage disposal area (SDA) was thoroughly tested and evaluated on this day. The test site was dominated by one main soil type, Glenelg loam (GgB, GgA). Almost all proposed test holes were dug and evaluated at their respective staked locations. In total, there were five staked locations 100-104 and it was chosen that they would be tested from closest to the new septic system all the way to the furthest staked perc hole. The purpose of testing on July 9<sup>th</sup> was to re-configure a new SDA since several rock outcrops were encountered when the septic contractor was trying to install the initial septic system. Luckily, I had the engineer add test hole 100 which was right in the middle of the previously established SDA. Test hole 100 was the first hole evaluated and FAILED due to rock refusal at four feet. Holes 101 & 102 were tested next and designated as PASSING. It is important to note that hole 101 has a max bottom depth of 5' for future trenching, and hole 102 is somewhat isolated at the highest topographic perc location. Hole 105 was added while out in the field to compensate for the failure of hole 100: and was designated as a PASS. Another issue was encountered at staked location 103, this was an outlier hole that had heavy clay content all the way through its soil horizon down to 8 feet and then a rock bottom shortly thereafter. Hole 103 was designated as a FAIL. With the failure encountered at 103, perc hole 106 was added while out in the field and perc 104 was moved down closer to hole 106's topographic contour line. Perc hole 104 was relocated 30 feet down and relabeled as hole 104A. 106 and 104A also PASSED.

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Locations that may be included in the sewage disposal area are represented by test pits having satisfactory soil conditions. There is no guarantee that an engineer will be able to establish a 10,000 sf SDA based on the passing holes alone; it will be their responsibility to submit adequate plans for approval. The SDA must be large enough to accommodate 3 systems (initial and 2 replacements). The SDA will have to hold tight lines around the passing holes and avoid the two failed holes as much as possible. Extra perc holes were added to help maximize area that was lost from the failed holes. If 3 systems cannot fit, the Health Dept. may consider allowing 2 systems (initial and 1 replacement) which will require Best Available Technology (BAT). The next step in the process is to have an engineer/consultant submit a finalized percolation certification plan showing the passing holes (including field located elevation points), establishing the proposed SDA to the Health Dept. for review and signature. Once the new percolation certification plan is approved, a revised OSDS plan should be submitted by your engineer.

Respectfully,



Zackary Silvast, REHS/RS, L.E.H.S.  
Plan Review Supervisor  
Well and Septic Program (*Howard County HD*)

Enclosures: Percolation Test Application and Field Worksheet

# VOGEL ENGINEERING + TIMMONS GROUP

3300 North Ridge Road, Suite 110 Ellicott City, MD 21043  
P 410.461.7666 F 410.461.9961 [www.timmons.com](http://www.timmons.com)

October 02, 2024

Mr. Zack Silvast  
Bureau of Environmental Health  
8930 Stanford Blvd.  
Columbia, Maryland 21045

Re: **Melton Property**  
**14850 Old Frederick Road**  
**Perc. Cert. Revision Plan**

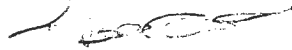
Dear Mr. Silvast,

This letter is in response to your comments dated September 10, 2024.

1. The SDA has been redrawn to emulate the mark-up that you sent with your comments.
2. The trenches are shown almost equidistant from the failed perc tests and hole 102. The replacement trenches are just schematic at this point and may be adjusted at a later date as needed. A minimum of 10' has been maintained between trench walls, and a minimum of 5' has been maintained between trench ends.
3. No well box, or alternate well locations were provided for this lot during the initial subdivision process, as it was not a requirement at the time. All earlier plans only show the single well location. We were asked by Health during our previous submissions to provide the now required 1,500 sf well box. We were unable to provide a 1,500 sf well box due to the location of the proposed free-standing garage and the neighboring sewage disposal areas. The most we could get was 1,125 sf as is shown on the perc cert plan signed by Health on 5/26/2023. Unfortunately, when the free-standing garage was built, it was built several feet closer to the proposed well box. This further reduced the size of the well area to the 1,011 sf that we are showing on this perc cert revision plan. Due to setback requirements, we are unable to expand the well box in any direction. There also does not appear to be any feasible locations for alternate well locations.
4. Note #6 has been removed from the plan.
5. The tanks and drain field have been labeled.
6. Additional information has been added to the purpose note, per your request.

Should you have any questions regarding this matter, please do not hesitate to contact this office.

Sincerely,  
**VOGEL ENGINEERING + TIMMONS GROUP**



Robert H. Vogel, P.E.



A57613  
COUNTY #

SOIL PROFILE  
2F

SOIL PROFILE  
2A 2D  
0' dark red brn SiClm  
30' dark brown SiLm  
7.0' water

0' no distinct clay layer red brn SiClm 15% frags  
100' dark red SiLm 30% frags  
120'



2B 2C  
orange brown SiClm  
3.0' 1st orange brown 30% rock frags SiLm  
11.5'

2E  
no distinct clay layer 1st light brown red SiLm

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. OLD FREDERICK RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1-10-97	2A	Insufficient depth	to H <sub>2</sub> O table				(E)
	2D	Insufficient depth	to H <sub>2</sub> O table				(F)
	2C	3.5 VII.5	12:24	12:26	12:26	12:31	5min
	2B	3.5 VII.5	12:22	12:32	12:32	12:56	24min
	2E	3.0 VII.5	12:28	12:30	12:30	12:36	6min
	2F	3.5 VII.5	12:35	12:37	12:37	12:40	3min

REMARKS 1-10-97 Tests considered wet see soil due to high

# APPLICATION

PERCOLATION TESTING

A 57613

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 12-27-96

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER RAYMOND HONASKI c/o CHRIS RACHUBA, RALO Builders

ADDRESS 946-A MARIMICH COURT PHONE 781-3400

ELDER'SBURG, MD 21784

AGENT OR PROSPECTIVE BUYER Daf + McCune, Walker, Inc.

ADDRESS 200 E Pennsylvania Ave. PHONE 296-3333

Towson, MD 21286

PROPERTY LOCATION:

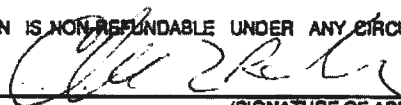
SUBDIVISION \_\_\_\_\_ LOT NO. 2

ROAD AND DESCRIPTION North side of Old Frederick Rd, ± 1 mile west of  
Rte 97

TAX MAP 8 PARCEL # 26

SIZE OF LOT ± 14 Ac. TYPE BLDG. SFD  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.



(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

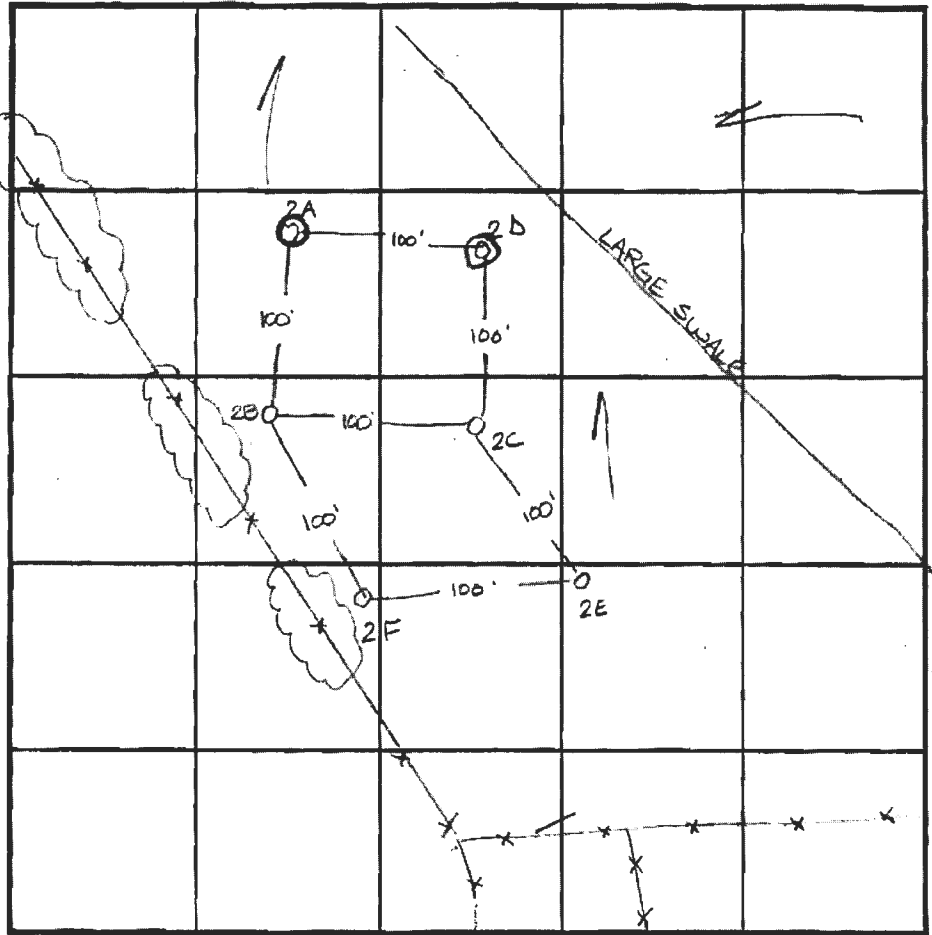
# THIS IS NOT A PERMIT

A57613  
COUNTY #

SOIL PROFILE  
0' (2A) (2D)  
dark red brn siltm  
5.0 dark brown siltm  
7.0 water

2B 2C  
orange brown siltm  
3.0 lgt orange brown 30% rock frags siltm  
11.5

2E  
no distinct clay layer  
lgt beige brown red siltm  
20% Rx



SOIL PROFILE  
0' 2F  
no distinct clay layer red brn siltm 15% frags  
10.0 dark red siltm 30% frags  
12.0

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. OLD FREDERICK RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1-10-97	(2A)	Insufficient	depth to H <sub>2</sub> O table				(E)
	(2D)	Insufficient	depth to H <sub>2</sub> O table				(F)
	2C	3.5 / 120	12:24	12:26	12:26	12:31	5min
	2B	3.5 / 11.5	12:22	12:32	12:32	12:56	24min
	2E	3.0 / 11.5	12:28	12:30	12:30	12:36	6min
	2F	3.5 / 120	12:35	12:37	12:37	12:40	3min

REMARKS 1-10-97 Tests considered wet season due to high rainfall in 1996

TYPE OF SOIL \_\_\_\_\_  
TESTED BY Amy McMillen ALSO PRESENT Chuck Zapp  
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 6min TRENCH WIDTH 3.0  
INLET DEPTH 3.0 MAXIMUM BOTTOM DEPTH 5.0 SQ. FT./BEDROOM 180

115

"100"

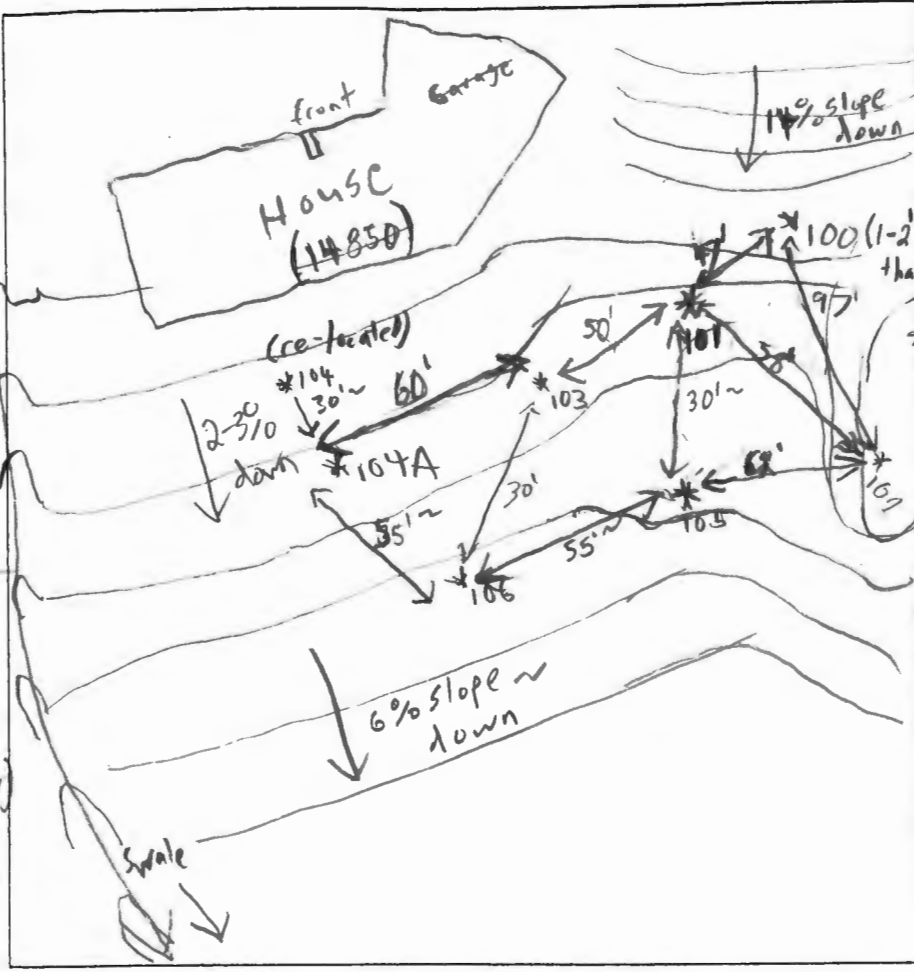
0-5" top soil  
 Br. Loam  
 5"-2 1/2' Reddish  
 Br. CL (tight)  
 2 1/2'-4' Red  
 Br. Tan/SCL  
 main CL  
 semi-frangible  
 (rock @ 9')

"101"

0-4" top soil  
 4"-2' Tan/Red  
 CL (tight, angular)  
 2'-3' Tan/Red  
 SCL (very loose)  
 w/ silt  
 3'-4' Tan/Red  
 SCL w/ shale  
 75%  
 4'-9' Tan/Br.  
 SL w/ some  
 rock shale  
 @ 9'

"102"

0-4" top soil  
 4"-2' Tan/Pale  
 Br. CL  
 (sub-angular,  
 tight)  
 2'-4' Red/Tan  
 Heavy CL  
 (tight, angular)  
 4'-6' Tan/Red  
 SCL semi-frangible  
 tight  
 6'-11' Br./Tan.  
 or. LS  
 w/ some shale  
 15%  
 rock @ 11'



"105"

0-5" top soil  
 5"-1 1/2' Tan/Pale  
 Br. CL (tight)  
 1 1/2'-3' Red/Tan  
 Gray SCL  
 (very friable w/ silt)  
 3'-4' Red/or.  
 SCL w/ 40% shale  
 4'-10' Tan/Br./Gray  
 SL friable  
 10'-11' Br./Gray  
 LS w/ 30% shale  
 rock @ 11'

"103"

Clay down  
 to 8'  
 rock refusal @ 8'

"106"

0-5" top soil  
 5"-1 1/2' Pale Br. CL  
 (tight)  
 1 1/2'-4' Tan/Br./Reddish  
 Clay (angular)  
 4'-6' Tan/Red SCL  
 semi-frangible w/ silt  
 6'-11' Br./Tan SL  
 some shale 15%  
 11' rock

"104A"

0-5" top soil  
 5"-1 1/2' Tan/Br. CL  
 (hard, tight)  
 1 1/2'-4' Br./Reddish  
 SCL hard pan  
 (w/ shale > 50%)  
 4'-5' Red/Tan  
 SCL (sub-angular  
 w/ silt)  
 (semi-frangible)  
 5'-11' Br./Tan/Yellow  
 SL w/ 15-20  
 gravel sh  
 hard  
 material  
 @ 11'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/9	100	VISUAL	FAIL				(F)
7/9	102	7'	10:17am	10:20am	10:24am	4mp	(P)
7/9	101	5'	10:21am	10:23am	10:25am	2mp	(P)
7/9	105	5'	10:27am	10:29am	10:32am	3mp	(P)
7/9	103	VISUAL	FAIL				(F)
7/9	106	7'	10:51am	10:53am	10:56am	3mp	(P)
7/9	104A	6'	11:05am	11:10am	11:14am	9mp	P

REMARKS Other easements will have to be altered  
 SANITARIAN Z. Silvast BACKHOE Freedom Septic OTHERS Dan & Little Dan  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Monday, May 15, 2023 9:45 AM  
**To:** 'Kathleen Makusky'  
**Subject:** Perc Cert Plan Review Comment\_14850 Old Frederick Road, Minglewood, Lot 4

Hi Kathleen:

Good morning. The revised *perc cert plan* for 14850 Old Frederick Road, Minglewood, Lot 4 has been reviewed with the following comment:

1. Show a suitable house site (55' x 70') with driveway.

Should you have any questions please don't hesitate to ask.

Thanks,

Hank

Hank Oswald  
Licensed Environmental Health Specialist  
Bureau of Environmental Health  
Howard County Health Department  
8930 Stanford Blvd. Columbia, MD 21045  
(410) 313 - 1786  
[www.hchealth.org](http://www.hchealth.org)

DISCLAIMER: This e-mail is intended only for the individual to whom it is addressed. It may be used only in accordance with applicable laws. If you are not the intended recipient, you are strictly prohibited from reading, disseminating, distributing, or copying this message. If you received this e-mail by mistake, please notify the sender and destroy this e-mail