

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

Handwritten signature/initials

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME
PROPERTY ADDRESS 5236 Green Bridge Rd DAYTON, MD 21036
TAX ACCOUNT # 369096 TAX MAP 28 GRID 13 PARCEL 91 LOT NO. PROPOSED LOT SIZE (ACRES) 1.12
ZONING CATEGORY RR-DEO TIER

PROPERTY OWNER(S) Home Ways Properties LLC
DAYTIME PHONE 443-875-6166 CELL EMAIL anwar.chaudhry@gmail.com
MAILING ADDRESS 15823 Thompson Rd Silver Spring, MD 20905

APPLICANT Home Ways Residential LLC RELATIONSHIP TO OWNER: General Contractor
DAYTIME PHONE 240-205-9983 CELL EMAIL iqtedar1@gmail.com
MAILING ADDRESS 12632 Scaggsville Rd Highland, MD 20777

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

- PROPERTY:
SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: 1
CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
REPAIR OR REPLACE FAILING OSDS
UPGRADE EXISTING OSDS
BUILDING:
RESIDENTIAL WITH 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.

Handwritten signature of Iqtedar Chaudhry

Iqtedar Chaudhry (Member)

08/03/2017

SIGNATURE OF APPLICANT

DATE

1572772

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

**APPLICATION**

**FOR PERCOLATION TESTING AND SITE EVALUATION**

**PROPERTY LOCATION**

SUBDIVISION/PROPERTY NAME HARY P. HUNGERFORD'S SUBDIVISION

PROPERTY ADDRESS 5236 GREEN BRIDGE ROAD DATYON 21036  
STREET TOWN ZIP

TAX ACCOUNT # 369096 TAX MAP 28 GRID 13 PARCEL 91 LOT NO. \_\_\_\_\_ PROPOSED LOT SIZE (ACRES) 1.126

ZONING CATEGORY RR-DEO TIER III

PROPERTY OWNER(S) ALEXANDRA ROAD KATZOFF PLAMER & BRADLEY S PALMER

DAYTIME PHONE (443) 812-0256 CELL \_\_\_\_\_ EMAIL katzoffalex@gmail.com

MAILING ADDRESS 5236 GREEN BRIDGE ROAD DAYTON, MD 21036  
STREET CITY, STATE ZIP

APPLICANT Paul G. Cavanaugh RELATIONSHIP TO OWNER: REPRESENTATIVE

DAYTIME PHONE (410) 461-2855 CELL (443) 813-2302 EMAIL PaulC@fcc-eng.coM

MAILING ADDRESS 10272 BALTIMORE NATIONAL PIKE ELLCOTT CITY, MD 21042  
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

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.

Paul G. Cavanaugh

SIGNATURE OF APPLICANT

FEB 1, 2023

DATE

**FISHER, COLLINS  
& CARTER, INC.**

**CIVIL ENGINEERING CONSULTANTS  
and LAND SURVEYORS**

Terrell A. Fisher, P.E., L.S.  
Earl D. Collins, P.E.  
Charles J. Crovo, Sr., P.E., L.S.

Paul W. Kriebel, P.E.  
Mark L. Robel, P.L.S.  
Aldo M. Vitucci, P.E.  
Frank Manalansan II, L.S.

# Transmittal

Via:  Fax  Mail  Messenger  E-Mail  To Be Picked Up  
 Fax (original to follow via U.S. Mail)

To: <b>Bureau of Environmental Health</b> <b>8930 Stanford Blvd</b> <b>Columbia, MD 21045</b>	Attn: <b>Michael J. Davis, Director</b> Fax: Phone:
-----------------------------------------------------------------------------------------------------	-----------------------------------------------------------

From: <b>Luke A. Groom, P.E.</b>	CC:
----------------------------------	-----

Re: <b>5236 Green Bridge Road, Perc Application</b>	W.O.# <b>23001-6001</b>
Date: <b>February 2, 2023</b>	Pages: <b>3</b> <b>Page(s) Including this cover</b>

We are forwarding:	<input checked="" type="checkbox"/> Prints	<input type="checkbox"/> Copy of Letter	<input type="checkbox"/> Specifications	<input type="checkbox"/> Shop drawings	<input type="checkbox"/> Other
	<input type="checkbox"/> Urgent	<input type="checkbox"/> For your use	<input type="checkbox"/> As requested	<input type="checkbox"/> For Review & Comment	

Remarks:

**Mr. Davis:**

**In conjunction with the submission of the above referenced project.**

**Attached you should find:**

**3 Sets of Percolation Application Plan**

**1 Copy of Percolation Application**

**1 Check No. 1007 in the amount of \$506.00**

**Please feel free to contact me if you require any additional information.**

**Regards,**

**Luke A. Groom, P.E.**



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## Freemon, Robert

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**From:** Freemon, Robert  
**Sent:** Monday, May 15, 2023 12:04 PM  
**To:** Luke Groom  
**Subject:** RE: 23001 - 5236 Greenbridge Road Perc Certification Plan  
**Attachments:** PC.pdf

Hi Luke,

I received the PC back with some comments. The comments are below. I have also attached the PC showing what they are commenting on. Let me know if you have any questions.

1. Keep the SDA 10' from the property line. Since there is more than enough area to work with the SDA needs to stay 10'.
2. The lowest portion of the SDA should stay along contour closest to the passing test hole locations. Since test holes failed beyond them we do not want to extend it closer to them. If extra area is needed area above 9 & 10 can be utilized. There is more confidence in area above 9 & 10 than there is below 5, 5A & 3.

### Well and Septic Program

Robert "Spencer" Freemon

Phone: 410-313-6357

Email: [rfreemon@howardcountymd.gov](mailto:rfreemon@howardcountymd.gov)

Website: <https://www.howardcountymd.gov/health/well-septic-program>

**From:** Luke Groom <[L.groom@fcc-eng.com](mailto:L.groom@fcc-eng.com)>  
**Sent:** Tuesday, May 9, 2023 9:08 AM  
**To:** Freemon, Robert <[rfreemon@howardcountymd.gov](mailto:rfreemon@howardcountymd.gov)>  
**Subject:** 23001 - 5236 Greenbridge Road Perc Certification Plan

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hi Spencer,

Do you know where the review of the 5236 Greenbridge Road Perc Certification Plan stands?

Thanks,  
Luke

**Luke A. Groom, P.E.**

Project Manager

**Fisher, Collins and Carter, Inc.**

10272 Baltimore National Pike - Ellicott City, MD 21042

Office: 410.461.2855 x555



**FISHER, COLLINS  
& CARTER, INC.**

CIVIL ENGINEERING CONSULTANTS  
and LAND SURVEYORS

Terrell A. Fisher, P.E., L.S.  
Earl D. Collins, P.E.  
Charles J. Crovo, Sr. P.E., L.S.

Paul W. Kriebel, P.E.  
Mark L. Robel, P.L.S.  
Aldo M. Vitucci, P.E.  
Frank J. Manalansan II, L.S.

February 24<sup>th</sup>, 2023

Zack Silvast  
Ho. Co. Health Department  
Well & Septic Program  
8930 Stanford Blvd  
Columbia, MD 21045

RE:

Perc Application Plan  
5236 Green Bridge Road

Dear Mr. Silvast.:

On behalf of our client. Please accept this resubmission package and accompanying point-by-point response to a comment letter, dated February 17, 2023.

**Health Department Perc Application Plan Comments:**

Comment:

*A portion of the SDA is Approx. 30 feet below the contour for hole 5A and will need additional perc testing to establish area below the 502 ft. contour line.*

Response:

The plan has been updated to reflect the exhibit that was provided by the health department. Three new perc test locations and abandonment of a portion of the previously approved SDA are proposed.

Comment:

*The SDA must maintain a minimum 20' setback.*

Response:

The SDA was rearranged to reflect the 20' setback.

Comment:

*The wells for the properties located at 5192 Green Bridge Rd & 6525 Mare Ct. need to be shown on the perc applications plan.*

Response:

The wells for the referenced properties have been added.

**FISHER, COLLINS  
& CARTER, INC.**

CIVIL ENGINEERING CONSULTANTS  
and LAND SURVEYORS

Comment:

*Existing wells should show the tag numbers for record properties, and "no tag" wells should be identified/ labeled appropriately on the plan.*

Response:

The adjacent properties have had the well labels added where appropriate.

Comment:

*General Notes 2, 4 and 8 should state "Sewage Disposal Area" as opposed to "Sewerage Easement or septic Easement Area."*

Response:

The plans has been updated to read "Sewage Disposal Area" where applicable.

Comment:

*General Note 4 should mention neighboring wells 200' downgradient in addition to the 100' setback.*

Response:

The note has been updated on the plan.

Comment:

*Should clearly identify septic on 5192, don't have to provide exact specs, but at least label area and put not "septic > 200' Away"*

Response:

The note was added to the plan where applicable.

If you have any questions or require any additional information that may help in your review, please do not hesitate to call.

Very truly yours,  
Fisher, Collins & Carter, Inc



Luke A. Groom, P.E.

To Whom It May Concern,

Thank you for your recent submittal of the perc certification plan for 5236 Green Bridge Road. Due to the new proposal shown on the previously approved perc certification plat, we will have to regulate that all minimum setback requirements. Please have a professional engineer or licensed land surveyor revise the perc application plan submitted on February 3<sup>rd</sup>, 2023 to adjust the SDA to ensure that there is adequate area to design an appropriate On-Site Sewage Disposal (OSDS) plan.

**Updated Concerns based on 2/3/23 submittal:**

1. The approved perc certification plat in 2017 was designed with the intention that the existing house would be demolished and replaced with a new residential structure in a different location.
  - A. Now we are ensuring that minimum setbacks are met due to the new proposal of a second story addition to the existing house.
  - B. Revisions to the perc application plan will need to occur to ensure that the area proposed can accommodate an initial septic and two replacement systems.

**Revision Comments for 2/3/23 submittal:**

1. A portion of the SDA is approx. 30 feet below contour for hole 5A and will need additional perc testing to establish area below the 502 ft. contour line.
  - A. We have proposed three new perc test locations (see attached)
  - B. We would like to abandon a portion of the previously approved SDA, any area lost will be gained if the three proposed test pits are successful. (see attached)
2. The SDA must maintain a minimum 20' setback.
3. The wells for the properties located at 5192 Green Bridge Rd & 6525 Mare Ct. need to be shown on the perc application plan.
4. Existing wells should show the tag numbers for record properties, and "no tag" wells should be identified/labeled appropriately on the plan.
5. General notes 2, 4 and 8 should state "Sewage Disposal Area" as opposed to "Sewerage Easement or Septic Easement Area."
6. General Note 4 should mention neighboring wells 200' downgradient in addition to the 100' setback. Please see Health Department guidelines for general site plan design, note specifically states, "Location of all neighboring wells and septic systems within 100 feet of the property boundaries as well as all wells or proposed well sites within 200 feet down gradient of the septic disposal area."
7. Should clearly identify septic on 5192, don't have to provide exact specs, but at least label area and put a note "septic >200' away."

Reviewed by MRE. 2/15

Edited & Reviewed by ZS. 2/17

## Eshenbaugh, Melanie

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**From:** Eshenbaugh, Melanie  
**Sent:** Friday, December 9, 2022 4:30 PM  
**To:** TRAINWITHBRAD@gmail.com; KATZOFFALEX@gmail.com  
**Cc:** Ron@RJArchitect.com; Silvast, Zackary  
**Subject:** Building permit # 22004344  
**Attachments:** Percolation Test and Plan Requirements.pdf

To whom it may concern,  
Building permit # 22004344 proposed description of work and floor plans submitted have been reviewed. Upon our review, there are no well & septic records showing the location of an existing Sewage Disposal Area (SDA) and we need to establish a 10,000 sq. ft. SDA for the property. In order to move forward with building permit, an engineered percolation plan and application will need to be submitted to the Howard County Health Department (HCHD), along with a fee for percolation testing. In doing so, the proposed addition with an increase in living space will establish an adequate sewage disposal area for the property. For further information please see the HCHD Well & Septic program webpage <https://www.howardcountymd.gov/health/well-septic-program> & attachment details. Thank you and have a nice weekend!

Melanie Eshenbaugh  
Bureau of Environmental Health  
Howard County Health Dept.  
8930 Stanford Blvd. Columbia, MD 21045  
[www.hchealth.org](http://www.hchealth.org)



### CONFIDENTIALITY NOTICE

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## Bernard, Dana

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**From:** Bernard, Dana  
**Sent:** Wednesday, November 01, 2017 11:48 AM  
**To:** Tony Fertitta (tonyf@fcc-eng.com)  
**Subject:** 5236 Green Bridge


Tony Per our conversation:

As it stands with your recent percolation certification submittal we cannot accept the plan as is. Additional percolation testing must occur to use the current area. Or you can revise the OSDS area around the percolation holes that were dug. And move the well to the other side of the house. If you have any questions don't hesitate to give me a call. I will be looking for a revised plan from you soon .

Thank you & Have a\*")

..\*")..\*")

Day!

  
Dana Bernard, R.E.H.S/L.E.H.S.  
Environmental Specialist II  
Bureau of Environmental Health  
Well and Septic Program  
Phone (410) 313-2775  
E-mail: [DBernard@howardcountymd.gov](mailto:DBernard@howardcountymd.gov)

## Bernard, Dana

---

**From:** Bernard, Dana  
**Sent:** Tuesday, August 29, 2017 11:24 AM  
**To:** 'Iqtedar Chaudhry'  
**Subject:** RE: 12632 Scaggsville Road

Confirmed for September 7, 2017

**From:** Iqtedar Chaudhry [<mailto:iqtedar1@gmail.com>]  
**Sent:** Thursday, August 24, 2017 1:17 PM  
**To:** Bernard, Dana  
**Subject:** Re: 12632 Scaggsville Road

*Home address  
5236 Greenbridge  
(site)*

Hi Dana,

I was following up to confirm the test date of September 7. I was able to confirm and sign a proposal with Hatfields Equipment for the percolation test. I have provided your contact information to Hatfields Equipment. The person I was in touch with is:

Tara Hatfield Sirk

Hatfields Equipment and Dedication Services, Inc.

PO Box 519

Annapolis Junction, MD 20701

301 490 4289 x 107

301 490 5794 Fax

Let me know if you have any other questions in the meanwhile. Thanks again!

Iqtedar

On Wed, Aug 23, 2017 at 11:06 AM, Iqtedar Chaudhry <[iqtedar1@gmail.com](mailto:iqtedar1@gmail.com)> wrote:

Hi Dana,

Thank you for your message. I am coordinating the date with Hatfields Equipment, Inc. for the percolation test. I am waiting to hear back if September 7th will work with them. If Hatfields is unavailable, I will reach out to another contractor, Freedom Septic Service. Do you have any recommendations for a contractor for the percolation test?

Once I hear back from Hatfields, I will provide you the contact information for the contractor. In the meanwhile, please let me know if you have any questions or concerns.

Regards,

Iqtedar  
240-205-9983

On Tue, Aug 22, 2017 at 7:04 PM, Bernard, Dana <[dbernard@howardcountymd.gov](mailto:dbernard@howardcountymd.gov)> wrote:

I have reviewed your percolation testing application and the first day I have available for percolation testing is September 7, 2017. Please confirm this date and send the contact information for the contractor who will be completing the job.

Thank you & Have a\*  
(,.' \* Wonderful Day !

Dana Bernard, R.E.H.S/L.E.H.S.

Environmental Specialist II

Bureau of Environmental Health

Well and Septic Program

Phone (410) 313-2775

E-mail: [DBernard@howardcountymd.gov](mailto:DBernard@howardcountymd.gov)

--  
Iqtedar Chaudhry

--  
Iqtedar Chaudhry

## Bernard, Dana

---

**From:** Bernard, Dana  
**Sent:** Tuesday, August 22, 2017 7:05 PM  
**To:** 'iqtedar1@gmail.com'  
**Subject:** 12632 Scaggsville Road

I have reviewed your percolation testing application and the first day I have available for percolation testing is September 7, 2017. Please confirm this date and send the contact information for the contractor who will be completing the job.

Thank you & Have a\*""  
,. ' ,. \*"" ) ,. \*""  
( ,. ' ( ,. ' \* Wonderful Day !

Dana Bernard, R.E.H.S/L.E.H.S.  
Environmental Specialist II  
Bureau of Environmental Health  
Well and Septic Program  
Phone (410) 313-2775  
E-mail: [DBernard@howardcountymd.gov](mailto:DBernard@howardcountymd.gov)

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Website: [www.hchealth.org](http://www.hchealth.org)  
Maura J. Rossman, M.D., Health Officer

Date: September 13, 2017

To: Applicant: Mr. Iqtedar Chaudhry  
Via E-Mail: [iqtedar1@gmail.com](mailto:iqtedar1@gmail.com)

CC: Fisher, Collins and Carter  
C/o Tony Fertitta

RE: **Percolation Testing Report**  
**5236 Greenbridge Road**  
**Dayton, Maryland 21036**

Mr. Iqteda Chaudhry,

Percolation testing was conducted on the referenced property on August 7, 2017. The purpose for conducting these percolation tests was for an anticipated establishment of a sewage disposal area for the existing lot. And to establish 10,000 square feet reserve area for the existing lot.

A total of seven (7) test holes evaluated and six (6) were found to be satisfactory with moderate percolation. Acceptable ranges for recommended inlet and trench bottom depth, and usable sidewall are indicated, and may be confirmed at the time of installation. Field data collected is shown on the Percolation Test Worksheet enclosed with this letter.

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. Areas that may be included in a septic reserve are represented by test locations having satisfactory soil conditions. The area of the septic reserve must be at least 10,000 square feet, though Howard County Code [3.805.A.2.X] requires that the area be large enough to accommodate an initial drain field and two repair drain fields for the planned residence.

The next step in this process is to submit a Percolation Certification Plan to confirm the design of the septic reserve areas. When designing your plan, please address the following:

- On percolation certification plan please show all structures on the property and all components of the existing septic system. (i.e. well and tank to be abandoned, etc.....)
- Your plan must contain all of the surrounding properties including the septic and wells.
- Please show and label all structures on property and label structures to be abandoned.

If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by telephone at (410) 313-2775.

Respectfully,

  
Dana Bernard, REHS/L.E.H.S.  
Environmental Specialist II

Enclosures

File

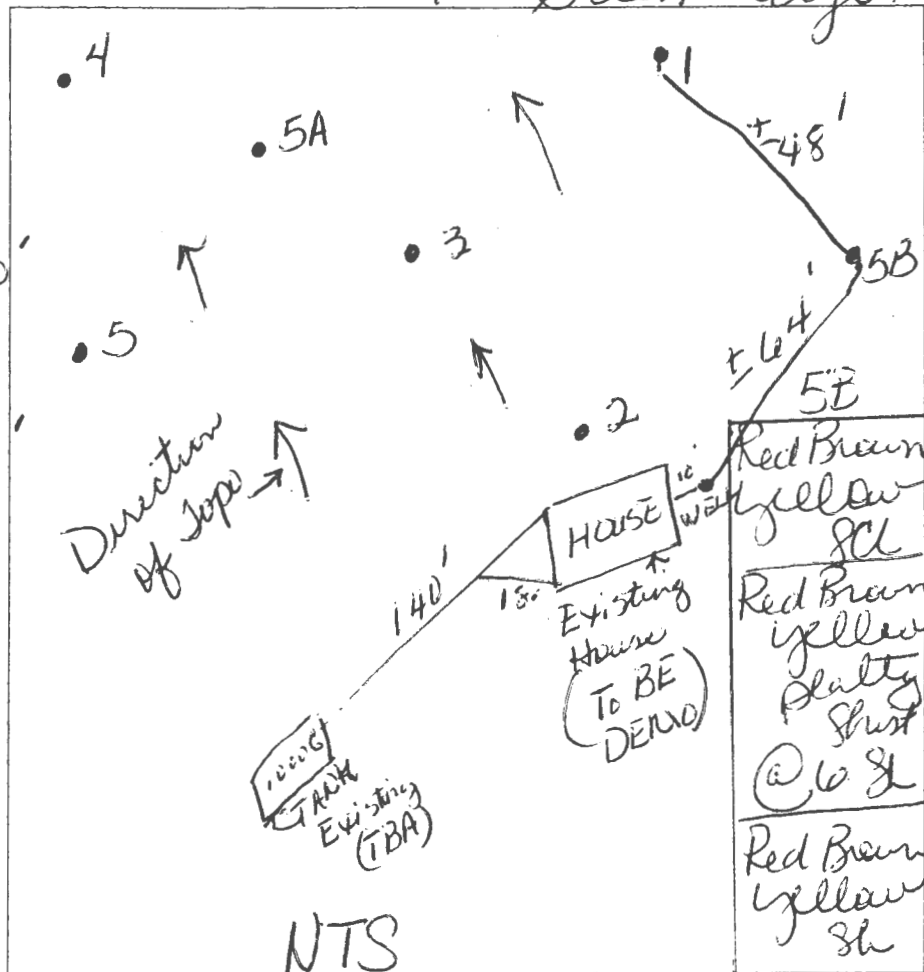
# 5236 Greenbridge Rd.

AP \_\_\_\_\_

#1  
 Red Brown  
 yellow  
 Sh  
 5.0'  
 Red Brown  
 yellow  
 Sh  
 7.0'  
 Red Brown  
 yellow  
 FSh  
 5-10%  
 Rk  
 4.1'

#2  
 Red Brown  
 yellow  
 Sh  
 many  
 mica  
 5.8'  
 Red Brown  
 yellow  
 Sh  
 Dense  
 many  
 mica  
 4.1'

#3  
 Red Brown  
 yellow  
 Sh  
 6'  
 Red Brown  
 yellow  
 Sh  
 5-10%  
 Rk  
 many  
 mica  
 14'



#4  
 Red Brown  
 yellow  
 Sh  
 5-10%  
 Rk  
 6'  
 Dense  
 Red Brown  
 Sh  
 ↓  
 11'

#5  
 Red Brown  
 yellow  
 Sh  
 3.1'  
 Red Brown  
 yellow  
 FSh  
 5-10%  
 Shist  
 @ 6.5'  
 ↓  
 14'

5A  
 Red Brown  
 yellow  
 Sh  
 5-10%  
 Rk  
 5'  
 Red Brown  
 yellow  
 Sh  
 5-10%  
 Rk  
 14.5'

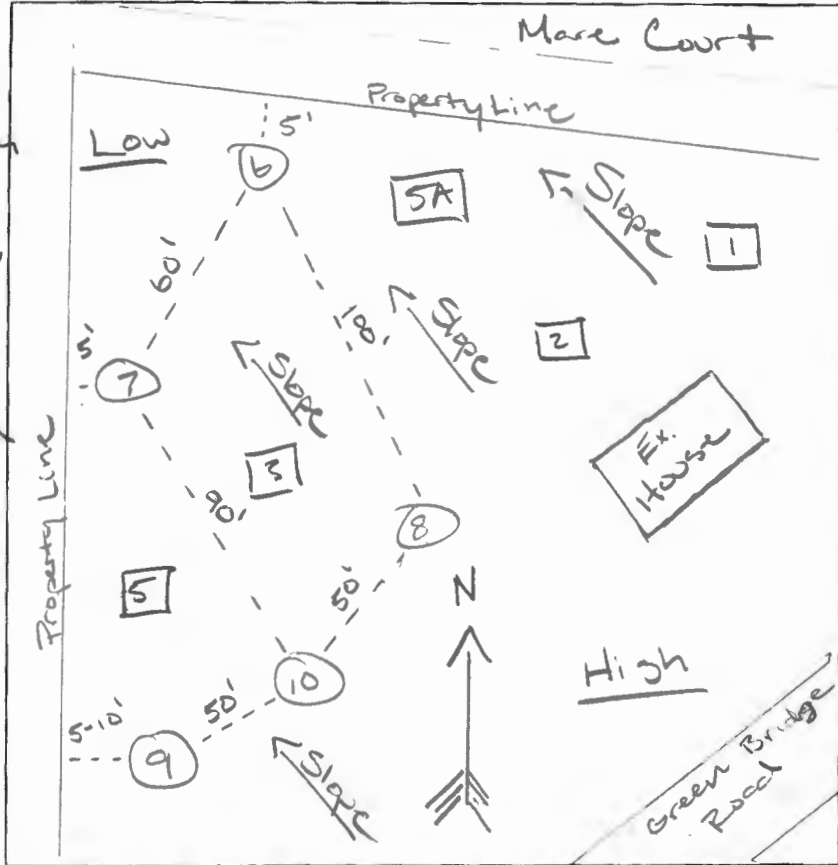
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9-7-17	1	6/14	10:51	11:00	11:07	7min	P
9-7-17	2	8/14	11:26	11:51	11:12	21min	P
9-7-17	3	7/14	1:10	1:14	1:18	4min	P
9-7-17	4	Clay	→	11'	→	F	
9-7-17	5	5/14	11:44	11:43	11:46	1min	—
		L Repair	11:46	11:49	11:51	3min	P
9-7-17	5A	6/14.5	12:51	12:58	1:10	13min	P
9-7-17	5B	7.5/14	1:49	1:52	1:53	7min	P

REMARKS: Well 10' from House (1000) gallon existing tank  
 SANITARIAN: D. Bernard BACKHOE: Hatfield OTHERS: Dennis (TBA)  
 TEST HOLES USED IN SDA: 5 AVG. PERC TIME: \_\_\_\_\_ SQ. FT/BR: \_\_\_\_\_  
 TRENCH WIDTH: \_\_\_\_\_ INLET DEPTH: \_\_\_\_\_ MAX. BOT DEPTH: \_\_\_\_\_ EFFECTIVE SW: \_\_\_\_\_

\* First set of trenches should be set near holes 1, 5B, 2.

AP A572772

12'  
 (7)  
 PB, Thick  
 Platy, Loam  
 EB, Thick  
 Platy, MFI,  
 SCL  
 ↓  
 Compacted  
 Greyish,  
 Thin Platy  
 SLS



(9)  
 Same  
 As  
 (8)

12'  
 (6)  
 Same  
 As  
 (7)

(10)  
 Same  
 As  
 (8)

(Test holes 9 + 10 added in field)

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
3/23/2023	7	5 / 12	8:30	Did not	not	Move	F
	6	7 / 12	9:00	9:25	SLOW		F
	7	7 / RS	9:05	9:30	SLOW		F
	8	4 / 13	9:29	9:32	9:37	5	P
	9	5 / 12	10:01	10:03	10:08	5	P
	10	5 / 12	10:11	10:13	10:16	3	P

13'  
 (8)  
 DB, Loam  
 SB, FSBL,  
 MFR, Loam  
 ↓  
 BY, Thin  
 Platy, FSBL,  
 Very fine  
 Mica

REMARKS (#) Percs done 9/7/2017, (#) Perc done 3/23/2023  
 SANITARIAN RSF BACKHOE Fogels OTHERS Matt (FCC)  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

5236 Green Bridge Rd



## Bureau of Environmental Health

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

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Date: March 27, 2023

To: Katzoff Palmer & Bradley Palmer  
5236 Green Bridge Rd.  
Dayton, MD 21036

Re: **Percolation Test Report**  
5236 Green Bridge Rd.  
Dayton, MD 21036

Percolation tests were conducted on March 23, 2023 at 5236 Green Bridge Rd. (Tax Map 28, Grid 13, Parcel 91). Tests and profile descriptions were documented for 5 test locations (6, 7, 8, 9 & 10). Only 3 out of the 5 passed (8, 9 & 10).

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. Areas that may be included in the septic reserve area are represented by test locations having satisfactory soil conditions. The areas must be at least 10,000sqft and large enough to accommodate 3 systems (initial and two replacements). 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 to the Health Dept. for review and signature.

Should you have any questions regarding this evaluation, please contact me. I may be reached at (410) 313-6357 or by email [rfreemon@howardcountymd.gov](mailto:rfreemon@howardcountymd.gov)

Respectfully,

A handwritten signature in black ink, appearing to read 'Robert Freemon', is written over a light blue horizontal line.

Robert Freemon  
Bureau of Environmental Health  
Well & Septic Program

Attachment: Percolation Field Notes