

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

Date: April 23, 2024

To: Matt Shipley
Via E-Mail: mshipley@clsimail.com

RE: **Percolation Testing Report**
14084 Barbara Circle
Tax Map 08; Parcel 203
Cooksville, MD 2172384

Matt,

Percolation testing was conducted on the referenced property on March 20, 2024. The purpose for conducting these percolation tests was for an anticipated establishment of a sewage disposal area for the existing lot. A total of four (4) test holes evaluated and one (1) was not tested because it was located under a concrete driveway and we did not have the equipment to access the final hole, which was #5. However, to establish a sewage disposal area for the existing lot we can use the data from the existing lot to submit a final percolation certification plan. Please understand you may use the existing trench to support your existing house. The existing septic tanks and drywell must be abandoned. 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.

Please note prior to building permit approval, the septic system must be upgraded, and a new tank must be installed. During installation test hole number 5 may be tested to confirm all percolation testing sites at the time of installation. If you have any questions or correspondence 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

Dana Bernard, REHS/L.E.H.S.
Environmental Specialist II
Well and Septic Program
File



Bureau of Environmental Health
 8930 Stanford Blvd | Columbia, MD 21045
 410.313.2640 - Voice/Relay
 410.313.2648 - Fax
 1.866.313.6300 - Toll Free

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

**APPLICATION
 FOR PERCOLATION TESTING AND SITE EVALUATION**

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME Villa Monticello - Lot 6

PROPERTY ADDRESS 14084 Barbara Circle Cooksville 21723
STREET TOWN ZIP

TAX ACCOUNT # 04-314964 TAX MAP 08 GRID 24 PARCEL 203 LOT NO. 6 PROPOSED LOT SIZE (ACRES) 1.13

ZONING CATEGORY RC-DEO TIER IV

PROPERTY OWNER(S) William Edward & WF Fisher

DAYTIME PHONE _____ CELL _____ EMAIL _____

MAILING ADDRESS 14084 Barbara Circle Cooksville 21723
STREET CITY, STATE ZIP

APPLICANT CLSI - Matt Shipley

RELATIONSHIP TO OWNER: Agent

DAYTIME PHONE 410-871-4480 CELL _____ EMAIL mshipley@clsimail.com

MAILING ADDRESS 439 E. Main Street Westminster, MD 21157
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 3 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.

M Shipley LEHS
 SIGNATURE OF APPLICANT

12/27/23
 DATE

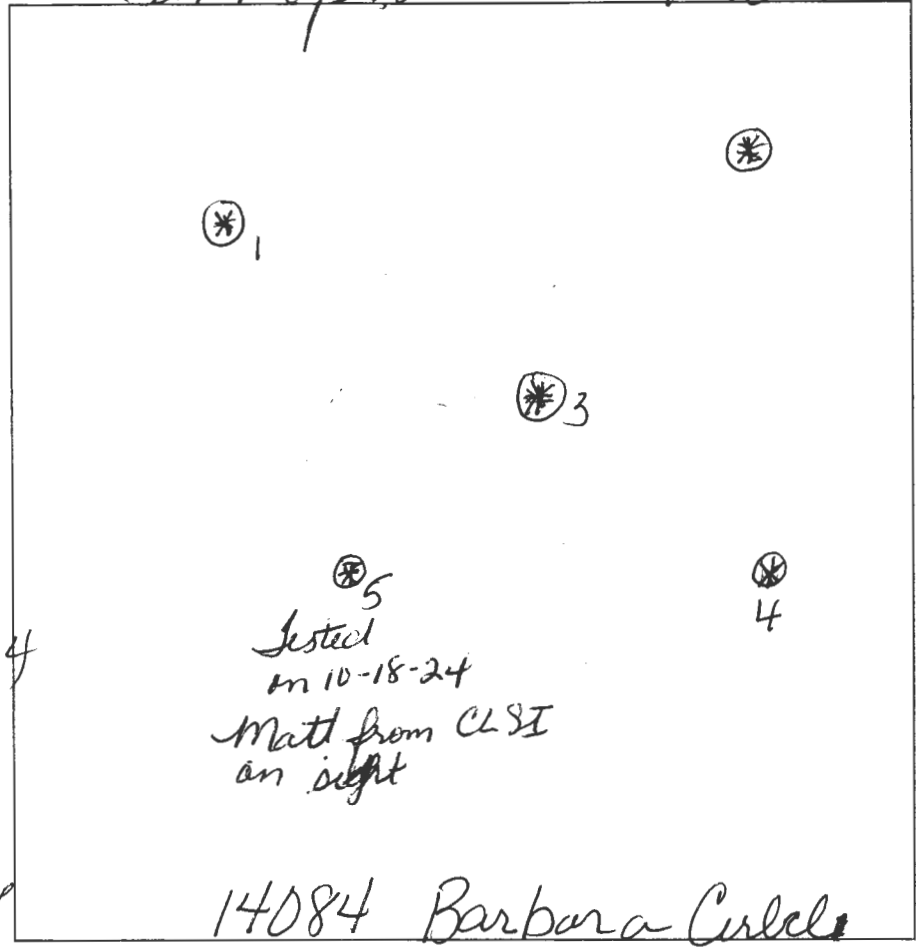
- In Map: 8

Parcel: 203

#4

A/P _____

#1
Red Brown
yellow
SCL
4
Red Brown
yellow
SL
Many
mud
5-10%
Rif
Red Brown
FSL
14'



Red Brown
yellow
SCL 3.8
Red Brown
yellow
SL
many
mud 6'
Red Brown
yellow
FSL 14'

#2
Red Brown
yellow
SCL 3.6
Red Brown
yellow
SL
5-10%
Rif
many
mud
Red Brown
yellow
FSL
14'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H	
3-9-24	#1	3/14	10:53	11:04	11:09	5 min	P	
3-9-24	2	4/14	11:19	11:26	11:37	7 min	P	
3-9-24	3	4.5/14	11:20	11:24	11:33	9 min	P	
3-9-24	#4	4/14	11:11	11:15	11:22	7 min	P	
3-9-24	5	Cannot Dig Located Under Drill ways						
10-18-24	#5	3.2/14	10:30	10:35	10:42	7 min	P	

#5 10-18-24
Red Brown
yellow
SCL 4'
Red Brown
SL
many
mud
5-10%
Rif 6'
Red Brown
yellow
FSL 14'

#3
Red Brown
yellow
SCL 3.5
Red Brown
yellow
SL
many
mud
5-10%
Rif
14'

REMARKS Can test hole #5 @ the time of installation
 SANITARIAN T. Bernard BACKHOE CLSI OTHERS Mr. Watkins
 TEST HOLES USED IN SDA 5 AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

Silvast, Zackary

From: Silvast, Zackary
Sent: Friday, January 26, 2024 4:37 PM
To: 'Matt Shipley'
Cc: Linda D. Alexander
Subject: regarding 14084 Barbara Circle (Lot 6) perc application plan
Attachments: SDA reconfigure proposal.jpg; 14084 Barbara Circle perc app plan revision comments.docx

To Whom It May Concern,

I have thoroughly reviewed this perc application plan and have attached our revision comments. (see above)

I have also attached a picture of an SDA reconfiguration. (see above) Just looking to expand and get the most use out of the area, the paved driveways are a big concern.

If you have any other questions, feel free to contact via e-mail or phone. Thank you and have a great weekend.

- ZS

Zack Silvast (LEHS)

Plan Review Supervisor - Water & Sewer Division

410-313-1777

Environmental Health Bureau

Howard County Health Department



439 East Main Street, Westminster, MD 21157-5539
v. 410.848.1790 ~ f. 410.848.1791

February 11, 2024

Howard County Health Department
Bureau of Environmental Health
8930 Stanford Blvd
Columbia, md 21045

Attn: Mr. Zack Silvast

RE: Villa Monticello – Lot 6
14084 Barbara Circle
CLSI Job No.: 2023296

Dear Mr. Silvast,

The following is a point-by-point response to your comment letter dated January 26, 2024.
Comments have been addressed as follows:

1. Two alternative well sites have been shown.
2. All visible well and septic components are shown on the plan. No septic permit information exist for 14085 or 14081 and contact with the property owners has been unsuccessful. Area within 10' of the property line on 14081 has been shown as potential repair area.
3. Proposed perc tests #4 and #5 will be conducted through the existing driveway. This portion of the driveway is to be removed in the future as well as the driveway entrance extending from Monticello Drive. Any paving within the proposed Sewage Disposal Area (SDA) and the paving extending back to the existing garage and sheds is to be removed.
4. Existing paved roads and driveways are shown.
5. The existing well that is not in use will be properly sealed and abandoned.
6. Proposed perc test #1 has been slightly relocated so as not to interfere with existing trees / roots.
7. The existing tank and seepage pit are to be abandoned and sealed. If permitted by Howard County Health Department, the property owner would like to request to continue to use the existing permitted deep trench. If the request is denied the existing deep trench will also be abandoned.
8. The purpose statement has been revised.
9. The proposed addition has been shown.
10. Existing sheds will be razed pending passing percolation tests. Percolation testing will be conducted next to the existing shed.
11. All houses have been labeled with address numbers.
12. All septic components have been labeled.
13. Repair perc tests have been shown in the legend.



We look forward to your approval. Should you have any questions, please do not hesitate to contact our office.

Sincerely,

M Shipley, LEHS

Matthew Shipley, LEHS
Associate / Project Manager

c: Linda Alexander, Senior Associate / Senior Project Manager

Client

File

U: MShipley\Response letters\ Response letter.docx

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

January 26th, 2024

TO: CLSI
RE: 14084 Barbara Circle (Villa Monticello – Lot 6)

To Whom It May Concern,

There are several key revisions and concerns to address with this property's perc application plan. Please see below.

1. Need to show two alternative well sites.
2. Need to show neighboring property's well and septic for: 14085 & 14081 Monticello Drive.
 - a. Need to show more than cleanouts.
3. I attempted to move around some of the perc holes to maximize the area.
 - a. I don't know how we're expected to conduct excavation at proposed perc pit #5 & possibly #4.
4. Need to clearly label all paved driveways and roads.
5. HO-73-1004 needs to be properly sealed & abandoned.
6. Can proposed perc hole #1 even be dug at its location? We do not dig in tree roots and need access.
7. Are they keeping or abandoning existing septic system?
 - a. Repair conducted was for a three bedroom house only.
8. Need a more descriptive purpose statement.
9. Need to show where the addition is going.
10. Will building be razed prior to perc testing?
11. Label all houses with digit address number.
12. Label tank accurately and label drainfield length appropriately.
13. Label A & B as repair perc tests in legend.

Thank you for your time and consideration. We look forward to your re-submittal.

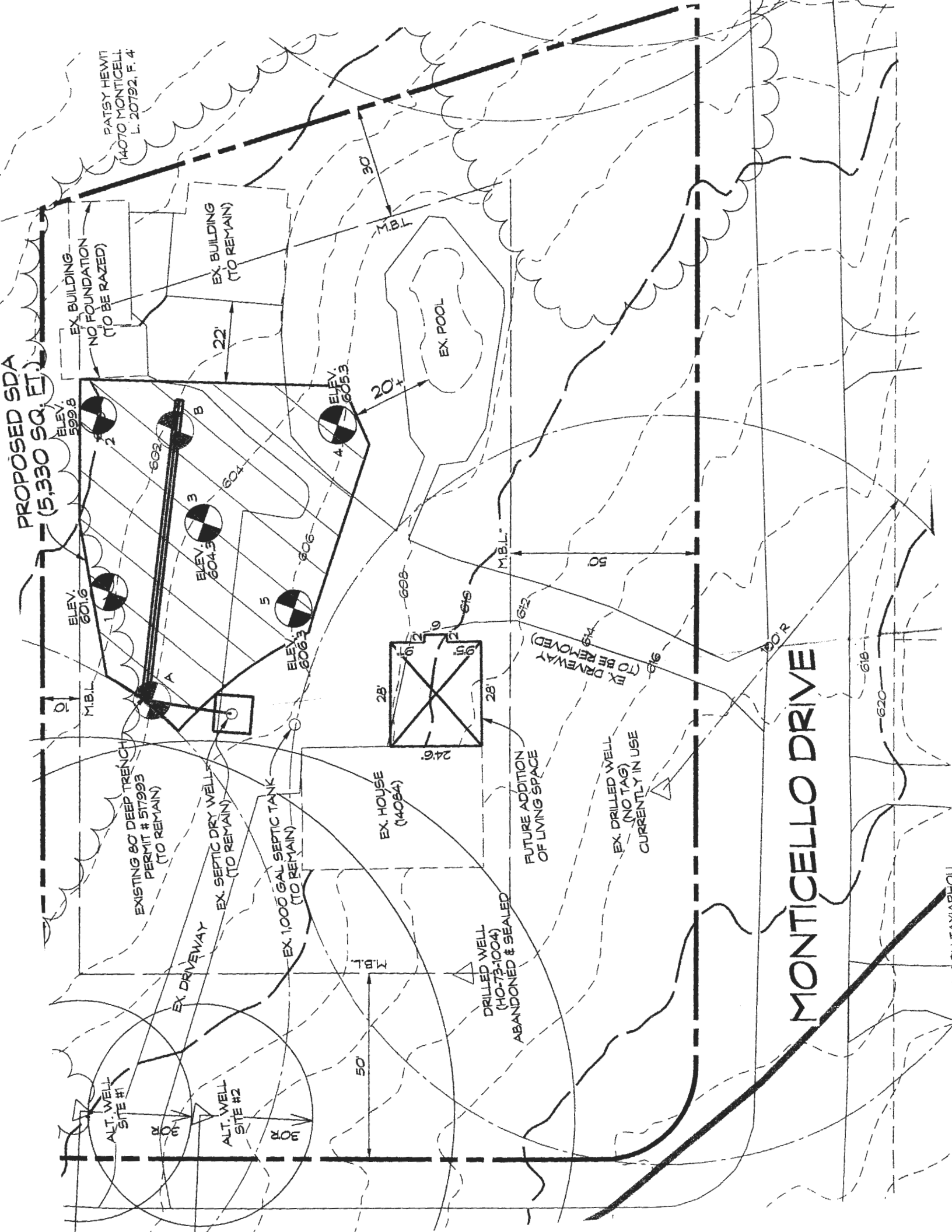
Zack Silvast (LEHS)

*Plan Review Supervisor - Water & Sewer Division
410-313-1777*

Environmental Health Bureau
Howard County Health Department

PROPOSED SDA
(5,330 SQ. FT.)

PATSY HEWIT
14070 MONTICELLO
L. 20792, F. 4





Office of the Health Officer

8930 Stanford Drive, MD 21045

Main: 410-313-6300 | Fax: 410-313-6303

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Maura J. Rossman, M.D., Health

DATE: August 1, 2024

TO: Matt Shipley

Via E-mail: mshipley@clsimail.com

RE: **Percolation Certification Plan Proposal**
14084 Barbara Circle, Lot #6
Cooksville, MD 21723

Mr. Shipley,

I have received and reviewed your proposal for 14084 Barbara Circle. I have listed the revised requirements for the plan below:

Revised Percolation Certification Plan

1. During the testing process hole #5 was located under the driveway and Mr. Watkins and I agreed the hole will be tested during the installation of the new system. When submitting the proposed percolation certification plan Matt stated, "The existing portion of the driveway is to be removed in the future." This information should be stated in the general notes. We cannot approve the percolation certification plan without testing or the intent to test. We tested under the assumption as stated in original proposal it will be tested in the future. As it stands, we do not have a complete area. And this needs to be rectified prior to percolation certification approval. Additional testing will be required if you decide to use the existing system.
2. Based on the initial percolation certification plan proposal the existing tank and seepage pit are to be abandoned and sealed. Your current proposal shows the system as being used. **If this is so, additional testing will be required.** If the systems cannot fit or 10,000 square feet cannot be achieved through revision, you will be required to use a BAT system. If you need to show the trench calculation on the plan to prove the trenches will fit, make sure you allow 10 feet between the trenches. If this is a lot of record it must state so and explained in the general notes with the standard statement.
3. The initial proposal stated the existing tank and existing septic components will be abandoned. Please label them "to be abandoned". **If they are not to be abandoned additional testing will be required to establish an area.**

4. Purpose Statement for the percolation certification plan. (i.e., Building Permit, Percolation Testing, Upgrade, etc. Because your initial proposal showed an addition and if something has changed it must be communicated.
5. You can adjust your septic area with a 5-foot variance to help with increasing your septic area. A variance will be required to allow this adjustment. Your variance request will be accepted in the form of a written request.
6. The proposed addition was shown on the original proposal and must be shown on the revised plan. And if the addition is not going to be completed additional testing will be required to establish an area. **Percolation testing was completed based on the proposal of an addition as stated in your original proposal.**
7. The well to be abandoned must be abandoned prior to percolation certification approval.
8. If you intended on keeping the existing septic system, the drywell should have been inspected and testing should have occurred on the day of testing. Your percolation certification plan proposal did not state your intentions was to keep the drywell. If this was the case additional testing would have been required.
9. Line 4 in your general notes cannot be used. This property must be field run and verified by the engineering firm who submits the proposal and must state so in the general notes.

Overall, the conclusion, **if you intend on keeping the existing septic system additional testing must occur.** If you plan on proceeding with your initial proposal which includes the addition, we will need to adjust the percolation certification plan to accommodate your choice. Which means adding general notes and other information to support your decision.

If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775. If you would like to schedule a time to discuss this project we can, however I think it is just a manner of choosing which direction you intend on moving forward.

Respectfully,

Dana Bernard

Dana Bernard, REHS/RS
Environmental Specialist II
Well and Septic Program
Phone (410) 313-2775

Bernard, Dana

From: Matt Shipley <mshipley@clsimail.com>
Sent: Tuesday, November 26, 2024 1:12 PM
To: Bernard, Dana
Cc: Jeff Smith
Subject: RE: Percolation Certification

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

Hey Dana!

I just had a quick chat with Jeff. We are both good with the note and I would greatly appreciate it if you could add that note for us. Thank you!

Matt Shipley, L.E.H.S.
Associate / Project Manager



410-871-4480 (Direct)
443-398-4478 (Cell)
439 E. Main Street
Westminster, MD 21157

From: Bernard, Dana <dbernard@howardcountymd.gov>
Sent: Tuesday, November 26, 2024 11:48 AM
To: Matt Shipley <mshipley@clsimail.com>
Cc: Jeff Smith <jefsmith326@gmail.com>
Subject: Percolation Certification

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Good Morning Matt,

The assistant director is requiring we add a note prior to signature. The note he wants to add states the drywell must be upgraded to current construction standards (Howard County Code 3.812) prior to Health Department approval of your building permit. This will be an easy fix for you and will consist of adding a perforated pipe and filling the drywell with stone. My question to you is, can I add the note for you so I can get it signed?

Thanks

Dana Bernard, LEHS
Environmental Health Specialist II

Howard County Health Department
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410-313-2775 office
www.hchealth.org
Social Media: @hocohealth

