

HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.
COUNTY HEALTH OFFICER



Bureau of Environmental Health
3525 Ellicott Mills Drive
Ellicott City, Maryland 21043

Director - 461-9956
Water & Sewerage, Permits - 461-9933
Community Environmental Health - 461-9944
Technical Services - 461-9955

May 16, 1988

Mr. Clyde McPherson
3200 Daisy Road
Woodbine, Maryland 21797

RE: Percolation Testing
Former Byong Yoo Property
Tax Map 20 Parcel 122
Daisy Road

Dear Mr. McPherson:

Percolation testing conducted April 25, 1988 on the above referenced property indicated satisfactory soil conditions.

Approval is contingent upon submission by a registered engineer of a plat showing certified test hole locations and a suitable house and well site.

This should be submitted within sixty (60) days to allow field verification if necessary.

If you have any questions regarding this matter, please feel free to contact me at the above address or by calling 461-9933.

Very truly yours,

Craig Williams, Director
Water and Sewerage Program

CW:JR

cc: Tax Assessment Office

APPLICATION

PERCOLATION TESTING

A 41115
4115

P _____

DISTRICT 4TH

DATE 3-3-88

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE 461-9933

*Preliminary
4-25-88
11:30 AM*

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM

PROPERTY OWNER Remembrance Bibles, Inc.

✓ ADDRESS 7357 Hallmark Rd Clarksville, MD ²¹⁰²⁵ PHONE 301-776-2941

PROSPECTIVE BUYER Clyde + Niva McPherson

✓ ADDRESS 3200 Daisy Rd Woodbine, MD ²¹⁹⁹⁷ PHONE 301-854-6708

✓ PROPERTY LOCATION:

SUBDIVISION Dist 04 MAP 20 Grid 6 Parcel 122 ²¹⁹⁹⁷ LOT NO Liber 1777 FOLIO 455 ^{Road Rpt.}

ROAD AND DESCRIPTION 3200 Daisy Road Woodbine, MD

TAX MAP 13/28 PARCEL # P/O (ADJ?) TO P. 128
(WARFIELD)

SIZE OF LOT .998A TYPE BLDG S.F.D.
(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.

Mary A. Barnes, President
Remembrance Bibles, Inc.
(SIGNATURE OF APPLICANT)

APPROVED BY Craig W. [Signature] FOR Testing DATE 3/1/88

REJECTED BY _____ FOR _____ DATE _____

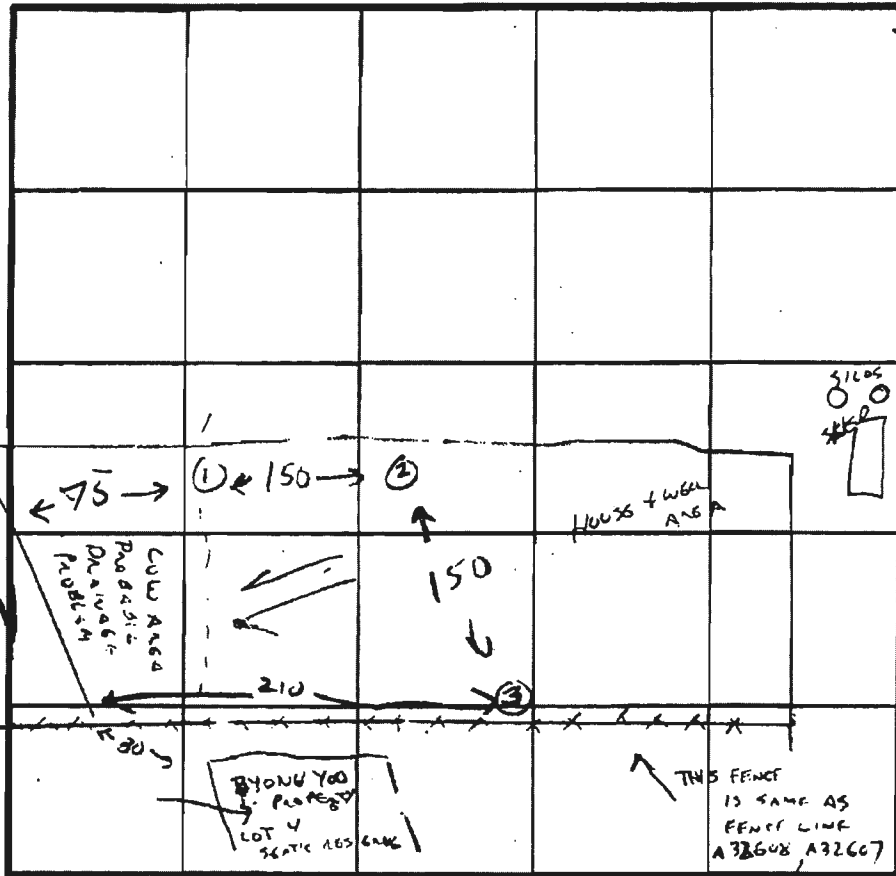
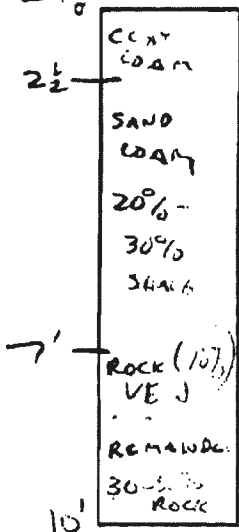
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

HD-216

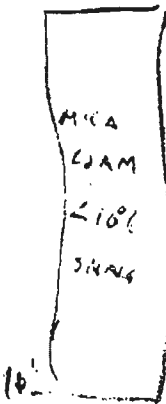
THIS IS NOT A PERMIT

#1 SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

#2 & 3

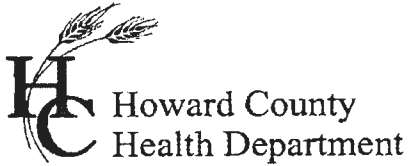


DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4/25/51	1	3	2:45	2:49	2:49	2:57	8 M.J	
		9	ROCK AT 7', REFUSAL AT 9'					
	2	3	3:02	3:05	3:05	3:12	7 M.J	
		11 1/2	VISOK LOAM					
	3	3	3:14	3:18	3:18	3:24	6 M.J	
		12	VISOK LOAM					

REMARKS SOILS OK, PLAT REQUIRED - SEE ALSO TEST NOTES A32608, 32607 OF 4/28/51

TYPE OF SOIL MICA LOAM ROCK IN LOWER PORTION OF PROFILE

TESTED BY C. W. [Signature] ALSO PRESENT SIAK, McPAGE [Signature]



Bureau of Environmental Health
7178 Gateway Drive Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
Website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

Date: May 4, 2012

To: Pro Built Construction Inc.
C/o Bruce Bates, Via E-mail: brucebates6@verizon.net
13330 Clarksville Pike
Highland, Maryland, 21029

RE: **Percolation Testing Report, 3190 Daisy Road, Tax Map 20, Parcel 122**

Mr. Bates

Percolation testing was conducted on the referenced property on May 30, 2012. The purpose for conducting these percolation tests was to delineate a septic reserve area for an anticipated establishment of a sewage disposal area and to establish a new septic area for an existing lot.

Soil conditions observed were **satisfactory** for onsite wastewater treatment and disposal. A total of five (5) test holes evaluated were found to be satisfactory with moderate percolation rates. 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 Worksheets 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 area. 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
Dana Bernard, REHS/RS
Environmental Sanitarian
Well and Septic Program

Enclosures (2)
CC: File

RAZTEC ASSOCIATES, INC

Civil Engineers

Land Planners

September 15, 2023

Mr. Dana Bernard
Howard County
Health Department
8930 Stanford Dr, MD 21045
Blvd.

RE: 3190 Daisy Road
SGP-23-063

Dear Ms. Bernard:

We have received your comments and have updated our plans. We offer the following responses:

1. **Note 4 is not clear. You must state the purpose of the Percolation Certification Plan.**
2. **Note 6 and 7 cannot be used consecutively on the plan. Only use the statement which applies to your specific property.**
Note 7 was removed.
3. **Topography must be shown.**
Existing topography made darker on the plan.
4. **Manufacture name and a schematic drawing of the tank to be installed shown.**
Manufacturer name and schematic drawing of the septic tank added.
5. **With the installation of new trenches, we should show your calculations.**
Septic calculations added.
6. **Show wells and septic for the surrounding wells.**
Surrounding wells and septic are added to the plan.
7. **The area shown for the septic area must be adjusted. It cannot be approved as shown. The area past percolation holes 2,5, and 4 cannot be used because we do not have a percolation hole to verify the area can be used. Your area must include percolation hole number 6 to complete the total number of passed holes needed. If you would like to use any part of this area you will have to do additional testing to verify the area.**
The septic area revised per comment to include percolation hole number 6.
8. **Remember it must be 10,000 square feet. Or you must include an initial system and 2 replacements. You must show calculation to prove the systems will fit.**
Revised septic area is 10,000 sf and calculations were added.
9. **Show the septic components and pool location equipment. Also show where you are going to place the building materials for your pool. The septic area is restricted, and you cannot place your building materials in the septic area.**
These locations have been added to the plan.
10. **Existing wells need to show tag numbers.**
Existing well tag number added to the plan.
11. **Show soil units on the plan.**
Soil type line added to the plan.

3451 Emy's Place, Monrovia, MD 21770. Tel (301) 775-4394
mike@raztecengineers.com

RAZTEC ASSOCIATES, INC

Civil Engineers

Land Planners

12. The well needs to be at least 50 feet from the stormwater inlet grate at the front of the driveway.

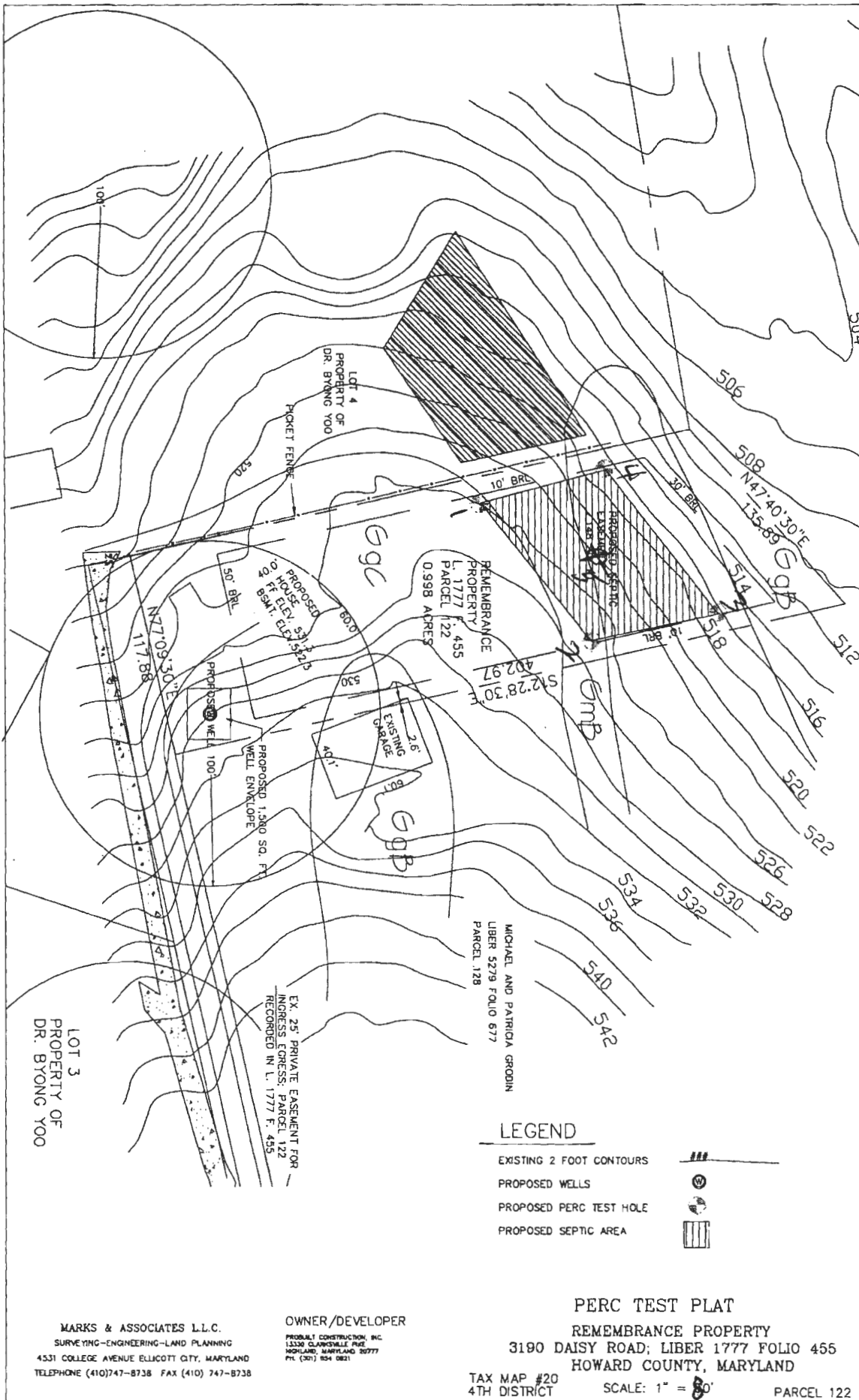
Well box moved to provide 50' from stormwater inlet grate at the front of the driveway.

We hope all comments are adequately addressed. Please call this office, should you require further information.

Yours Truly,
Raztec Associates, Inc.

m Razavi

Mike Razavi, P.E



LOT 3
PROPERTY OF
DR. BYONG YOO

EX. 25' PRIVATE EASEMENT FOR
INGRESS/EGRESS; PARCEL 122
RECORDED IN L. 1777 F. 455

MICHAEL AND PATRICIA GRODIN
LIBER 5279 FOLIO 677
PARCEL 128





REMEMBRANCE
PROPERTY
L. 1777 F. 455
PARCEL 122
0.998 ACRES

PROPERTY OF
DR. BYONG YOO

MARKS & ASSOCIATES L.L.C.
SURVEYING-ENGINEERING-LAND PLANNING
4531 COLLEGE AVENUE ELLICOTT CITY, MARYLAND
TELEPHONE (410)747-8738 FAX (410) 747-8738

OWNER/DEVELOPER
PROBALT CONSTRUCTION, INC.
13330 CLARKSVILLE PIKE
ROCKLAND, MARYLAND 20877
PH (301) 854 0821

LEGEND

- EXISTING 2 FOOT CONTOURS 
- PROPOSED WELLS 
- PROPOSED PERC TEST HOLE 
- PROPOSED SEPTIC AREA 

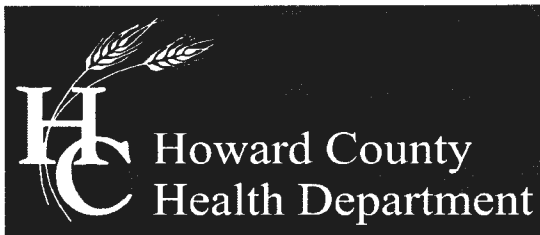
PERC TEST PLAT

REMEMBRANCE PROPERTY
3190 DAISY ROAD; LIBER 1777 FOLIO 455
HOWARD COUNTY, MARYLAND

TAX MAP #20
4TH DISTRICT

SCALE: 1" = 80'

PARCEL 122



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 Officer

DATE: February 1, 2024

TO: Mike Razavi (Applicant)

Via E-mail: mike@raztecengineers.com

RE: **Percolation Certification Plan**

3190 Daisy Road

Woodbine, MD 21797

Mike,

Due to recent legislative changes, individuals who provide on-site wastewater services in the State are subject to newly established licensing requirements. This would include any septic installer, septic pumper, septic hauler, **septic designer**, property transfer inspector, plumber, operation and maintenance provider, BAT installer, sand mound certified contractor and at-grade certified contractor providing a wastewater service **anywhere in the State of Maryland**. The Board was established during the summer of 2023 and enforcement started in the Fall of 2023 to give applicants time to register and adjust to the legislative changes.

At this time, I do not see you or your company registered with the State of Maryland to Perform On-Site Wastewater Services in the State of Maryland. Therefore, I cannot accept an OSDS plan from you or your company. When reviewing your OSDS plan I completed my final check to see if you were on the list and this is when I discovered you and your company was not on the list.

The On-Site Wastewater Board can be contacted to establish licensing requirements. If you have additional questions or would like more information, please contact the Wastewater Permits Program, Onsite Systems Division at 410-537-3778.

However, I will send revisions needed so you and your client can decide on how to move forward with your OSDS plan.

Onsite Sewerage Disposal System Plan

(Completed by a licensed engineer who is registered with the State of Maryland to Perform On-Site Wastewater Services in the State of Maryland)

1. When submitting your OSDS must be submitted by a **licensed engineer who is registered with the State of Maryland to Perform On-Site Wastewater Services in the State of Maryland.**

Note: I have attached the Sewage Disposal Plan Requirements for Howard County for the convenience of the preparer.

2. Show the existing septic components and label them "to be abandoned".
3. Label test holes and show elevations.
4. Show the existing septic components and label them "to be abandoned". Show existing tank, trenches, and D-Box.
5. The tank schematic shown cannot be used according to our current regulations. We have not worked with old castle precast and when I tried to visit the website to see what products and services they supply, the site was not available. We use tank providers who design tanks according to our regulations. A few companies we use is Mayor Brothers, Backriver Precast, and Babylon Precast. Please note I am not recommending them, however I wanted to give you an idea of which companies we normally work with.

Note: I have attached the Howard County Regulations for the convenience of the preparer. Visit Sec 3.810 and review (c.) Septic Tank Construction and (d.) Septic Tank Installation Requirements.

Once the **Revised Percolation Certification Plan** is submitted by your **engineer who is registered with the State of Maryland to Perform On-Site Wastewater services**, it will be reviewed. Once your **Revised OSDS** is approved **your septic system must be upgraded before the release of the building permit.**

Your building permit will be placed "on hold" until all Health Department requirements are met. If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775.

Respectfully,

Dana Bernard

Dana Bernard, REHS/RS

Environmental Specialist II

Well and Septic Program

Phone (410) 313-2775



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 Officer

DATE: October 27, 2023

TO: Mike Razavi (Applicant)

Via E-mail: mike@raztecengineers.com

RE: **Percolation Certification Plan**
3190 Daisy Road
Woodbine, MD 21797

Mr. Razavi,

I have spoken with the assistant director, and he reviewed your plan with the following commits. Please revise and resubmit.

- We are not requiring 10,000 square feet because this lot is a lot of record. The area shown for the septic must be adjusted. Cut off the edge of the septic area at percolation holes 2, and 4.
- Cut off above percolation hole number 6 to utilize the area to make sure you are within the required setbacks.
- We are not requiring 10,000 square feet because this lot is a lot of record. However, in the notes state you will provide information on the OSDS support the area which will include initial system and 2 replacements. Along with calculation to prove the systems will fit.
- There are 2 storm drain inlets in the front yard less than 50 feet from the well box. If the drains are located inside the curbed driveway, you're ok. And you're ok only if the driveway has a curb.

Once the **Revised Percolation Certification Plan** is submitted, it will be reviewed. After approval of your Revised Percolation Certification Plan, an OSDS plan must be submitted prior to building permit approval.

Your building permit (B23001666) will be placed "on hold" until all Health Department requirements are met. If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775.

Respectfully,

Dana Bernard 

Dana Bernard, REHS/RS
Environmental Specialist II
Well and Septic Program

Due Date Nov 7, 2023

Date HO Signed Off _____

Date Sent to DPZ _____

PLAT TRANSMITTAL SHEET

TO: Mike Davis, Bureau Director
FROM: Elena Bernard
DATE: Oct. 25, 2023
RE: PLAT# HC
PROJECT NAME 3190 Daisy Road
OF BUILDABLE LOTS _____
OF NON-BUILDABLE LOTS _____

Please find 3 paper copy(s) _____ mylar(s) for your:

- Review
- Review and Signature
- Review to Well and Septic Program
- Pending Building Permit

- Cut off at line shown by 2+4. They don't need 10,000, so cut off above to any area not needed for 3 systems
- I missed seeing 2 storm drain inlets on front yard (circled on plan) less than 50' to well box. If they are located inside curbed driveway, they're OK, but only if driveway has curb.
- Don't need tank detail or trench specs on PC, they can just show trenches + add note that details of OSDS showing how 3 systems AF will be on OSDS plan

Due Date _____

Date HO Signed Off _____

Date Sent to DPZ _____

PLAT TRANSMITTAL SHEET

not in Accella
?

TO: Mike Davis, Bureau Director

FROM: Dana Bernard

DATE: 8-23-23

RE: PLAT# 3190 Daisy Road

PROJECT NAME PC

OF BUILDABLE LOTS 1

OF NON-BUILDABLE LOTS _____

Please find 3 paper copy(s) _____ mylar(s) for your:

Review

Review and Signature

Review to Well and Septic Program

Pending Building Permit

- we can't approve this area as shown.
25' from facility hole is not a thing. There
are no possibly holes below 4 to
justify lower area. 2012 unsigned SC had
area pinned in that could work if it is tweaked to
meet side lot line setback.

- well box needs to be at least 50' from stormwater inlet
grade at front of driveway

- needs soil units on plan

- needs neighboring wells/septics

- ~~or~~ well needs box # label

- note 4 needs actual purpose statement
need to pick between notes 6 and 7

Need
Additional
Testing

Bernard, Dana

From: Bernard, Dana
Sent: Tuesday, October 17, 2023 3:44 PM
To: mike raztecengineers.com
Cc: yomiakinbode1@hotmail.com
Subject: RE: 3190 Daisy-Percolation

Good Afternoon Mike,

I did speak to the homeowner and we are going to need additional testing near the failed hole # 3 to confirm the area you are proposing. I did state that you will have to be 25 feet away from the failed area, however you will have to confirm any area beyond 25 feet if you plan to use the area. When testing hole number 6, I thought you were going to use that area to make up for the area near the failed hole #3. This information has been shared with the assistant director and these are our options:

1. Complete additional percolation testing to confirm the area near the failed hole #3.
2. Rearrange the existing area and trenches to include test hole #6 as part of your septic area. Please remember we need to show 10,00 square feet.

If you have any questions don't hesitate to send me an email. I will respond promptly because I know you and the homeowner are ready to move forward.

Thanks
Dana

From: mike raztecengineers.com <mike@raztecengineers.com>
Sent: Friday, October 13, 2023 4:05 PM
To: Bernard, Dana <dbernard@howardcountymd.gov>
Subject: re: 3190 Daisy-Percolation

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

Dana

I understand that you have talked to the owner of the referenced site and he tells me that you have corrections you need to be made. However, I have not received any comments from you. Please send them so we can make the needed changes.

Mike Razavi, PE
(301) 775-4394

RAZTEC ASSOCIATES, INC

Civil Engineers

Land Planners

Sent from [Mail](#) for Windows

From: mike@raztecengineers.com
Sent: Tuesday, August 29, 2023 4:28 PM
To: [Peyman Gohari](#)
Subject: FW: 3190 Daisy-Percolation

See comments for Daisy Perc Plat

Mike

Sent from [Mail](#) for Windows

From: [Bernard, Dana](#)
Sent: Tuesday, August 29, 2023 4:26 PM
To: mike@raztecengineers.com
Cc: [Silvast, Zackary](#)
Subject: RE: 3190 Daisy-Percolation

Good Afternoon Mike,

I have several items that need to be corrected on the percolation certification plan. Please see the attached. If you have any questions don't hesitate to send me an email.

Thanks
Dana

From: mike@raztecengineers.com <mike@raztecengineers.com>
Sent: Tuesday, August 29, 2023 2:05 PM
To: Bernard, Dana <dbernard@howardcountymd.gov>
Cc: Silvast, Zackary <zsilvast@howardcountymd.gov>
Subject: RE: 3190 Daisy-Percolation

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

Hello Dana

I wanted to follow up on the Percolation Certification plat we submitted over three weeks ago. Please provide an update.

Thanks

Mike Razavi, PE
(301) 775-4394

RAZTEC ASSOCIATES, INC

Civil Engineers

Land Planners

Sent from Mail for Windows

From: Bernard, Dana
Sent: Monday, August 7, 2023 9:11 AM
To: mike@raztecengineers.com
Cc: Silvast, Zackary
Subject: RE: 3190 Daisy-Percolation

Good Morning Mike,

I received your plans and will get back to you with a review.

Thanks
Dana Bernard

From: mike@raztecengineers.com <mike@raztecengineers.com>
Sent: Thursday, August 3, 2023 3:42 PM
To: Bernard, Dana <dbernard@howardcountymd.gov>
Cc: [Silvast, Zackary](mailto:zsilvast@howardcountymd.gov) <zsilvast@howardcountymd.gov>
Subject: RE: 3190 Daisy-Percolation

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

Dana

I dropped off three copies this afternoon.

Mike Razavi, PE
(301) 775-4394

RAZTEC ASSOCIATES, INC

Civil Engineers

Land Planners

Sent from Mail for Windows

From: [Bernard, Dana](#)
Sent: Thursday, August 3, 2023 11:45 AM
To: mike@raztecengineers.com
Cc: [Silvast, Zackary](#)
Subject: Re: 3190 Daisy-Percolation

Good Morning Mike,

You must submit 3 copies of your percolation certification plan directly to our office. We do not accept them through email.

Thanks
Dana

Get [Outlook for iOS](#)

From: mike@raztecengineers.com <mike@raztecengineers.com>
Sent: Wednesday, August 2, 2023 3:49:07 PM
To: Bernard, Dana <dbernard@howardcountymd.gov>
Cc: [Silvast, Zackary](#) <zsilvast@howardcountymd.gov>
Subject: RE: 3190 Daisy-Percolation

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

Dana

Attached is the Percolation Certification Plat prepared for this project, for your review.

Thanks

Mike Razavi, PE
(301) 775-4394

***R*AZTEC ASSOCIATES, INC**

Civil Engineers

Land Planners

Sent from [Mail](#) for Windows

From: [Bernard, Dana](#)
Sent: Wednesday, July 5, 2023 12:16 PM
To: mike@raztecengineers.com
Cc: [Silvast, Zackary](#)
Subject: FW: 3190 Daisy-Percolation

Good Afternoon Mike,

I am just reaching out to make sure you understand what is needed to move forward with your building permit. After percolation testing occurred we never received a percolation certification plan. And we will need that plan and an OSDS plan to move forward. If you have any questions don't hesitate to give me a call .

Thanks
Dana Bernard

From: Bernard, Dana
Sent: Friday, June 2, 2023 2:34 PM
To: mike raztecengineers.com <mike@raztecengineers.com>
Subject: RE: 3190 Daisy-Percolation

Mike,

The percolation certification you are presenting is not signed by the health officer. Therefore as Hank stated we need to get a signed percolation certification plan. Does Marks and Associates have a copy of the signed percolation certification plan?

Dana Bernard

From: mike raztecengineers.com <mike@raztecengineers.com>
Sent: Friday, June 2, 2023 1:01 PM
To: Bernard, Dana <dbernard@howardcountymd.gov>
Cc: seunowo@proactivedbs.com; Peyman Gohari <pg4301350@gmail.com>
Subject: re: 3190 Daisy-Percolation

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

Dana

Following our phone conversation of this morning, I found the records that Hank has sent. As stated in the letter you issued in 2012, testing done in 2012 was satisfactory. Therefore, no further testing was required. Also the attached file (**PDF WS_DaisyRoad_3190**), has your 2012 approval letter, the test results, and the Percolation Certification Plat by Marks and Associates.

The architected is copied here.

Please advise.

Thanks
Mike Razavi, PE
(301) 775-4394

RAZTEC ASSOCIATES, INC

Civil Engineers

Land Planners

Sent from Mail for Windows

Bernard, Dana

From: Bernard, Dana
Sent: Tuesday, October 17, 2023 3:53 PM
To: mike raztecengineers.com
Cc: yomiakinbode1@hotmail.com
Subject: FW: 3190 Daisy-Percolation

Mike,

As you work on redesigning your plan. I will review once again to make sure there are no more revisions needed. Let me know what you decide and how you would like to move forward.

Thanks
Dana

From: mike raztecengineers.com <mike@raztecengineers.com>
Sent: Friday, October 13, 2023 4:05 PM
To: Bernard, Dana <dbernard@howardcountymd.gov>
Subject: re: 3190 Daisy-Percolation

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(301) 775-4394

RAZTEC ASSOCIATES, INC

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Mike Razavi, PE
(301) 775-4394

RAZTEC ASSOCIATES, INC

Civil Engineers

Land Planners

Sent from Mail for Windows

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Thanks
Dana Bernard

From: mike@raztecengineers.com <mike@raztecengineers.com>
Sent: Thursday, August 3, 2023 3:42 PM
To: Bernard, Dana <dbernard@howardcountymd.gov>
Cc: [Silvast, Zackary](#) <zsilvast@howardcountymd.gov>
Subject: RE: 3190 Daisy-Percolation

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

Dana

I dropped off three copies this afternoon.

Mike Razavi, PE
(301) 775-4394

RAZTEC ASSOCIATES, INC

Civil Engineers

Land Planners

Sent from [Mail](#) for Windows

From: [Bernard, Dana](#)
Sent: Thursday, August 3, 2023 11:45 AM
To: mike@raztecengineers.com
Cc: [Silvast, Zackary](#)
Subject: Re: 3190 Daisy-Percolation

Good Morning Mike,

You must submit 3 copies of your percolation certification plan directly to our office. We do not accept them through email.

Thanks
Dana

Get [Outlook for iOS](#)

From: mike raztecengineers.com <mike@raztecengineers.com>
Sent: Wednesday, August 2, 2023 3:49:07 PM
To: Bernard, Dana <dbernard@howardcountymd.gov>
Cc: Silvast, Zackary <zsilvast@howardcountymd.gov>
Subject: RE: 3190 Daisy-Percolation

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

Dana

Attached is the Percolation Certification Plat prepared for this project, for your review.

Thanks

Mike Razavi, PE
(301) 775-4394

***R*AZTEC ASSOCIATES, INC**

Civil Engineers Land Planners

Sent from [Mail](#) for Windows

From: [Bernard, Dana](#)
Sent: Wednesday, July 5, 2023 12:16 PM
To: mike.raztecengineers.com
Cc: [Silvast, Zackary](#)
Subject: FW: 3190 Daisy-Percolation

Good Afternoon Mike,

I am just reaching out to make sure you understand what is needed to move forward with your building permit. After percolation testing occurred we never received a percolation certification plan. And we will need that plan and an OSDS plan to move forward. If you have any questions don't hesitate to give me a call .

Thanks
Dana Bernard

From: Bernard, Dana
Sent: Friday, June 2, 2023 2:34 PM
To: mike raztecengineers.com <mike@raztecengineers.com>
Subject: RE: 3190 Daisy-Percolation

Mike,

The percolation certification you are presenting is not signed by the health officer. Therefore as Hank stated we need to get a signed percolation certification plan. Does Marks and Associates have a copy of the signed percolation certification plan?

Dana Bernard

From: mike raztecengineers.com <mike@raztecengineers.com>
Sent: Friday, June 2, 2023 1:01 PM
To: Bernard, Dana <dbernard@howardcountymd.gov>
Cc: seunowo@proactivedbs.com; Peyman Gohari <pg4301350@gmail.com>
Subject: re: 3190 Daisy-Percolation

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

Dana

Following our phone conversation of this morning, I found the records that Hank has sent. As stated in the letter you issued in 2012, testing done in 2012 was satisfactory. Therefore, no further testing was required. Also the attached file (**PDF WS_DaisyRoad_3190**), has your 2012 approval letter, the test results, and the Percolation Certification Plat by Marks and Associates.

The architected is copied here.

Please advise.

Thanks
Mike Razavi, PE
(301) 775-4394

RAZTEC ASSOCIATES, INC

Civil Engineers

Land Planners

Sent from Mail for Windows

Due Date 11-29-23

Date HO Signed Off _____

Date Sent to DPZ _____

PLAT TRANSMITTAL SHEET

TO: Mike Davis, Bureau Director
FROM: Dana Beard
DATE: 11-17-23
RE: PLAT# FC
PROJECT NAME 3190 Daisy Road
OF BUILDABLE LOTS _____
OF NON-BUILDABLE LOTS _____

Please find _____ paper copy(s) _____ mylar(s) for your:

- Review
- Review and Signature
- Review to Well and Septic Program
- Pending Building Permit

- Needs room for 3 systems
(we only allow initial + 1 replacement for
they're proven no room for 3 and have RAT).
There is still more room to try here before
allowing only 2 systems (and they don't have
RAT risk).
- They can go 5' to prog line, they can
go up the hill more above hole 6. They can
maximize area with unequal length handles
and LPD. Last resort - they could test
more between holes 5+3
- Don't see spec sheet in file. Should
be 0.8 rate 3-8' effective crew. He's
using 3' eff. area

- Needs room for 3 systems
(we only allow initial + 1 replacement NP
they've proven no room for 3 and have BAT).
There is still more room to try here before
allowing only 2 systems (and they don't have
BAT rules).

- They can go 5' to prog line, they can
go up the hill more above hole 6. They can
maximize area with unequal length trenches
and LPD. Last resort - They could test
more between holes 5+3

- Don't see spec sheet in file. Should
be 0.8 rate 3-8' effective area. He's
using 3' eff. area

Due Date 11-29-23

Date HO Signed Off _____

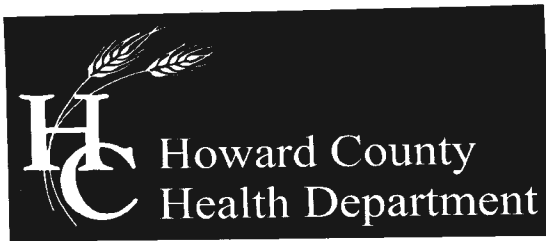
Date Sent to DPZ _____

PLAT TRANSMITTAL SHEET

TO: Mike Davis, Bureau Director
FROM: Dana Bernard
DATE: 11-17-23
RE: PLAT# HC
PROJECT NAME 3190 Daisy Road
OF BUILDABLE LOTS _____
OF NON-BUILDABLE LOTS _____

Please find _____ paper copy(s) _____ mylar(s) for your:

- Review
- Review and Signature
- _____ Review to Well and Septic Program
- _____ Pending Building Permit



Office of the Health Officer

8930 Stanford Drive, MD 21045

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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

DATE: October 28, 2023

TO: Mike Razavi (Applicant)

Via E-mail: mike@raztecengineers.com

RE: **Percolation Certification Plan**

3190 Daisy Road

Woodbine, MD 21797

Mr. Razavi,

I have spoken with the assistant director, and he reviewed your plan with the following commits. Everything we asked to complete looks great, however we have a few items that need to be addressed.

- We only allow initial and 1 replacement if you can prove there is no room for 3 systems. There is still more room to try here before we allow only 2 systems.
- To utilize the entire area, you can go 5 feet to the property line to help establish the area, also you can go up the hill to move above hole 6.
- You can also maximize the area with unequal length trenches and an LPD. Or with the last resort you could test more between holes 3 and 5.
- Make sure the calculations are based on a 0.8 rate and you can utilize the effective area which is between 3-8 feet.
- If you are suggesting, we can prove there is no room for 3 systems you must show a BAT system and include BAT NOTES. I have listed the BAT Notes required below:

Required BAT Site Plan Notes

1. Any change to the locations or depths to any components must be approved by the engineer and the Howard County Health Department prior to installation. A revised site plan may be required.
2. The maximum depth of the BAT per the manufacturer's specification is _____ feet.
3. The blower may not be located more than _____ feet from the tank based on the manufacturer's specifications.
4. The BAT system shall be maintained and operated for the life of the system.
5. The BAT shall be operated by and maintained by a certified service provider.
6. Within one month of installation, a person installing the BAT system shall report to the Maryland Department of the Environment (MDE) in a manner acceptable to MDE, the address and date of completion of the BAT installation and the type of BAT installed.
7. Electrical work for the BAT installation must be performed by a licensed electrician.
8. An Agreement and Easement must be completed and signed by all applicable parties, and recorded in Land Records of Howard County.

9. The Health Department requires documentation for the start-up certification from the manufacturer prior to final approval of the installation.

Once the **Revised Percolation Certification Plan** is submitted, it will be reviewed. After approval of your Revised Percolation Certification Plan, an OSDS plan must be submitted prior to building permit approval.

Your building permit (B23001666) will be placed "on hold" until all Health Department requirements are met. If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775.

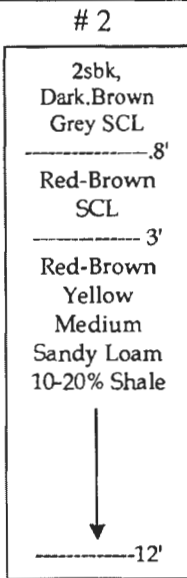
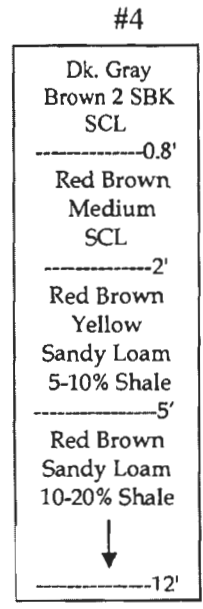
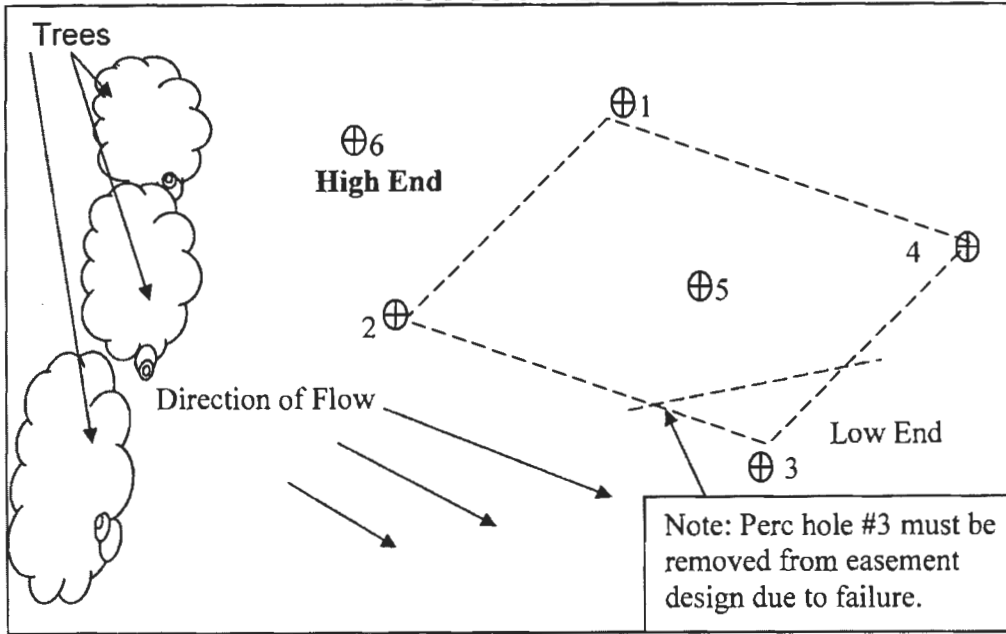
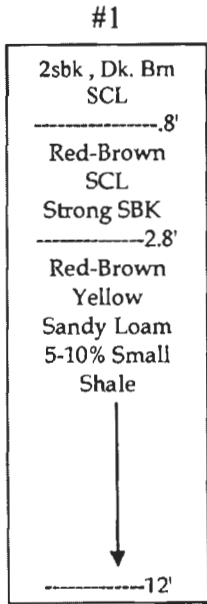
Respectfully,

Dana Bernard

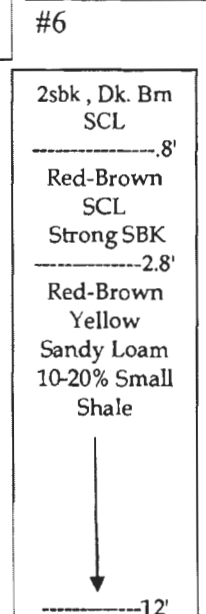
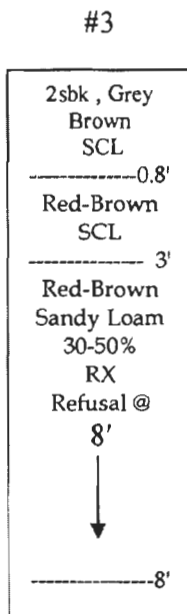
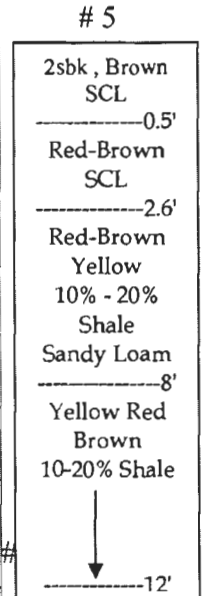
Dana Bernard, REHS/RS
Environmental Specialist II
Well and Septic Program

Percolation Information- 3190 Daisy Road

NOT TO SCALE



Date	Test	Depth	Start	Break 1" Drop	Break 2" Drop	Time of 2 nd Inch	P/F/H
5-30-12	1	3'/12'	10:59	11:03	11:08	5 min.	Pass
5-30-12	2	3.5'/12	11:28	11:38	11:50	12 min.	Pass
5-30-12	3	Refusal			@ 8'		Fail
5-30-12	4	3'/12'	10:37	10:40	10:47	7 min.	Pass
5-30-12	5	3.5'/12'	11:50	11:54	12:00	6 min.	Pass
5-30-12	6	12'		Visual	Pass		Pass

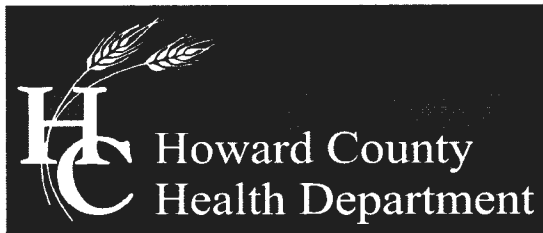


Remarks: Percolation area suitable to establish a functional SDA. Wells are more than 100 feet away from septic area.

Sanitarian D.B. Backhoe: _ Others: Bruce Bates-Project Manager _____

Test Holes Used in 5 Avg. Perc Time 14 min. SQ.FT/BR

Trench Width 3' Inlet Depth 3' Max Bot.Depth 5' Effective S/W 2'



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Facebook: www.facebook.com/hocohealth

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

DATE: August 29, 2023

TO: Mike Razavi (Applicant)

Via E-mail: mike@raztecengineers.com

RE: Percolation Certification Plan
3190 Daisy Road
Woodbine, MD 21797

Mr. Razavi,

I have received and reviewed your **Percolation Certification Plan** and the following revisions are needed:

- Note 4 is not clear. You must state the purpose of the Percolation Certification Plan.
- Note 6 and 7 cannot be used consecutively on the plan. Only use the statement which applies to your specific property.
- Topography must be shown.
- Manufacture name and a schematic drawing of the tank to be installed shown.
- With the installation of new trenches, we should show your calculations
- Show wells and septic for the surrounding wells.
- The area shown for the septic area must be adjusted. It cannot be approved as shown. The area past percolation holes 2,5, and 4 cannot be used because we do not have a percolation hole to verify the area can be used. Your area must include percolation hole number 6 to complete the total number of passed holes needed. If you would like to use any part of this area you will have to do additional testing to verify the area.
- Remember it must be 10,000 square feet. Or you must include initial system and 2 replacements. You must show calculation to prove the systems will fit.
- Show the septic components and pool location equipment. Also show where you are going to place the building materials for your pool. The septic area is restricted, and you cannot place your building materials in the septic area.
- Existing wells need to show tag numbers.
- Show soil units on plan.
- The well needs to be at least 50 feet from the stormwater inlet grate at the front of the driveway.

Once the **Revised Percolation Certification Plan** is submitted by your engineer, it will be reviewed. After approval of your **Revised Percolation Certification Plan**, an OSDS plan must be submitted prior to building permit approval.

Your building permit (B23001666) will be placed "on hold" until all Health Department requirements are met. If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775.

Respectfully,

Dana Bernard 

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