



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_

AVP 55746

AGENCY REVIEW: \_\_\_\_\_

DATE 6-7-16

DO NOT WRITE ABOVE THIS LINE

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

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH 5 PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Kenneth R Carpenter, Jr

DAYTIME PHONE (301) 332-2343 CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS 14520 Trundelphin Mill Road Dayton Maryland 21036  
STREET CITY/TOWN STATE ZIP

APPLICANT JAMES L. SUIT / MATHEW P. BROOKING (POINT OF CONTACT) 240-418-7771

DAYTIME PHONE (301) 774-5916 CELL (301) 817-3708 FAX South Carroll Park home

MAILING ADDRESS 17821 Sandcastle Court Olney Maryland 20832  
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME \_\_\_\_\_ LOT NO. Parcel 11

PROPERTY ADDRESS 14516 Trundelphin Mill Road, Dayton, Maryland 21036  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 27 GRID 17 PARCEL(S) 96 PROPOSED LOT SIZE 6 acres

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.

[Signature]  
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AP \_\_\_\_\_

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H

REMARKS \_\_\_\_\_

SANITARIAN \_\_\_\_\_ BACKHOE \_\_\_\_\_ OTHERS \_\_\_\_\_

TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_



# HOWARD COUNTY HEALTH DEPARTMENT

58746

DATE 6/7/16

A5

Received From

Virginia Scott

PHONE # 301 774-5910

For

Perc App/17821 Sandcrest Court.

CASH

CHECK

NO.

5289

Five hundred six

Dollars

\$ 500.00

Received By

Skiff

## Oswald, Hank

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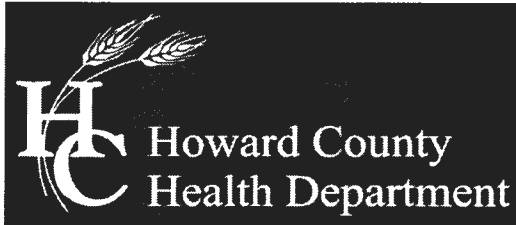
**From:** Oswald, Hank  
**Sent:** Wednesday, July 27, 2016 12:49 PM  
**To:** Mathew Brooking (mathewbrooking1@gmail.com)  
**Cc:** bb121658@gmail.com  
**Subject:** Perc Test Results\_14510 Triadelphia Mill Road  
**Attachments:** Perc Test Notes\_14510 Triadelphia Mill Road.pdf; Perc Test Report\_14520 Triadelphia Mill\_7.27.16.pdf

Attached, please find a copy of the perc test notes and letter for 14510 Triadelphia Mill Road. Should you have any questions, please don't hesitate to ask.

Respectfully,

Hank

Hank Oswald, L.E.H.S.  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
410.313.1786 (Office)  
410.313.2648 (Fax)



## 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](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

Twitter: HowardCoHealthDep

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

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July 27, 2016

To: Kenneth Carpenter Jr. (Owner); Mathew Brooking (Point of Contact) Bruce Burton (LDE Inc.)

Percolation Test Report; 14510 Triadelphia Mill Road

Percolation tests were conducted at 14510 Triadelphia Mill Road (Tax Map 27, Parcel 96) on July 6th. Tests and profile descriptions were documented for 9 locations.

Percolation test holes 100 and 101 failed due to a deep clay layer. Test holes 200 - 206 passed with adequate soil profiles and rates between 3-8 minutes.

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 condition. The area must be at least 10,000 square feet and large enough to accommodate 3 systems for the planned residence. All systems must be shown on the BAT Plan.

The next step in the process is to have an engineer/consultant submit a percolation certification plan to confirm the design of the septic reserve areas. As discussed, please have the well located on the adjacent property field located and noted on the plan. The property address is 15130 Sapling Ridge.

Should you have any questions regarding this evaluation please contact me. I may be reached at (410) 313-1786 or by email [hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)

Respectfully,

*Hank Oswald*

Hank Oswald, L.E.H.S.  
Bureau of Environmental Health  
Well & Septic Program

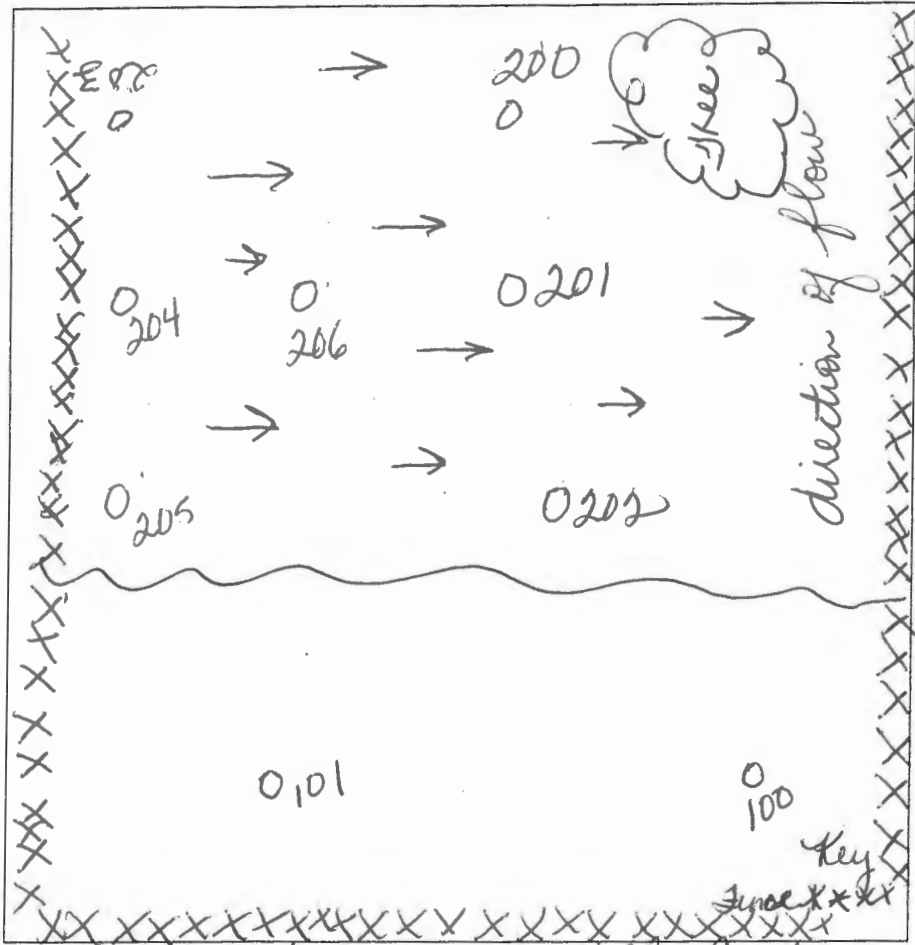
Attachment: Percolation Field Notes

A/P

#200  
 Red Brown  
 yellow  
 SL  
 3'  
 Red Brown  
 yellow  
 F8h  
 many  
 mica  
 12'

#201  
 Red Brown  
 yellow  
 SL  
 2'  
 Red Brown  
 yellow  
 SL  
 many  
 mica  
 5-10%  
 SL  
 12.9'

#202  
 Red Brown  
 yellow  
 SL  
 3'  
 Red Brown  
 yellow  
 SL  
 5-10%  
 silty  
 mica  
 12'



14510 Swadephia Mill Road

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7-6-16	200	4/12	11:54	11:57	12:03	6min	P
7-6-16	201	3/12.9	10:56	11:01	11:09	8min	P
7-6-16	202	4/12	11:04	11:07	11:12	5min	P
7-6-16	203	4/12	11:47	11:49	11:52	3min	P
7-6-16	204	4/12	11:29	11:32	11:40	8min	P
7-6-16	205	4/12	11:11	11:14	11:18	4min	P
7-6-16	206	4/12	11:41	11:43	11:48	5min	P

#203  
 Red Brown  
 yellow  
 SL  
 3'  
 Red Brown  
 yellow  
 F8h  
 many  
 mica  
 0-5%  
 SL  
 12'

#204  
 Red Brown  
 yellow  
 SL  
 3'  
 Red Brown  
 yellow  
 SL  
 many  
 mica  
 12'

#205  
 Red Brown  
 yellow  
 SL  
 3'  
 Red Brown  
 yellow  
 SL  
 many  
 mica  
 5-10%  
 SL  
 12'

REMARKS \_\_\_\_\_  
 SANITARIAN Bernard BACKHOE \_\_\_\_\_ OTHERS LDE Inc.  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_



## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Wednesday, August 10, 2016 9:02 AM  
**To:** 'Bruce Burton'  
**Subject:** RE: 14510 Triadelphia Mill

Bruce:

I think the only thing left to do is to have the owner hire a licensed well driller to abandon the old well and submit a report to the Health Department.

Hank

**From:** Bruce Burton [<mailto:bb121658@gmail.com>]  
**Sent:** Tuesday, August 09, 2016 3:42 PM  
**To:** Oswald, Hank; James L. Suit; Mathew Brooking  
**Subject:** 14510 Triadelphia Mill

Hank, I have 2 well reports associated with the data file for 14520 Triadelphia Mill.

One of the wells was done by Easterday HO-73-0707  
and another by Harr HO-73-0274

The Harr permit has a notation "that a new permit was taken out under Marathon Builders" also "never used"  
It may be reasonable to assume that this is the well that we have noted as abandoned since the adjacent well is tagged HO-73-0233. It should also be noted that Carpenter owned the 5 acre parcel at 14520 and the subject undeveloped parcel 14510.

Other than the above I can not find nor can the Carpenters find any documentation that the well was properly abandoned. Some insight and guidance please. The contract purchasers are anxious to settle on the lot but don't wish to leave any loose ends prior to.

Thanks for your help and input.

Bruce

## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Thursday, August 08, 2019 10:41 AM  
**To:** 'Bruce Burton'  
**Subject:** RE: 14510 Triadelphia Mill Road

Hi Bruce:

The Perc Cert Plan was never approved. It looks like we were waiting on a well abandonment report for the old well.

Hank

**From:** Bruce Burton <bb121658@gmail.com>  
**Sent:** Monday, August 05, 2019 1:35 PM  
**To:** Oswald, Hank <hoswald@howardcountymd.gov>  
**Subject:** 14510 Triadelphia Mill Road

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

Hi Hank,

I'm interested in seeing what the status of this Perc Certification is.

We originally perked back on 7/27/16 and submitted the certification drawing for signature. The client at that time put a hold on the project. But i believe the plan was signed. I remember some discussion of a note regarding geothermal wells?

Can you confirm that the plan was signed?

The same client now wishes to proceed with buying the lot.  
If the plan was signed are we good to go to building permit?

Please let me know as soon as you can.

Thanks Bruce

## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Monday, August 08, 2016 8:33 AM  
**To:** 'Bruce Burton'  
**Subject:** RE: 14510 Triadelphia Mill Road

Hi Bruce:

Does this lot already have a well on it? If so, then what is the second circle next to the well? Why does it say abandoned?

Thanks,

Hank

**From:** Bruce Burton [<mailto:bb121658@gmail.com>]  
**Sent:** Wednesday, July 13, 2016 2:33 PM  
**To:** Oswald, Hank  
**Subject:** Re: 14510 Triadelphia Mill Road

Hank, I did not field locate the well. However I did place the well location as shown on the site plan of record within the Health Data Base. The location shown on my plan provides the minimum 10' distance from abutting property/ lot lines.

We can certainly adjust the proposed easement area adjacent to the existing well since the proposed SDA is greater than 10,000 sq. ft. and the soil profiles within the SDA were consistently uniform.

At the time of testing the excavator dug on the near side of the staked position closest to the well rather than the far side within the SDA.

Let me know if you have any other questions.

Bruce

On Wed, Jul 13, 2016 at 2:02 PM, Oswald, Hank <[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)> wrote:

Hi Bruce:

We received a call from a concerned neighbor about his well in proximity to the test sites on 14510 Triadelphia Mill Road. The property address is 15130 Sapling Ridge. We conducted a site visit and discovered that the stake for perc test hole 203 is located 99 feet away from this well. In addition, the actual test site where the ground was disturbed is even closer to his well. Can you tell me if the neighbors well was field located. If it has, then it should be stated on the plan. I just want to make sure we are meeting the 100 foot setback requirement.

Thanks,

Hank

Hank Oswald, L.E.H.S.

Howard County Health Department

Bureau of Environmental Health

Well & Septic Program

8930 Stanford Boulevard

Columbia, MD 21045

410.313.1786 (Office)

410.313.2648 (Fax)

**swald, Hank**

---

**From:** Oswald, Hank  
**Sent:** Tuesday, August 16, 2016 1:21 PM  
**To:** 'Bruce Burton'; James L. Suit; Mathew Brooking  
**Subject:** RE: 14510 Triadelphia Mill

Hi Bruce:

I received a call from the sellers real estate agent who made a request to postpone abandoning the other well until building permit stage. I checked with our Deputy Director, Mike Davis and he said okay but a note will need to be added to the perc cert plan stating, The other well on this site is to be properly abandoned by a licensed well driller prior to building permit approval by the Health Department

If it's okay with you, I can redline the plan with this note and send it up for signature. Please let me know.

Thanks,

Hank

**From:** Bruce Burton [<mailto:bb121658@gmail.com>]  
**Sent:** Tuesday, August 09, 2016 3:42 PM  
**To:** Oswald, Hank; James L. Suit; Mathew Brooking  
**Subject:** 14510 Triadelphia Mill

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One of the wells was done by Easterday HO-73-0707  
and another by Harr HO-73-0274

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Other than the above I can not find nor can the Carpenters find any documentation that the well was properly abandoned. Some insight and guidance please. The contract purchasers are anxious to settle on the lot but don't wish to leave any loose ends prior to.

Thanks for your help and input.

Bruce

## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Wednesday, June 15, 2016 11:20 AM  
**To:** 'Mathew Brooking'  
**Cc:** bb121658@gmail.com  
**Subject:** RE: Perc test Scheduling

Hi Mat:

My next available date for testing after July 3<sup>rd</sup> is July 6. All proposed test holes must be properly labeled and staked prior to testing. Additionally, a backhoe operator should have equipment capable of digging a hole to a depth of 12 feet.

Please confirm. Let me know if you have any questions.

Thanks,

Hank

**From:** Mathew Brooking [<mailto:mathewbrooking1@gmail.com>]  
**Sent:** Wednesday, June 15, 2016 10:55 AM  
**To:** Oswald, Hank  
**Subject:** Perc test Scheduling

Hello Hank,

We are available to do the testing any day after July 3rd, what days do you have open?

Thanks for answering my questions earlier!

Regards,

Mat

**Mathew Brooking**, Realtor  
**Keller Williams Capital Properties**  
Rockville Office  
20 West Gude Drive, Suite 200  
Rockville, MD 20850

[mathewbrooking1@gmail.com](mailto:mathewbrooking1@gmail.com)  
[www.mathewbrooking.kwrealty.com](http://www.mathewbrooking.kwrealty.com)

**Cell- 240.418.7771**

Office- 301.251.1221

Fax- 240.386.8745

## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Wednesday, June 15, 2016 9:19 AM  
**To:** bb121658@gmail.com  
**Subject:** Perc Test\_14510 Triadelphia Mill Road

Hi Bruce:

I am available to conduct percolation tests on June 29 or 30<sup>th</sup> starting between 8 – 8:30 a.m. Please choose a day and get back to me as soon as possible. I've also left voicemail with Matt Brooking.

Please note: The test holes will need to be properly labeled & staked and the owner will be responsible for hiring a septic contractor to dig the percolation test holes. Please confirm via email.

Thanks,

Hank

Hank Oswald, L.E.H.S.  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
410.313.1786 (Office)  
410.313.2648 (Fax)

## Oswald, Hank

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**From:** Bruce Burton <bb121658@gmail.com>  
**Sent:** Wednesday, July 13, 2016 2:33 PM  
**To:** Oswald, Hank  
**Subject:** Re: 14510 Triadelphia Mill Road

Hank, I did not field locate the well. However I did place the well location as shown on the site plan of record within the Health Data Base. The location shown on my plan provides the minimum 10' distance from abutting property/ lot lines.

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Let me know if you have any other questions.

Bruce

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Thanks,

Hank

Hank Oswald, L.E.H.S.

Howard County Health Department

Bureau of Environmental Health

Well & Septic Program

8930 Stanford Boulevard

Columbia, MD 21045

410.313.1786 (Office)

410.313.2648 (Fax)

## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Wednesday, July 13, 2016 2:03 PM  
**To:** bb121658@gmail.com  
**Subject:** 14510 Triadelphia Mill Road

Hi Bruce:

We received a call from a concerned neighbor about his well in proximity to the test sites on 14510 Triadelphia Mill Road. The property address is 15130 Sapling Ridge. We conducted a site visit and discovered that the stake for perc test hole 203 is located 99 feet away from this well. In addition, the actual test site where the ground was disturbed is even closer to his well. Can you tell me if the neighbors well was field located. If it has, then it should be stated on the plan. I just want to make sure we are meeting the 100 foot setback requirement.

Thanks,

Hank

Hank Oswald, L.E.H.S.  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
410.313.1786 (Office)  
410.313.2648 (Fax)

## Oswald, Hank

---

**From:** Bruce Burton <bb121658@gmail.com>  
**Sent:** Monday, August 12, 2019 2:53 PM  
**To:** Oswald, Hank  
**Subject:** Re: 14510 Triadelphia Mill Road

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

Hi Hank,

Thanks for getting back to me. I wasn't sure if the Cert was signed. I do have a few concerns I hope you can clarify.

1. If the existing well shown on the plan with the "Aband." is provided with an abandonment report, can the Perk Cert be signed without additional field testing.
2. My client may wish to utilize the existing wells for geothermal heating/cooling. If that is the case, I recall an email from John Boris of MDE, stating that could be done. Could a conditional note be placed on the plan without any abandonment and any new potable well being drilled prior to building permit. Please let me know as soon as you can.

Thanks Bruce

On Thu, Aug 8, 2019 at 9:40 AM Oswald, Hank <[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)> wrote:

Hi Bruce:

The Perc Cert Plan was never approved. It looks like we were waiting on a well abandonment report for the old well.

Hank

**From:** Bruce Burton <[bb121658@gmail.com](mailto:bb121658@gmail.com)>  
**Sent:** Monday, August 05, 2019 1:35 PM  
**To:** Oswald, Hank <[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)>  
**Subject:** 14510 Triadelphia Mill Road

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Hi Hank,

I'm interested in seeing what the status of this Perc Certification is.

We originally perked back on 7/27/16 and submitted the certification drawing for signature. The client at that time put a hold on the project. But i believe the plan was signed. I remember some discussion of a note regarding geothermal wells?

Can you confirm that the plan was signed?

The same client now wishes to proceed with buying the lot.

If the plan was signed are we good to go to building permit?

Please let me know as soon as you can.

Thanks Bruce

## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Monday, December 09, 2019 7:48 AM  
**To:** 'James L. Suit, PhD, MS'  
**Subject:** RE: [WARNING: AMP - ATTACHMENT(S) MAY CONTAIN MALWARE]Fwd: Perc Plan

Hi Jim:

Good morning. I reviewed Bruce Burtons plan last Monday Dec. 2. It required some additional revisions to the well radiuses. I notified him the same day. Once I receive the revised plan, I will be sure to review it right away and send it for signature. This process takes about 10 working days.

The potability test come after the well has been connected to the house, but before Use & Occupancy.

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

Respectfully,

Hank

**From:** James L. Suit, PhD, MS <jlsuitphd@aol.com>  
**Sent:** Friday, December 06, 2019 1:51 PM  
**To:** Oswald, Hank <hoswald@howardcountymd.gov>  
**Subject:** [WARNING: AMP - ATTACHMENT(S) MAY CONTAIN MALWARE]Fwd: Perc Plan

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

*Good afternoon, Mr. Oswald,*

*I am trying to follow-up so that we can get closure on the materials Bruce Burton ( our engineer) has sent regarding the property at 14510 Triadelphia Mill Road in Dayton, Maryland.*

*You have been so helpful in providing guidance in the past, for which I am appreciative.*

*Several questions for you:*

*(i) do you have the revisions that Bruce spoke of in his e-mail below? If so, are there any other obstacles getting the perc certification signed off? What time frame do you anticipate?*

*(ii) the second involves water potability testing: I have gotten several opinions about whether this is necessary....is this required before the perc certification is signed off by the county? ... is it required before a building permit is issued? ....what do most people initially pursue in terms of potability testing when they are acquiring undeveloped land that is adjacent to the water table for established homes do ?*

*Thanks so very much for your time and expertise.*

*Respectfully,*

*Jim*

*James L. Suit, PhD, MS*  
*Developmental Clinical Neuropsychologist*  
*Licensed Psychologist (Maryland 2019)*  
*Post-Doctoral Master's Degree - Clinical Psychopharmacology*  
*Diplomates:*  
*American Board of Professional Neuropsychology*  
*General Diploma & Advanced Specialization - Child/Adolescent*  
*American Board of Pediatric Neuropsychology*  
*American Board of Medical Psychotherapy & Psychodiagnostics*  
*Nationally Certified School Psychologist*

-----Original Message-----

From: Bruce Burton <[bb121658@gmail.com](mailto:bb121658@gmail.com)>

To: James L. Suit <[jsuitphd@aol.com](mailto:jsuitphd@aol.com)>

Sent: Thu, Nov 21, 2019 12:28 pm

Subject: Perc Plan

Hi Jim

Perc Plan was submitted to Health and we have received comments which are attached. will take care of these and resubmit.

A copy of the previous submittal is attached with a Concept Layout of the proposed driveway, house and barn for your review. I've dropped full size plans in the mail for your files.

Bruce

## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Monday, December 02, 2019 11:41 AM  
**To:** 'bb121658@gmail.com'  
**Subject:** Perc Cert Plan\_14510 Triadelphia Mill Road

Hi Bruce:

In general, the well radius around the well box and the wells on the neighboring lots aren't 100 % accurate. Also, I don't think you need to show a radius line for the abandoned well. Please check all of them for accuracy.

Let me know if you have any questions.

Respectfully,

Hank

Hank Oswald  
Licensed Environmental Health Specialist  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
410.313.1786 (Office)  
[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)



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

**MEMORANDUM**

**TO:** LDE, Inc.  
7520 Main Street  
Sykesville, MD 21784

**FROM:** Hank Oswald, L.E.H.S.  
Well & Septic Program

**RE:** Perc Cert Plan  
Kenneth Carpenter Jr.  
14510 Triadelphia Mill Road

**Date:** 11/21/2019

---

The perc cert plan for 14510 Triadelphia Mill Road has been reviewed with the following comment:

- 1.) Correct 100 foot well radius on the existing well. It isn't quite 100 feet all the way around it.
- 2.) Add amount of square footage to the sewage disposal area.
- 3.) Change legend symbol description for *perc test location/clay* to *perc test location/fail*.



①  
dk brn sl  
1 fsbk 0.2'  
red-brn  
vg sl, 2 fsbk  
red-brn 1.3'  
gsl, 2 fsbk  
yel-red 2.5'  
fsl, thick platy  
few gravel  
④  
red & red-yel  
1 fs, thick platy

②  
dk brn gsl, 1 fsbk  
0.2'  
red-brn vgs  
plus few stones  
1 fsbk, many roots  
yel-red fsl  
thick platy  
few gravel  
3.2  
red & red-yel  
1 fs, thick  
platy  
few stones  
and gravel  
13

⑤  
dk brn sl  
1 fsbk 0.2'  
red-brn  
vg sl, 1 fsbk  
red-brn  
gsl, 1 fsbk  
yel-red sl  
thick platy  
yel-red  
vg sl, many  
stones  
dense  
red & red-yel  
1 fs, thick  
platy  
12  
③  
dk brn sl  
1 fsbk 0.2'  
red-brn  
vg sl, 1 fsbk  
red-brn  
gsl, 1 fsbk  
yel-red  
fsl, thick  
platy  
few gravel  
3.8  
red & red-yel  
1 fs, thick  
platy  
few stones  
12

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/28/21	1	5' 14"	9:48	9:49	9:51:30	2.5	P
5/28/21	2	5' 13"	10:07	10:09	10:12	3	P
5/28/21	5	12'	Visual	Sidewall	55-8'	1.2 gpd/ft <sup>2</sup>	P
5/28/21	3	4.5' / 12'	11:07	11:08	11:10:30	2.5	P

REMARKS Backhoe broke down digging #5. Did not dig #4  
 SANITARIAN R Bricker BACKHOE Fogli's OTHERS \_\_\_\_\_  
 TEST HOLES USED IN SDA 1, 2, 3, 5 Smiley & Conner 5 SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH 8 EFFECTIVE SW 3-4.5

Needs

revisions,

- 25

## Silvast, Zackary

---

**From:** Silvast, Zackary  
**Sent:** Thursday, June 2, 2022 4:51 PM  
**To:** bdietz@dietzsurveying.net  
**Cc:** Bricker, Robert  
**Subject:** regarding 14510 Triadelphia Road perc cert plan (revisions required)

To Whom It May Concern,

I have some revisions that need to be addressed before this plan will be ready for final signature.

1. **Need a more clear and precise proposed SDA legend key, the current one blends in too much with the topography contour lines.**
2. **Existing SDAs are missing from the legend key.**
3. **Need to mention in general note #13 regarding the SDA, that "due to site limitations a sewage disposal area of 6,600 SF is being proposed but the designated area can still meet the minimum requirements for an initial and two reserve septic systems." Could also mention the fact that a BAT unit is already being required by MDE through a variance, and that this best available technology will significantly aid in the pre-treatment of all septic waste at the property.**
4. **The overall scale of this plan is off. There's too much condensed into such a tiny area of the site plan.**
  - a. **I think the Musa property can be enlarged without losing any of the neighbor components necessary for the site plan.**
  - b. **Label one system as the initial and the other two systems as replacements 1 & 2. Clearly label and draw necessary arrows. Should be easier with enlarged scale on the plan also. (maybe 1" = 30' or 1" = 40')**
5. **Need to show BAT and Pump Pit due to 100' well arcs.**
6. **Need to clearly distinguish >25% slope areas on the site plan. And add to legend.**

Please address these issues and we look forward to your re-submittal. Thank you.

- ZS

### **Zack Silvast (LEHS)**

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

Environmental Health Bureau  
Howard County Health Department

## Silvast, Zackary

---

**From:** Silvast, Zackary  
**Sent:** Tuesday, July 5, 2022 7:10 PM  
**To:** Brian Dietz  
**Cc:** Williams, Jeffrey  
**Subject:** Regarding 14510 Triadelphia Mill Road (Musa Property)

Hello Mr. Dietz,

I caught a couple things wrong with this new set of plans. And I do apologize for a slightly behind review schedule. I was out perc testing all of last week pretty much and we are short-staffed as you know.

1. **Need three well locations, an initial and two replacements.**
  - a. **Will still need a well arc provided.**
2. **Need five perc holes.**
  - a. **Perc hole 5 is in no man's land, completely out of SDA.**
  - b. **Perc 1 labeled cleaner and closer to actual test pit.**
  - c. **Perc locations should be all the way on the outer edge of the SDA, and one in the dead center.**

Now with all that being said, I am offering Wednesday morning July 13<sup>th</sup> or Friday morning July 15<sup>th</sup> both @ 10am. I will need all 5 test holes staked prior to testing. I will also require a revised set of plans before the perc date. I will need a septic contractor on-site for the date of testing you choose. Please e-mail back with confirmation date and time. Thank you.

- ZS

**Zack Silvast (LEHS)**

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

Environmental Health Bureau  
Howard County Health Department

## Bricker, Robert

---

**From:** Bricker, Robert  
**Sent:** Monday, May 16, 2022 4:36 PM  
**To:** Brian Dietz  
**Cc:** Silvast, Zackary  
**Subject:** RE: 14510 Triadelphia Road\_perc cert comment  
**Attachments:** 14510 Triadelphia Road\_proposed perc cert-April 2022.pdf

MR Dietz,

1. In the first sentence of Note 18, place the preposition 'FOR' between BUILDING PERMIT and THIS LOT.
2. Percolation tests not performed are not shown on the Percolation Certification Plan, therefore, remove PERC TEST NOT PERFORMED from the Legend.
3. Percolation test # 3 is a PASS.
4. I suggest that you check the graded slopes, so that slopes greater than 25 percent are not within 25 feet of the proposed SDA. The elevation contours and percolation test locations have labeled elevations in the 100 to 126 range. These need to be corrected so they are (more accurately) in the same range as the labeled elevations for the proposed grading.
5. I am including the trench specifications for the potential sewage disposal area. As the area is less than 10,000 square feet, you should illustrate the trench lengths for two or three drainfield systems and specify with a label the number of bedrooms for which the trench systems are designed. You may place the trench symbol in Legend and specify in the descriptor the numbers of systems and bedrooms, e.g. TRENCH LENGTHS FOR THREE 4-FOUR-BEDROOM SYSTEM.

Robert Bricker, REHS/RS, L.E.H.S.  
Environmental Sanitarian II  
Bureau of Environmental Health, Well and Septic Program  
8930 Stanford Blvd., Columbia, MD 21045

Phone: (410)313-2691  
Email: rbricker@howardcountymd.gov



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**From:** Brian Dietz <bdietz@dietzsurveying.net>  
**Sent:** Monday, May 16, 2022 3:09 PM  
**To:** Bricker, Robert <RBricker@howardcountymd.gov>  
**Subject:** RE: 14510 Triadelphia Road\_perc cert comment

## Bricker, Robert

---

**From:** Bricker, Robert  
**Sent:** Monday, May 9, 2022 9:21 AM  
**To:** Brian Dietz  
**Cc:** Silvast, Zackary  
**Subject:** 14510 Triadelphia Road\_perc cert comment

Dear Mr Dietz,

The submitted Percolation Certification Plan has been reviewed by the Well and Septic Program and will not be approved at this time. Issues cited for editing follow:

1. Illustrate more of the lot at 14306 Roxbury Lake Drive and reference the lot with an address label.
2. Include the well tag numbers in the respective labels for the wells at 14306 Roxbury Lake Drive, 14545 Triadelphia Road, and at 14530 Triadelphia Road.
3. Illustrate all existing sewage disposal areas (SDA) with the same symbol. Differentiate the symbol for the proposed SDA.
4. In the title block, replace "Percolation Plan" with 'Percolation Certification Plan'.
5. Place the symbol for percolation test locations in a LEGEND and indicate PASS/FAIL status.
6. In Note 11, refer to "this plan" specifically as 'this Percolation Certification Plan'.
7. Add this Note:

AN ONSITE SEWAGE DISPOSAL SYSTEM (OSDS) DESIGN PLAN MUST BE SUBMITTED TO THE BUREAU OF ENVIRONMENTAL HEALTH AND APPROVED PRIOR TO HEALTH DEPARTMENT APPROVAL OF A BUILDING PERMIT THIS LOT. THE OSDS DESIGN PLAN CONTENT MUST INCLUDE ILLUSTRATION OF THREE (3) APPROPRIATELY-SIZED DRAINFIELD SYSTEMS WITHIN THE SDA. IF THREE DRAINFIELD SYSTEMS DO NOT FIT WITHIN THE APPROVED SDA, REVISION OF THE AREA MAY BE REQUIRED, OR THE HEALTH DEPARTMENT MAY ALLOW A WAIVER FOR ONLY AN INITIAL SYSTEM AND ONE REPLACEMENT SYSTEM IF A BAT UNIT IS INCLUDED AS A COMPONENT OF THE OSDS.

Robert Bricker, REHS/RS, L.E.H.S.  
Environmental Sanitarian II  
Bureau of Environmental Health, Well and Septic Program  
8930 Stanford Blvd., Columbia, MD 21045

Phone: (410)313-2691

Email: rbricker@howardcountymd.gov



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## Bricker, Robert

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**From:** Bricker, Robert  
**Sent:** Thursday, April 14, 2022 11:13 AM  
**To:** Brian Dietz  
**Cc:** Silvast, Zackary  
**Subject:** 14010 Triadelphia Road\_Musa Property\_Perc Cert comments  
**Attachments:** Perc Cert Reqs (copy\_9-6-12).pdf

Hello Mr Dietz,

I have reviewed the content of the PDF which you sent as a Perc Cert Plan for Mr Musa's property. I am attaching the document which describes the required content for perc cert plans as there are several notes missing from this proposal. One of the missing notes has to do with the required minimum width/minimum area for a parcel. Another concerns the locations of surrounding wells and septic systems, and then there is one that states that a record plat isn't needed to modify the sewage disposal area.

Otherwise, the following edits or amendments are needed:

- In Note 11 of this proposal, remove the phrase 'of at least 10,000 square feet' as that area cannot be achieved. The note is still accurate without the phrase because the lot was created prior to the requirement for a 10,000 square-foot sewage disposal area.
- Staked perc test location 4 was not dug, so the location needs to be deleted from the plan.
- The way that I drew my sketch indicates that Location 2 was more in the center of the SDA than is illustrated on the submitted plan.
- Add this Note: THE WELL MUST BE INSTALLED AND THE WELL COMPLETION REPORT APPROVED BY A HEALTH DEPARTMENT ENVIRONMENTAL SANITARIAN PRIOR TO APPROVAL OF A BUILDING PERMIT FOR THIS LOT, LAIRD B SCOTT LOT 7.

Robert Bricker, REHS/RS, L.E.H.S.  
Environmental Sanitarian II  
Bureau of Environmental Health, Well and Septic Program  
8930 Stanford Blvd., Columbia, MD 21045

Phone: (410)313-2691  
Email: rbricker@howardcountymd.gov



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## Bricker, Robert

---

**From:** Bricker, Robert  
**Sent:** Wednesday, July 28, 2021 11:10 AM  
**To:** Brian Dietz  
**Subject:** RE: McVeary Property percolation test results  
**Attachments:** Perc Cert Reqs\_copy\_2-2-07\_.pdf; Laird B Scott\_Lot 7\_Variance application.pdf

Good day Brian,

Several edits are needed on the drawing:

1. On this lot and other lots, the area for wastewater disposal and treatment is labeled as a sewage disposal area or SDA, not septic.
2. The lower boundary of the SDA must be at least 200 feet from the well that is downgradient, and should be at least 5 feet from the overhead wire.
3. Add a third proposed well location about 50 feet downhill from the well location further from Triadelphia Road.
4. Illustrate a 100-ft radius for each well or proposed well location.
5. Assign an ordinal of '1' to the proposed well nearer the house, then '2' and '3' to the other two sites (no preference).

I do not see any of the required notes for perc certs nor the certification statements. See requirements for content under Howard County Building Code 3.800. I am attaching a document paraphrasing those requirements that are in Code.

A variance will be needed for the SDA to be uphill of the well. The property owner must sign the Variance Request before we recommend the variance to MDE. You may return the signed Variance Request to us with submittal of the Percolation Certification Plan. Typically, Maryland Department of the Environment approves these variance requests with conditions that a BAT unit is installed as a component of the onsite sewage disposal system and that the effluent is distributed by a low-pressure distribution (LPD) system. They may also impose a limit on trench depths.

Add this Note:

THE MARYLAND DEPARTMENT OF THE ENVIRONMENT HAS APPROVED A VARIANCE TO ALLOW THE SEWAGE DISPOSAL AREA ON LAIRD B SCOTT LOT 7 TO BE UPGRADE OF THE WELL AT 14306 ROXBURY LAKE DRIVE PURSUANT TO THE FOLLOWING CONDITIONS:

THE ONSITE SEWAGE DISPOSAL SYSTEM (OSDS) ON LOT 7 MUST INCLUDE A BEST AVAILABLE TECHNOLOGY (BAT) UNIT, AND  
A PRESSURIZED DISTRIBUTION SYSTEM MUST BE EMPLOYED TO DISTRIBUTE THE BAT EFFLUENT.  
NO OSDS TRENCH ON LOT 7 CAN BE INSTALLED WITHIN 200 FEET OF THE WELL AT 14306 ROXBURY LAKE DRIVE.

If you have questions about these stated requirements, you may contact me by 'reply' to this email.

Robert Bricker, REHS/RS, L.E.H.S.

**From:** Brian Dietz <bdietz@dietzsurveying.net>  
**Sent:** Monday, July 26, 2021 5:31 PM  
**To:** Bricker, Robert <RBricker@howardcountymd.gov>  
**Subject:** RE: McVeary Property percolation test results

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

Mr. Brickland,

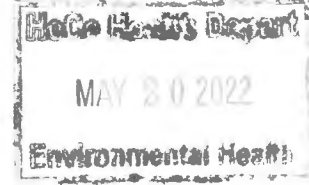


8119 Oakleigh Road  
Parkville, Maryland 21234  
Phone: 410-661-3160  
Fax: 410-661-3163

# Dietz Surveying

May 20, 2022

Mr. Robert Bricker  
Environmental Sanitarian II  
Bureau of Environmental Health, Well and Septic Program  
830 Stanford Blvd.  
Columbia, Maryland 21045



Reference: 14610 Triadelphia Road  
Musa Property  
Tax# 04-322657

Dear Mr. Bricker,

Attached are 3 copies of the Percolation Plan for review and signature approval, upon your review, if you have any questions, I may be reached at the number above.

Thank You,

Sincerely,  
Brian Dietz



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

Mr. Bricker,

I believe I have made your requested revisions. Before I run down with paper copies could you look at the attached pdf and let me know if any more revisions are necessary.

Brian Dietz  
Dietz Surveying  
8119 Oakleigh Road  
Parkville MD 21234  
410-661-3160  
[brian@dietzsurveying.net](mailto:brian@dietzsurveying.net)

**From:** Bricker, Robert [<mailto:RBricker@howardcountymd.gov>]  
**Sent:** Monday, May 09, 2022 9:21 AM  
**To:** Brian Dietz <[bdietz@dietzsurveying.net](mailto:bdietz@dietzsurveying.net)>  
**Cc:** Silvast, Zackary <[zsilvast@howardcountymd.gov](mailto:zsilvast@howardcountymd.gov)>  
**Subject:** 14510 Triadelphia Road\_perc cert comment

Dear Mr Dietz,

The submitted Percolation Certification Plan has been reviewed by the Well and Septic Program and will not be approved at this time. Issues cited for editing follow:

1. Illustrate more of the lot at 14306 Roxbury Lake Drive and reference the lot with an address label.
2. Include the well tag numbers in the respective labels for the wells at 14306 Roxbury Lake Drive, 14545 Triadelphia Road, and at 14530 Triadelphia Road.
3. Illustrate all existing sewage disposal areas (SDA) with the same symbol. Differentiate the symbol for the proposed SDA.
4. In the title block, replace "Percolation Plan" with 'Percolation Certification Plan'.
5. Place the symbol for percolation test locations in a LEGEND and indicate PASS/FAIL status.
6. In Note 11, refer to "this plan" specifically as 'this Percolation Certification Plan'.
7. Add this Note:

AN ONSITE SEWAGE DISPOSAL SYSTEM (OSDS) DESIGN PLAN MUST BE SUBMITTED TO THE BUREAU OF ENVIRONMENTAL HEALTH AND APPROVED PRIOR TO HEALTH DEPARTMENT APPROVAL OF A BUILDING PERMIT THIS LOT. THE OSDS DESIGN PLAN CONTENT MUST INCLUDE ILLUSTRATION OF THREE (3) APPROPRIATELY-SIZED DRAINFIELD SYSTEMS WITHIN THE SDA. IF THREE DRAINFIELD SYSTEMS DO NOT FIT WITHIN THE APPROVED SDA, REVISION OF THE AREA MAY BE REQUIRED, OR THE HEALTH DEPARTMENT MAY ALLOW A WAIVER FOR ONLY AN INITIAL SYSTEM AND ONE REPLACEMENT SYSTEM IF A BAT UNIT IS INCLUDED AS A COMPONENT OF THE OSDS.

Robert Bricker, REHS/RS, L.E.H.S.  
Environmental Sanitarian II  
Bureau of Environmental Health, Well and Septic Program  
8930 Stanford Blvd., Columbia, MD 21045

Phone: (410)313-2691  
Email: [rbricker@howardcountymd.gov](mailto:rbricker@howardcountymd.gov)



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**From:** Brian Dietz <[bdietz@dietzsurveying.net](mailto:bdietz@dietzsurveying.net)>  
**Sent:** Tuesday, April 5, 2022 3:59 PM  
**To:** Bricker, Robert <[RBricker@howardcountymd.gov](mailto:RBricker@howardcountymd.gov)>  
**Subject:** RE: McVeary Property percolation test results

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

Mr. Bricker,

Attached please find a pdf of the Perc Plan for your approval. As well as the signed Application for Variance. Please note that I have changed the name of the property to reflect the new owner. At the time we started this process he was the contract purchaser, and he has since went through with the transfer.

Do you need me to mail you hard copies?

Brian Dietz  
Dietz Surveying  
8119 Oakleigh Road  
Parkville MD 21234  
410-661-3160  
[brian@dietzsurveying.net](mailto:brian@dietzsurveying.net)

**From:** Bricker, Robert [<mailto:RBricker@howardcountymd.gov>]  
**Sent:** Wednesday, July 28, 2021 11:10 AM  
**To:** Brian Dietz <[bdietz@dietzsurveying.net](mailto:bdietz@dietzsurveying.net)>  
**Subject:** RE: McVeary Property percolation test results

Good day Brian,

Several edits are needed on the drawing:

1. On this lot and other lots, the area for wastewater disposal and treatment is labeled as a sewage disposal area or SDA, not septic.
2. The lower boundary of the SDA must be at least 200 feet from the well that is downgradient, and should be at least 5 feet from the overhead wire.
3. Add a third proposed well location about 50 feet downhill from the well location further from Triadelphia Road.
4. Illustrate a 100-ft radius for each well or proposed well location.
5. Assign an ordinal of '1' to the proposed well nearer the house, then '2' and '3' to the other two sites (no preference).

I do not see any of the required notes for perc certs nor the certification statements. See requirements for content under Howard County Building Code 3.800. I am attaching a document paraphrasing those requirements that are in Code.

A variance will be needed for the SDA to be uphill of the well. The property owner must sign the Variance Request before we recommend the variance to MDE. You may return the signed Variance Request to us with submittal of the Percolation Certification Plan. Typically, Maryland Department of the Environment approves these variance requests

with conditions that a BAT unit is installed as a component of the onsite sewage disposal system and that the effluent is distributed by a low-pressure distribution (LPD) system. They may also impose a limit on trench depths.

Add this Note:

THE MARYLAND DEPARTMENT OF THE ENVIRONMENT HAS APPROVED A VARIANCE TO ALLOW THE SEWAGE DISPOSAL AREA ON LAIRD B SCOTT LOT 7 TO BE UPGRADE OF THE WELL AT 14306 ROXBURY LAKE DRIVE PURSUANT TO THE FOLLOWING CONDITIONS:

THE ONSITE SEWAGE DISPOSAL SYSTEM (OSDS) ON LOT 7 MUST INCLUDE A BEST AVAILABLE TECHNOLOGY (BAT) UNIT, AND

A PRESSURIZED DISTRIBUTION SYSTEM MUST BE EMPLOYED TO DISTRIBUTE THE BAT EFFLUENT.

NO OSDS TRENCH ON LOT 7 CAN BE INSTALLED WITHIN 200 FEET OF THE WELL AT 14306 ROXBURY LAKE DRIVE.

If you have questions about these stated requirements, you may contact me by 'reply' to this email.

Robert Bricker, REHS/RS, L.E.H.S.

**From:** Brian Dietz <[bdietz@dietzsurveying.net](mailto:bdietz@dietzsurveying.net)>

**Sent:** Monday, July 26, 2021 5:31 PM

**To:** Bricker, Robert <[RBricker@howardcountymd.gov](mailto:RBricker@howardcountymd.gov)>

**Subject:** RE: McVeary Property percolation test results

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

Mr. Brickland,

I am attaching a pdf of the revised Perc Plan, showing the well at 14306 Roxbury Lake Drive and the spot elevation on the perc tests.

Do you need me to submit paper copies?

Brian Dietz  
Dietz Surveying  
8119 Oakleigh Road  
Parkville MD 21234  
410-661-3160  
[brian@dietzsurveying.net](mailto:brian@dietzsurveying.net)

**From:** Bricker, Robert [<mailto:RBricker@howardcountymd.gov>]

**Sent:** Thursday, June 03, 2021 3:00 PM

**To:** Brian Dietz <[bdietz@dietzsurveying.net](mailto:bdietz@dietzsurveying.net)>

**Subject:** McVeary Property percolation test results

Dear Mr Dieltz,

Percolation testing was conducted on May 28, 2021, on the McVeary Property at the intersection of Triadelphia Road and Roxbury Road. Five locations were staked in advance, and tests were conducted at each location except #4. The location #4 was not needed as the soils properties among locations 1, 2, and 3 were consistent. Locations staked under an overhead wire were tested in the area adjacent to the overhead wire but not under it. Each of the four locations observed and described and/or tested PASS.

The percolation test locations should be field-located, and the respective elevations noted on the Percolation Certification Plan. It is essential that the well at 14306 Roxbury Lake Drive be field-located as it is downgrade from the proposed sewage disposal area on Laird B Scott, Lot 7, the subject property. I am attaching a Variance request form that the owner of Lot 7 will have to sign. The form should be submitted with or ahead of, the Percolation Certification Plan

submittal. The Bureau of Environmental Health will review the percolation tests and site conditions for the purpose of considering a recommendation to the Maryland Department of the Environment to approve the variance. The variance request is functionally a request to allow the wastewater drainfields on Laird B Scott Lot 7 to drain towards the well at 14306 Roxbury Lake Drive.

A Note will be needed on the Percolation Certification Plan as follows:

THE MARYLAND DEPARTMENT OF THE ENVIRONMENT HAS GRANTED A VARIANCE TO ALLOW THE ONSITE SEWAGE DISPOSAL SYSTEM (OSDS) ON LAIRD B SCOTT LOT 7 TO BE UPGRADIENT OF THE EXISTING WELL (HO-94-3961) AT 14306 ROXBURY LAKE DRIVE. THE VARIANCE APPROVAL IS SUBJECT TO THESE CONDITIONS:

1. THE INSTALLED OSDS AT LAIRD B SCOTT LOT 7 MUST INCLUDE A BEST AVAILABLE TECHNOLOGY (BAT) UNIT.
2. ALL DRAINFIELDS INSTALLED ON LAIRD B SCOTT LOT 7 MUST BE DESIGNED FOR LOW-PRESSURE DISTRIBUTION (LPD).
3. AN OPERATION AND MAINTENANCE AGREEMENT FOR THE BAT UNIT MUST BE RECORDED WITH THE LAND RECORDS OF HOWARD COUNTY PRIOR TO RELEASE OF THE SEPTIC SYSTEM INSTALLATION PERMIT.

I am attaching the Field Data Worksheet and a Trench Specifications Sheet with this brief report. The trench layout for two or three distribution systems should be included within the proposed sewage disposal area (SDA). The proposed SDA shall not occupy area underneath the overhead electrical wires on the site.

Please 'Reply' to this email with any questions you may have about these contents.

Robert Bricker, CPSS, REHS/RS, L.E.H.S.  
Environmental Sanitarian II  
Bureau of Environmental Health, Well and Septic Program

## Wolf, Kevin

---

**From:** Wolf, Kevin  
**Sent:** Thursday, March 31, 2022 3:23 PM  
**To:** Mike Isom  
**Subject:** 14510 Triadelphia Road

Mike,  
This well permit has been placed on hold until a perc cert plan has been submitted to our office and approved/signed.

Thanks,

Kevin M. Wolf, LEHS, REHS/RS  
Groundwater Mgmt. Sec. Supervisor  
Well & Septic Program  
Howard County Health Department  
8930 Stanford Blvd.  
Columbia, MD 21045  
410-313-2645 (Office)  
410-313-2648 (Fax)  
[www.hchealth.org](http://www.hchealth.org)  
[kwolf@howardcountymd.gov](mailto:kwolf@howardcountymd.gov)



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## Bricker, Robert

---

**From:** Bricker, Robert  
**Sent:** Thursday, June 3, 2021 3:00 PM  
**To:** Brian Dietz  
**Subject:** McVeary Property percolation test results  
**Attachments:** Laird B Scott\_Lot 7\_Application for Variance.pdf; 14510 Triadelphia Road\_Laird B Scott-Lot 7\_perc test data.pdf; Dietz Surveying\_perc test receipt.pdf

Dear Mr Dieltz,

Percolation testing was conducted on May 28, 2021, on the McVeary Property at the intersection of Triadelphia Road and Roxbury Road. Five locations were staked in advance, and tests were conducted at each location except #4. The location #4 was not needed as the soils properties among locations 1, 2, and 3 were consistent. Locations staked under an overhead wire were tested in the area adjacent to the overhead wire but not under it. Each of the four locations observed and described and/or tested PASS.

The percolation test locations should be field-located, and the respective elevations noted on the Percolation Certification Plan. It is essential that the well at 14306 Roxbury Lake Drive be field-located as it is downgrade from the proposed sewage disposal area on Laird B Scott, Lot 7, the subject property. I am attaching a Variance request form that the owner of Lot 7 will have to sign. The form should be submitted with or ahead of, the Percolation Certification Plan submittal. The Bureau of Environmental Health will review the percolation tests and site conditions for the purpose of considering a recommendation to the Maryland Department of the Environment to approve the variance. The variance request is functionally a request to allow the wastewater drainfields on Laird B Scott Lot 7 to drain towards the well at 14306 Roxbury Lake Drive.

A Note will be needed on the Percolation Certification Plan as follows:

THE MARYLAND DEPARTMENT OF THE ENVIRONMENT HAS GRANTED A VARIANCE TO ALLOW THE ONSITE SEWAGE DISPOSAL SYSTEM (OSDS) ON LAIRD B SCOTT LOT 7 TO BE UPGRADIENT OF THE EXISTING WELL (HO-94-3961) AT 14306 ROXBURY LAKE DRIVE. THE VARIANCE APPROVAL IS SUBJECT TO THESE CONDITIONS:

1. THE INSTALLED OSDS AT LAIRD B SCOTT LOT 7 MUST INCLUDE A BEST AVAILABLE TECHNOLOGY (BAT) UNIT.
2. ALL DRAINFIELDS INSTALLED ON LAIRD B SCOTT LOT 7 MUST BE DESIGNED FOR LOW-PRESSURE DISTRIBUTION (LPD).
3. AN OPERATION AND MAINTENANCE AGREEMENT FOR THE BAT UNIT MUST BE RECORDED WITH THE LAND RECORDS OF HOWARD COUNTY PRIOR TO RELEASE OF THE SEPTIC SYSTEM INSTALLATION PERMIT.

I am attaching the Field Data Worksheet and a Trench Specifications Sheet with this brief report. The trench layout for two or three distribution systems should be included within the proposed sewage disposal area (SDA). The proposed SDA shall not occupy area underneath the overhead electrical wires on the site.

Please 'Reply' to this email with any questions you may have about these contents.

Robert Bricker, CPSS, REHS/RS, L.E.H.S.  
Environmental Sanitarian II  
Bureau of Environmental Health, Well and Septic Program

CK# 10784

*ASL8864*

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

**APPLICATION  
FOR PERCOLATION TESTING AND SITE EVALUATION**

**PROPERTY LOCATION**

SUBDIVISION/PROPERTY NAME Triadelphia ROAD @ Roxbury ROAD

PROPERTY ADDRESS \_\_\_\_\_  
STREET TOWN Md ZIP Glenelg Md 21737

TAX ACCOUNT # 322657 TAX MAP 21 GRID 23 PARCEL 40 LOT NO. 7 PROPOSED LOT SIZE (ACRES) 1.33ac.

ZONING CATEGORY \_\_\_\_\_ TIER \_\_\_\_\_

**PROPERTY OWNER(S)** Selo MUSA

DAYTIME PHONE \_\_\_\_\_ CELL 443-742-0348 EMAIL SKingmusa1@yahoo.com

MAILING ADDRESS 7330 Freebird LANE EIKRIDGE Md 21075  
STREET CITY, STATE ZIP

**APPLICANT** BRIAN DIETZ, DIETZ SURVEYING. RELATIONSHIP TO OWNER: SURVEYOR

DAYTIME PHONE 410-661-3160 CELL \_\_\_\_\_ EMAIL bdietz@dietzsurveying.net

MAILING ADDRESS 8119 DAKLEIGH ROAD BALTIMORE, MD 21234  
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 \_\_\_\_\_ 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 Dietz  
 SIGNATURE OF APPLICANT

4/13/2021  
 DATE

## Bricker, Robert

---

**From:** Bricker, Robert  
**Sent:** Friday, April 30, 2021 11:50 AM  
**To:** bdietz@dietzsurveying.net  
**Subject:** Laird B Scott-Lot 7\_revise perc plan

Dear Mr Dietz,

The establishment of a well location and Sewage Disposal Area (SDA) cannot be approved as proposed. Redesign of the proposal is essential. The primary issue requiring redesign is that the proposed well location is downgradient and within 200 feet of the existing SDA at 14530 Triadelphia Road.

There are several other issues:

1. The SDA must be exclusive of all easements. Therefore, the SDA may not include the easement in which the overhead wire is located.
2. There is a required setback for the SDA to be at least 25 feet from any section of slope that is greater than 25 percent. Sections of slope along the Roxbury Road r-o-w are greater than 25 percent.
3. The SDA on The Warfield's II, Lot 68 appears to be within 100 feet of the subject property so it must be illustrated on the perc plan.
4. At least two wells' locations, about 50 feet apart are to be proposed; three locations are preferred.
5. Propose five test locations for an SDA of about 10,000 square feet. The SDA for lots created before March 1972 may be less than 10,000 square feet, however the SDA must be large enough to contain the area required for an initial drainfield system and two replacement drainfield systems for the residence to be served.

Be advised that establishing an SDA on the northwest section of Lot 7 likely will trigger a requirement for pretreatment as the well at 14306 Roxbury Lake Drive will be directly downgradient and about 230-240 feet distant.

Reply to this email if you have questions about these comments.

Robert Bricker, REHS/RS, L.E.H.S.  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
410.313.2691 (Office)  
rbricker@howardcountymd.gov



### CONFIDENTIALITY NOTICE

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly



Bureau of Environmental Health CR# 10784  
 8930 Stanford Blvd | Columbia, MD 21045  
 410.313.2640 - Voice/Relay  
 410.313.2648 - Fax  
 1.866.313.6300 - Toll Free

*ASL 88604*

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

**APPLICATION  
 FOR PERCOLATION TESTING AND SITE EVALUATION**

**PROPERTY LOCATION**

SUBDIVISION/PROPERTY NAME TRIadelphia ROAD @ Roxbury ROAD

PROPERTY ADDRESS \_\_\_\_\_ STREET Glenela TOWN MD ZIP 21737

TAX ACCOUNT # 322657 TAX MAP 21 GRID 23 PARCEL 40 LOT NO. 7 PROPOSED LOT SIZE (ACRES) 1.332  
 ZONING CATEGORY \_\_\_\_\_ TIER \_\_\_\_\_

PROPERTY OWNER(S) Selo Musa

DAYTIME PHONE \_\_\_\_\_ CELL 443-742-0348 EMAIL SKingmusa1@yahoo.com

MAILING ADDRESS 7330 Freebird Lane STREET EIKRidge CITY, STATE MD ZIP 21075

APPLICANT Brian Dietz, Dietz Surveying RELATIONSHIP TO OWNER: Surveyor

DAYTIME PHONE 410-661-3160 CELL \_\_\_\_\_ EMAIL bdietz@dietzsurveying.net

MAILING ADDRESS 8119 Oakleigh Road STREET Baltimore, Md CITY, STATE ZIP 21234

**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 \_\_\_\_\_ 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?

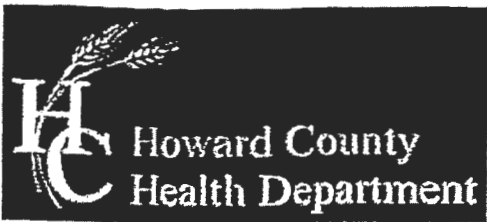
- YES
- NO

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.
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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 Dietz \_\_\_\_\_ 4/13/2021  
 SIGNATURE OF APPLICANT DATE



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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 14510 Triadelphia Road

Subdivision: Laird B Scott Lot: 7

Initial system: Application rate: 1.2 Effective area beginning depth: 5 Bottom maximum depth: 0.0

1st Replacement: Application rate: 1.2 Effective area beginning depth: 3.5 Bottom maximum depth: 0.0

2nd Replacement: Application rate: 1.2 Effective area beginning depth: 3.5 Bottom maximum depth: 0.0

Design Flow = 150 gallons per day per bedroom

Design flow ÷ application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage ÷ trench width

Sidewall reduction credit formula:

(W + 2) / (W + 1 + 2D) x 100 = Percent of length of standard trench where W=trench width and D= depth between effective area beginning depth and trench bottom.

Standard design requirements:

- Trenches must be located to provide room for 3 systems in the disposal area
All trenches must be equal length unless low pressure dosed
All trenches must be on contour
Tank and trenches must be placed as shallow as possible while maintaining 2% fall in pipe from house and at least 18" cover over trenches. If 2% fall from house is not possible, the minimum allowable fall is 1%.
Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is 2D + W up to a maximum spacing of 18'.
Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
Maximum trench length is 100'
Maximum pipe depth is 4'

Additional requirements:

BAT with LPD

Approved: R Bricker Date: 6/3/21

①  
 dk brn sl  
 1fsbk 0.2'  
 red-brn  
 vgs, 2fsbk 1.5'  
 red-brn  
 gsl, 2fsbk 2.5'  
 yel-red  
 fsl, thick platy  
 few gravel 4'  
 red & red-yel  
 lfs, thick platy 12'

②  
 dk brn gsl, 1fsbk 0.2'  
 red-brn vgs  
 plus few stones  
 1fsbk, many roots  
 yel-red fsl  
 + thick platy  
 few gravel 3.2'  
 red & red-yel  
 lfs, thick  
 platy  
 few stones  
 and gravel 13'

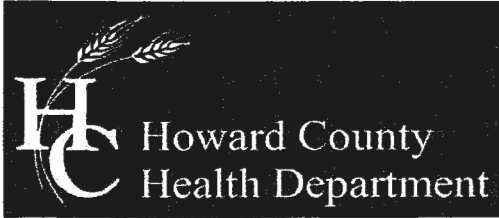


⑤  
 dk brn sl  
 1fsbk 0.2'  
 red-brn  
 vgs, 1fsbk 1'  
 red-brn  
 3sl, 1fsbk 2'  
 yel-red sl  
 thick platy 4'  
 yel-red  
 vgs, some  
 stones dense 5.5'  
 red & red-yel  
 lfs, thick  
 platy 12'

③  
 dk brn sl  
 1fsbk 0.2'  
 red-brn  
 vgs, 1fsbk 1.3'  
 red-brn  
 gsl, 1fsbk 2.5'  
 yel-red  
 fsl, thick  
 platy  
 few gravel 3.8'  
 red & red-yel  
 lfs, thick  
 platy  
 few stones 12'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/28/21	1	5 1/4'	9:48	9:49	9:51:30	2.5	P
5/28/21	2	5 1/3'	10:07	10:09	10:12	3	P
5/28/21	5	12'	Visual	Sidewall	55-8"	1.2 gpd / ft <sup>2</sup>	P
5/28/21	3	4 5/12'	11:07	11:08	11:10:30	2.5	P

REMARKS Backhoe broke down digging #5. Did not dig #4  
 SANITARIAN R Bricker BACKHOE Fogle's OTHERS \_\_\_\_\_  
 TEST HOLES USED IN SDA 1, 2, 3, 5 Smiley & Canner \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH 8 EFFECTIVE SW 3-4.5



Bureau of Environmental Health

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Twitter: HowardCoHealthDep

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

APPLICATION FOR VARIANCE TO COMAR ONSITE WATER/SEWER FOR MDE APPROVAL

Date Submitted \_\_\_\_\_

14510 Triadelphia Road

Property Address

Laird B Scott

7

0021

0023

0040

04-322657

Subdivision

Lot

Tax Map

Grid

Parcel

Tax Account #

Provide a brief site history including previously submitted and active plans with the Health Department or the County (subdivision plans, perc test applications, Building Permit applications):

Percolation Certification Plan (active)

In the area below, list the specific section of the Code of Maryland Regulations (COMAR) to which a variance is being requested and provide a brief summary of the regulation and an explanation of why the variance is being requested (Attach a separate sheet if necessary).

Table with 2 columns: Regulation Section, Summary and Explanation. Row 1: COMAR 26.04.02.05.B.(2), Specifies that on-site sewage disposal system is to be located downgradient from a private water well.

Property Owner's Signature

Health Department Use Only

Reviewed by: HCHD Staff, Date, Recommendation: [ ] Recommended [ ] Not Recommended

HCHD Supervisor, Date

Comments/Conditions:

Approved by: MDE Representative, Date

# Dietz Surveying

8119 Oakleigh Road  
Parkville, Maryland 21234  
Phone: 410-661-3160  
Fax: 410-661-3163

April 13, 2021

Bureau of Environmental Health  
8930 Stanford Boulevard  
Columbia, Maryland 21045

Reference: Application for Percolation Testing  
Triadelphia Road @ Roxbury Road  
Map 21, Grid 23, Parcel 40  
Glenelg, Maryland 21737

Attached are the following documents:

Percolation Application  
3 copies of the Percolation Plan  
Check# 10784 in the amount \$506.00.

Upon your review if you have any questions, I may be reached at the number above.

Thank You,

Brian Dietz  
bdietz@dietzsurveying.net



## HOWARD COUNTY HEALTH DEPARTMENT

68864

DATE  
4/13/21

AS

Received From

Brian Dietz

PHONE #

CASH  
 CHECK

For

Perc App Triadelphia  
@ Roxbury Rd. map 21  
grid 23  
parcel 40

NO  
10784

Five hundred and 06/100

Dollars

\$506 100

Received By

Kemp

8119 Oakleigh Road  
Parkville, Maryland 21234  
Phone: 410-661-3160  
Fax: 410-661-3163



# Dietz Surveying

May 10, 2021

Mr. Robert Bricker  
Bureau of Environmental Health  
8930 Stanford Boulevard  
Columbia, Maryland 21045

Reference: Application for Percolation Testing  
Triadelphia Road @ Roxbury Road  
Map 21, Grid 23, Parcel 40  
Glenelg, Maryland 21737

Attached are the revised documents:

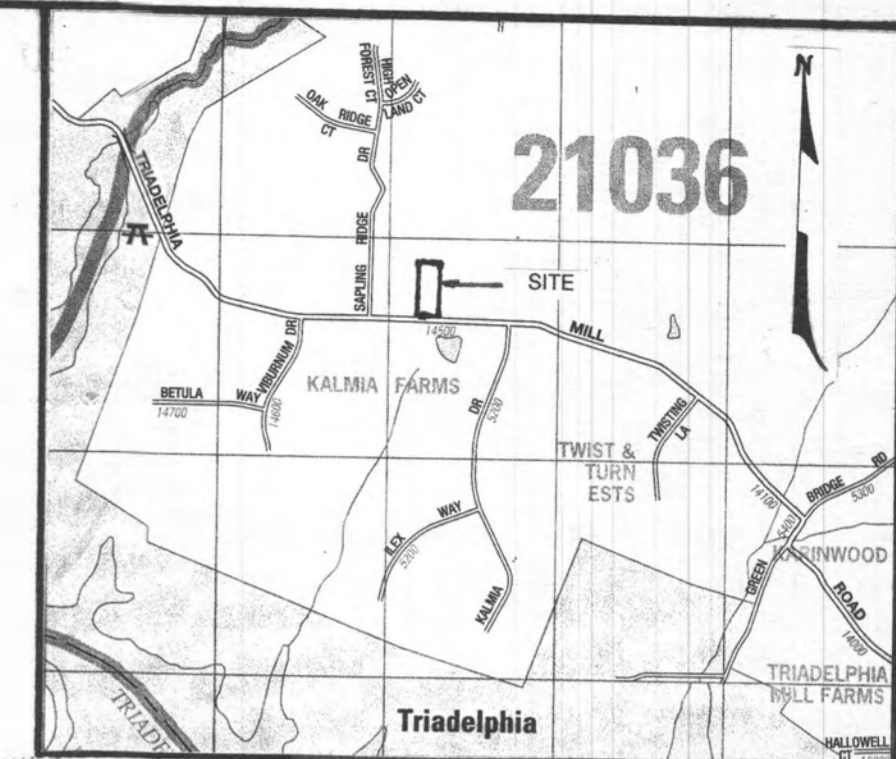
3 copies of the revised Percolation Plan

Upon your review if you have any questions, I may be reached at the number above.

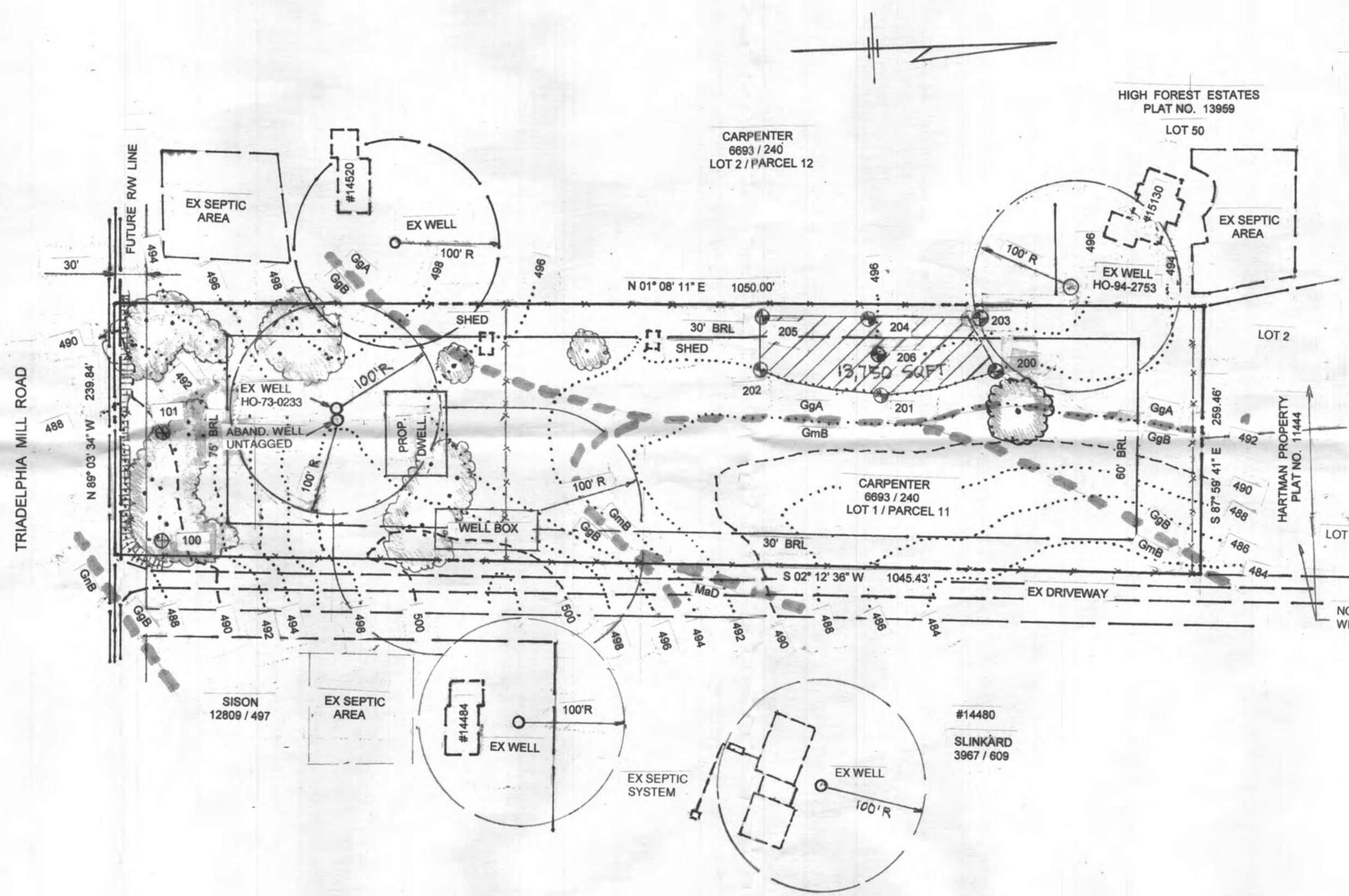
Thank You,

Brian Dietz  
bdietz@dietzsurveying.net





VICINITY MAP  
SCALE: 1" = 1200'



NOTES:

- EXISTING ZONING: RR-DEO / RURAL RESIDENTIAL
- DEED REFERENCE: LIBER 6693 FOLIO 420
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- THE WELL FOR THIS LOT HAS BEEN DRILLED AND FIELD LOCATED HO-73-0233.
- ALL EXISTING WELLS AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY BOUNDARY AND 200 FEET DOWN GRADIENT OF ANY WELLS AND / OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
- THE TOPOGRAPHY IS FIELD RUN BY MERCADO CONSULTANTS, INC. DATED 4/27/2016 AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
- THE PROPERTY OUTLINE SHOWN ON THIS PLAN IS BASED ON A FIELD RUN (NAD 83) MONUMENTED BOUNDARY SURVEY PERFORMED BY MERCADO CONSULTANTS, INC. DATED APRIL 27, 2016.
- THE EXISTING WELL (TAG HO-94-2753) ON LOT 50, HIGH FOREST ESTATES, 15130 SAPLING RIDGE DRIVE HAS BEEN FIELD LOCATED.
- THE EXISTING UNTAGGED WELL LOCATED ON THIS LOT (SHOWN AS ABAND.) HAS BEEN ABANDONED ON 10/02/19 AND THE ABANDONMENT REPORT HAS BEEN SUBMITTED TO THE HEALTH DEPARTMENT.
- ANY CHANGES TO THE PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

LEGEND

- - - 10' INDEX CONTOUR
- ..... 2' INDEX CONTOUR
- 25% OR GREATER SLOPES
- 15% - 24.99% SLOPES
- EXISTING WOODED AREA
- SOILS DIVIDE
- PERC. TEST LOCATION / FAIL
- PERC. TEST LOCATION / PASS

NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 200' OF PROPERTY BOUNDARY

OWNER  
KENNETH R. CARPENTER, JR.  
14520 TRIADELPHIA MILL ROAD  
DAYTON, MD 21036

CONTRACT PURCHASER  
MATHEW BROOKING  
JAMES L. SUIT  
17821 SANDCASTLE COURT  
OLNEY, MD 20832

SOILS LEGEND

GgA	GLENELG LOAM	0% - 3% SLOPES
GgB	GLENELG LOAM	3% - 8% SLOPES
GmB	GLENELG SILT LOAM	3% - 8% SLOPES
GnB	GLENVILLE - BAILE SILT LOAMS	0% - 3% SLOPES
MaD	MANOR LOAM	15% - 25% SLOPES

APPROVED FOR PRIVATE WATER AND SEWERAGE  
HOWARD COUNTY HEALTH DEPARTMENT

\_\_\_\_\_  
HOWARD COUNTY HEALTH OFFICER DATE  
H.O.

PERCOLATION CERTIFICATION  
I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

BRUCE D BURTON 11/26/19  
BRUCE D. BURTON PE DATE  
MD. REG. NO. 19184

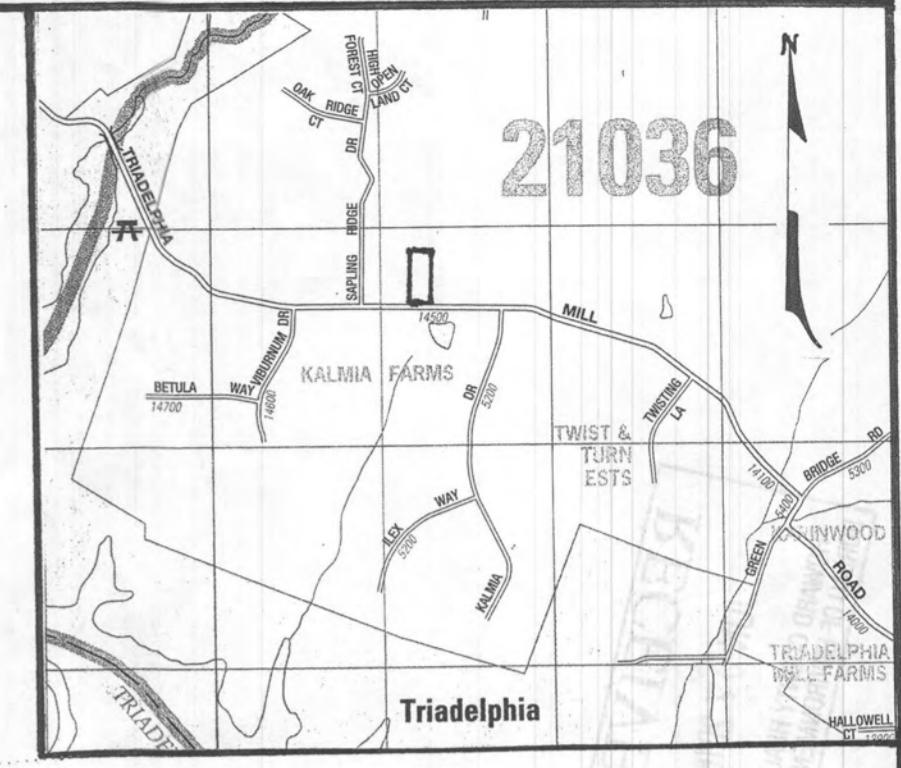


I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 19184, EXPIRATION DATE: 6/30/21

BRUCE D BURTON 11/26/19  
BRUCE D. BURTON DATE

**LDE Inc.**  
Engineers • Surveyors • Planners  
Historic Carriage House • 7520 Main Street • Suite 203 • Sykesville, Maryland • 21784  
(410)795-6391 • (410)795-6392 • FAX(410)795-9540 • www.LandSurveyorMD.com

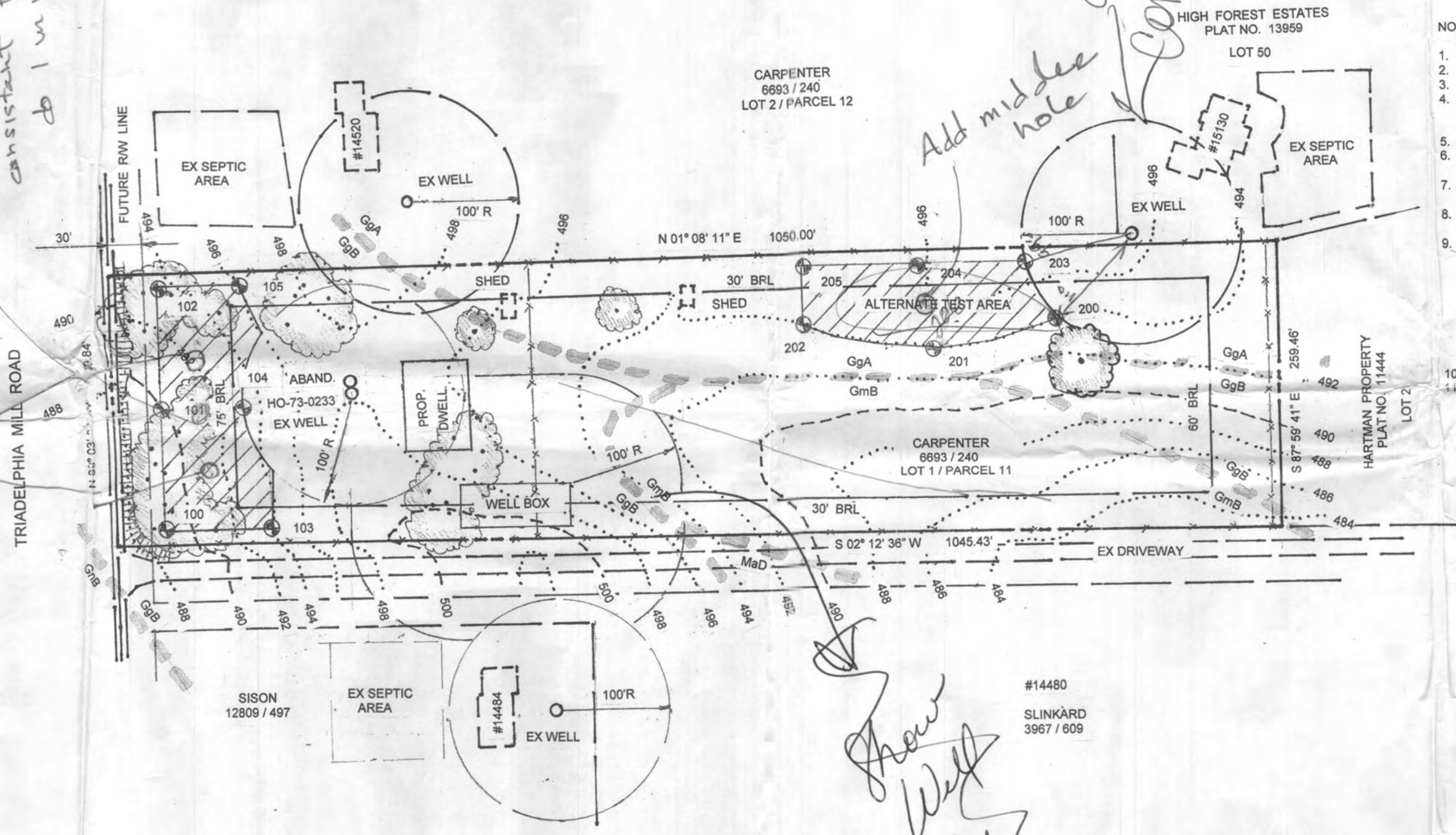
PERCOLATION CERTIFICATION PLAN  
PROPERTY OF  
KENNETH R. CARPENTER, JR.  
LOT 1 PARCEL 11  
#14510 TRIADELPHIA MILL ROAD  
TAX ACCOUNT #05-370523  
TAX MAP 27 GRID 17 PARCEL 96  
5TH ELECTION DISTRICT HOWARD COUNTY, MD.  
DATE: 7/2016 SCALE: 1" = 100'  
REVISED: 11/2019



*If hole arent consistent then add middle one - If (4) corners are consistent then add middle do 1 in middle.*

*Add middle hole area of concern*

*Show Well for*



**NOTES:**

- EXISTING ZONING: RR - DEO/RURAL RESIDENTIAL
- PLAT REFERENCE: DEED LIBER 6693 FOLIO 420
- TOTAL AREA OF LOT: 6.0041 ACRES +/-
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM LOT AREA AND OWNERSHIP WIDTH AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- THE WELL FOR THIS LOT HAS BEEN DRILLED AND FIELD LOCATED HO-73-0233.
- ALL EXISTING WELLS AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE LOT WHICH MAY AFFECT THIS PROPOSAL HAVE BEEN SHOWN.
- ANY CHANGES TO THE PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE PROPOSED DWELLING WILL REQUIRE A BEST AVAILABLE TECHNOLOGY (BAT) SEPTIC SYSTEM.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE REQUIRED.
- THE TOPOGRAPHY IS FIELD RUN BY MERCADO CONSULTANTS, INC. DATED 4/27/2016.
- THE PROPERTY OUTLINE SHOWN ON THIS PLAN IS BASED ON A FIELD RUN (NAD 83) MONUMENTED BOUNDARY SURVEY PERFORMED BY MERCADO CONSULTANTS DATED APRIL 27, 2016.

**LEGEND**

- 10' INDEX CONTOUR
- 2' INDEX CONTOUR
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- 15% - 24.99% SLOPES
- EXISTING WOODED AREA
- SOILS DIVIDE
- EXISTING PERC. TEST LOCATION
- PROPOSED PERC. TEST LOCATION

**SOILS LEGEND**

GgA	GLENELG LOAM	0% - 3% SLOPES
GgB	GLENELG LOAM	3% - 8% SLOPES
GmB	GLENELG SILT LOAM	3% - 8% SLOPES
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APPROVED FOR PRIVATE WATER AND SEWERAGE  
HOWARD COUNTY HEALTH DEPARTMENT

PERCOLATION CERTIFICATION  
I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

HOWARD COUNTY HEALTH OFFICER      DATE

BRUCE D. BURTON PE      DATE  
MD. REG. NO. 19184

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 19184, EXPIRATION DATE: 6/30/17.

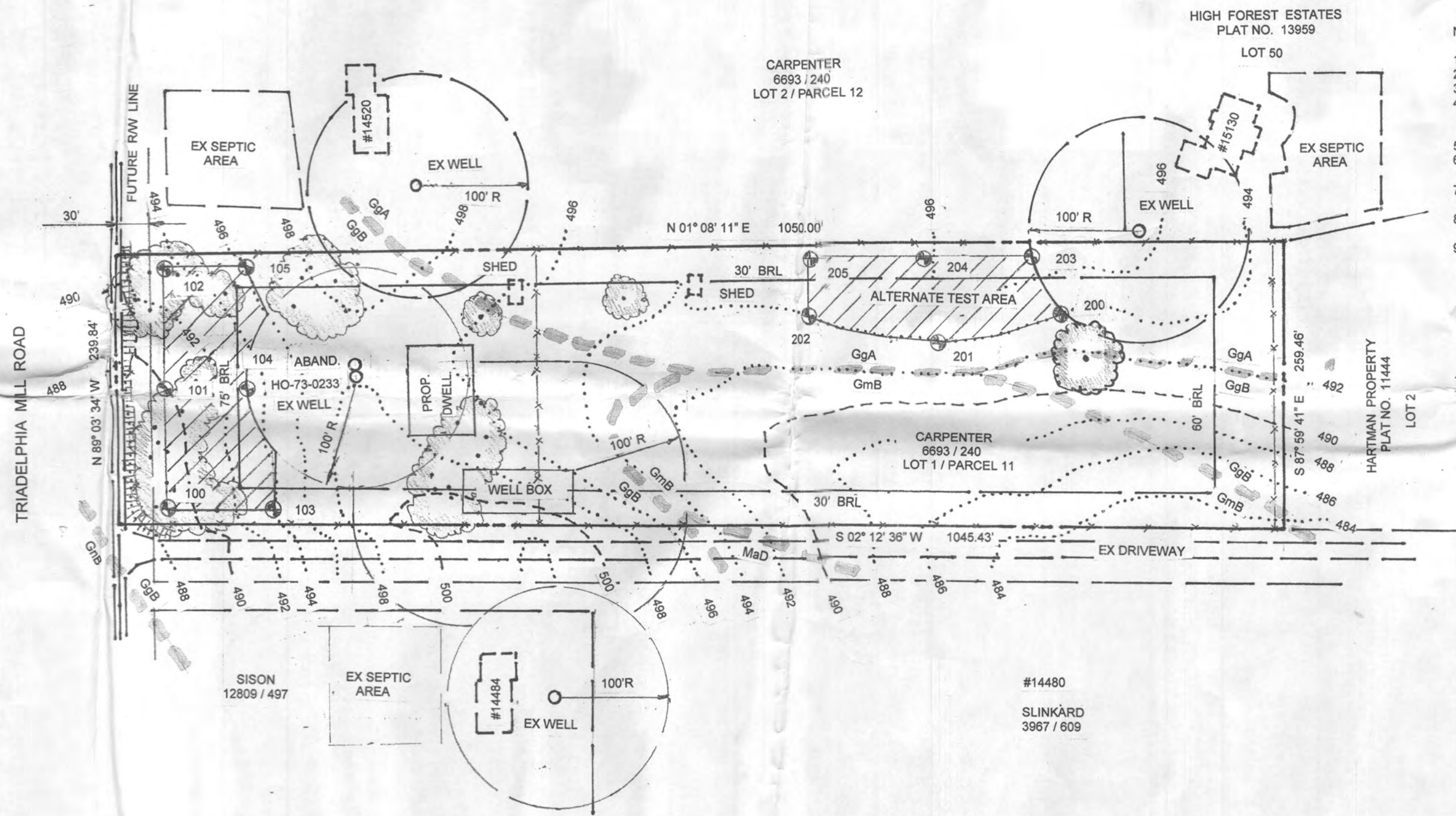
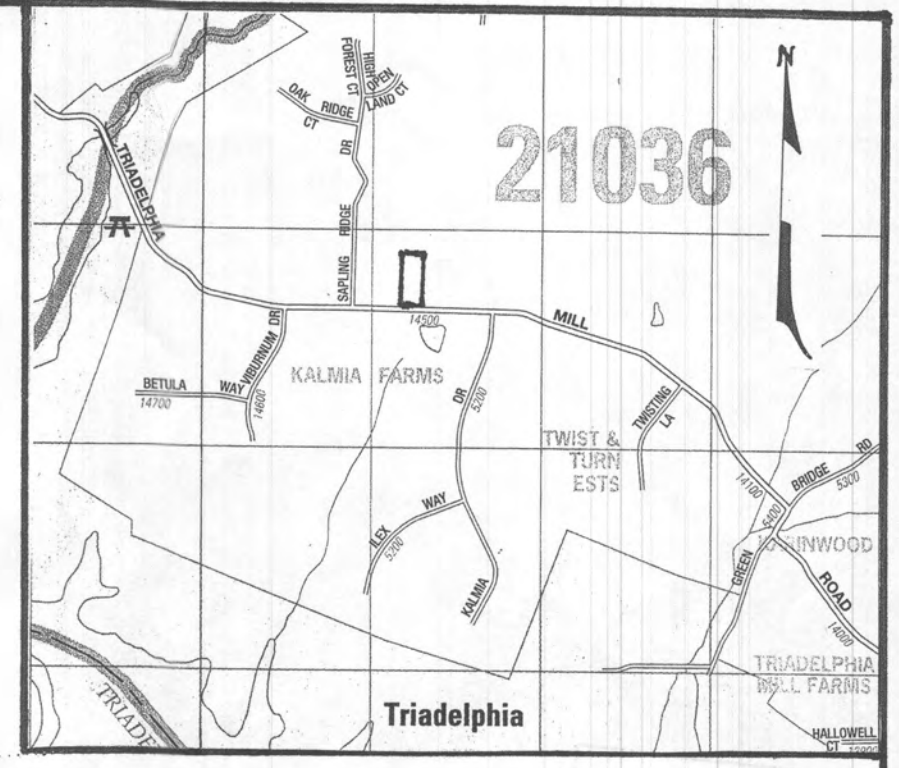
BRUCE D. BURTON      DATE

PERCOLATION TEST APPLICATION PLAN  
PROPERTY OF  
KENNETH R. CARPENTER, JR.  
LOT 1 PARCEL 11  
#14510 TRIADELPHIA MILL ROAD  
TAX ACCOUNT #05 - 370523  
TAX MAP 27 GRID 17 PARCEL 98  
5TH ELECTION DISTRICT HOWARD COUNTY, MD.  
DATE: 5/2016      SCALE: 1" = 100'

**LDE Inc.**  
Engineers • Surveyors • Planners  
Historic Carriage House • 7520 Main Street • Suite 203 • Sykesville, Maryland • 21784  
(410)795-6391 • (410)795-6392 • FAX(410)795-9540 • www.Landsurveyormd.com

OWNER  
KENNETH R. CARPENTER, JR.  
14520 TRIADELPHIA MILL ROAD  
DAYTON, MD 21036

CONTRACT PURCHASER  
MATHEW BROOKING  
JAMES L. SUIT  
17821 SANDCASTLE COURT  
OLNEY, MD 20832



- NOTES:
- EXISTING ZONING : RR - DEO/RURAL RESIDENTIAL
  - PLAT REFERENCE : DEED LIBER 6693 FOLIO 420
  - TOTAL AREA OF LOT : 6.0041 ACRES +/-
  - THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM LOT AREA AND OWNERSHIP WIDTH AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
  - THE WELL FOR THIS LOT HAS BEEN DRILLED AND FIELD LOCATED HO-73-0233.
  - ALL EXISTING WELLS AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE LOT WHICH MAY AFFECT THIS PROPOSAL HAVE BEEN SHOWN.
  - ANY CHANGES TO THE PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
  - THE PROPOSED DWELLING WILL REQUIRE A BEST AVAILABLE TECHNOLOGY (BAT) SEPTIC SYSTEM.
  - THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE REQUIRED.
  - THE TOPOGRAPHY IS FIELD RUN BY MERCADO CONSULTANTS, INC. DATED 4/27/2016.
  - THE PROPERTY OUTLINE SHOWN ON THIS PLAN IS BASED ON A FIELD RUN (NAD 83) MONUMENTED BOUNDARY SURVEY PERFORMED BY MERCADO CONSULTANTS DATED APRIL 27, 2016.

- LEGEND
- 10' INDEX CONTOUR
  - ..... 2' INDEX CONTOUR
  - ||||| 25% OR GREATER SLOPES
  - ||||| 15% - 24.99% SLOPES
  - ☼ EXISTING WOODED AREA
  - SOILS DIVIDE
  - ⊕ EXISTING PERC. TEST LOCATION
  - ⊙ PROPOSED PERC. TEST LOCATION

SOILS LEGEND

GgA	GLENELG LOAM	0% - 3% SLOPES
GgB	GLENELG LOAM	3% - 8% SLOPES
GmB	GLENELG SILT LOAM	3% - 8% SLOPES
GnB	GLENVILLE - BAILE SILT LOAMS	0% - 3% SLOPES
MaD	MANOR LOAM	15% - 25% SLOPES

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APPROVED FOR PRIVATE WATER AND SEWERAGE  
HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH OFFICER      DATE

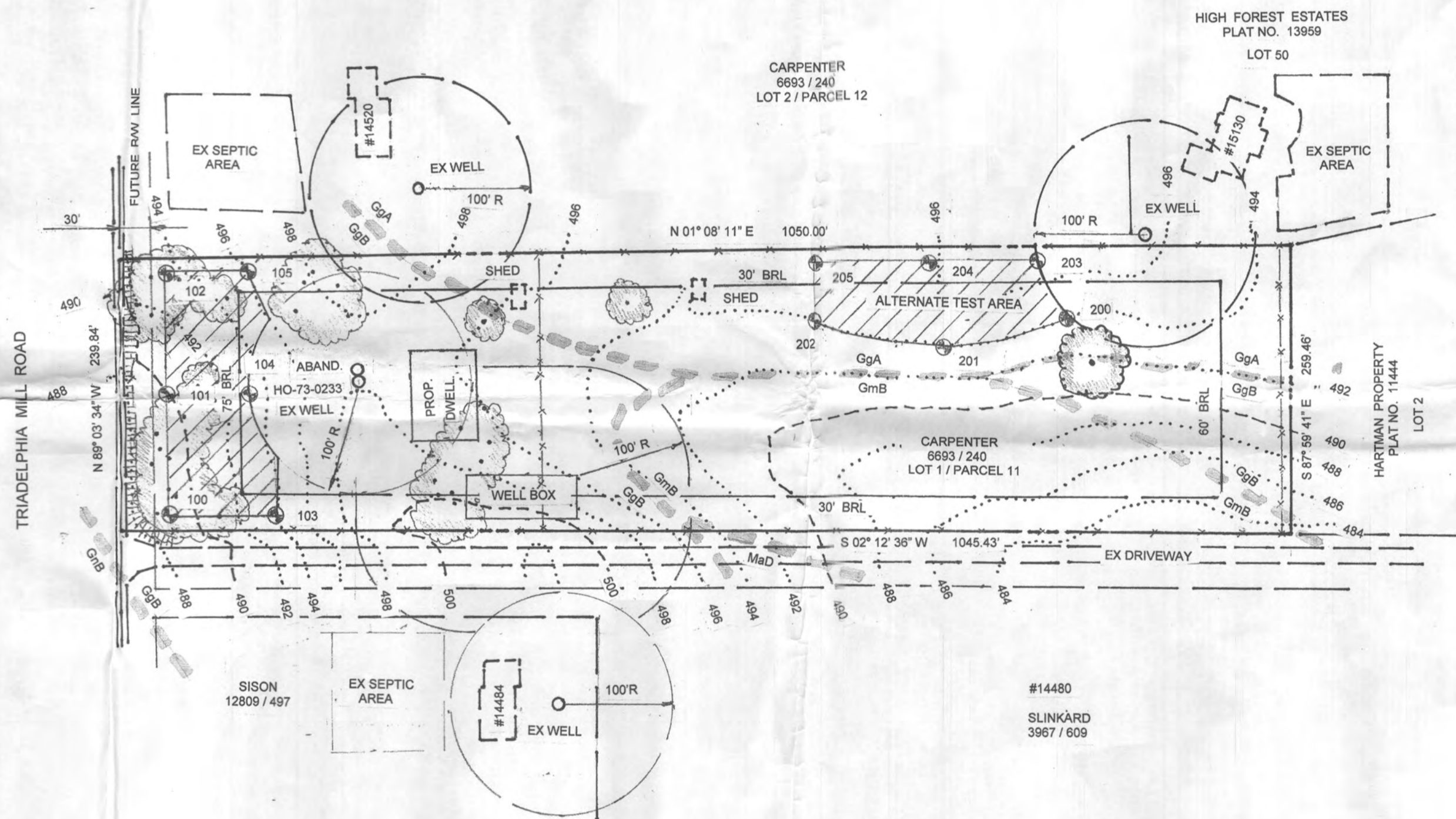
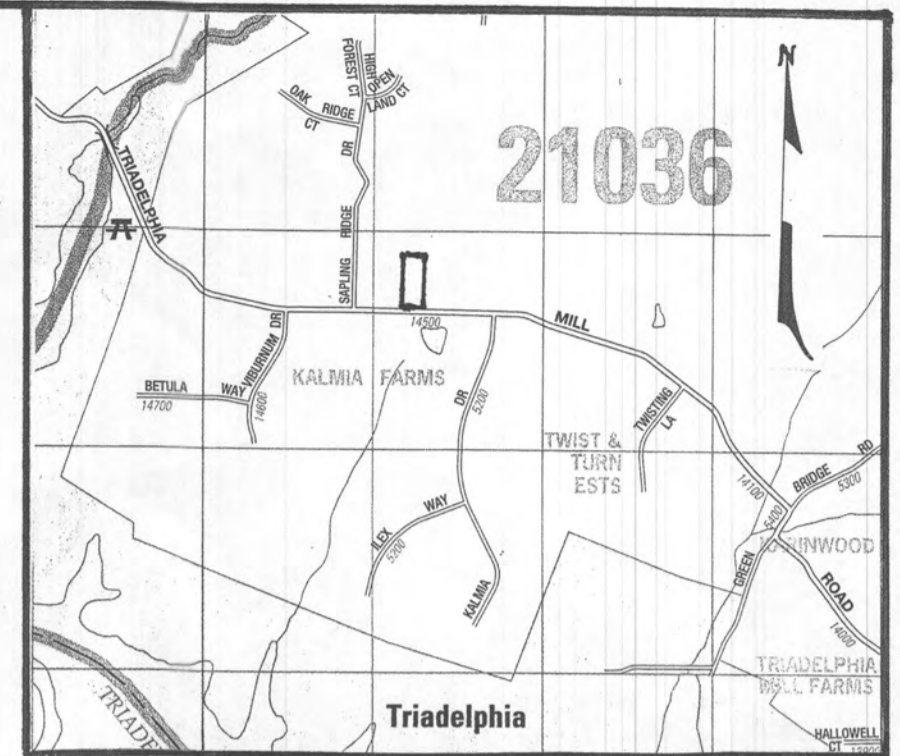
PERCOLATION CERTIFICATION  
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AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

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TAX MAP 27 GRID 17 PARCEL 96  
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BROOKING

FOR  
PICK UP