

Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

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

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME

PROPERTY ADDRESS 14788 CARRIAGE MILL RD WOODSIDE 21797

TAX ACCOUNT # TAX MAP GRID PARCEL LOT NO. PROPOSED LOT SIZE (ACRES)

ZONING CATEGORY TIER

PROPERTY OWNER(S) ANN ZAMUDIO

DAYTIME PHONE CELL EMAIL

MAILING ADDRESS 14788 CARRIAGE MILL RD WOODSIDE 21797

APPLICANT JESSIE GREGORY RELATIONSHIP TO OWNER: SISTER

DAYTIME PHONE 410 585 1756 CELL EMAIL GREGORYJESSIE@GMAIL.COM

MAILING ADDRESS 642 TANGLEWOOD DR SYKESTONE MD 21784

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

PROPERTY:

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

BUILDING:

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

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- YES
NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

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

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

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

SIGNATURE OF APPLICANT

DATE

3/9/18

Initial

$$5 \times 150 = 750$$

0.8

$$4.5 - 6 = 1.5 \text{ s.w.}$$

—

Show 2 systems

<u>1st</u>	16 A B1	4.5-8
0.8		
<u>2nd</u>	34 / 3 = 11.3	
0.8		4.5-8

—

Note: Ref.

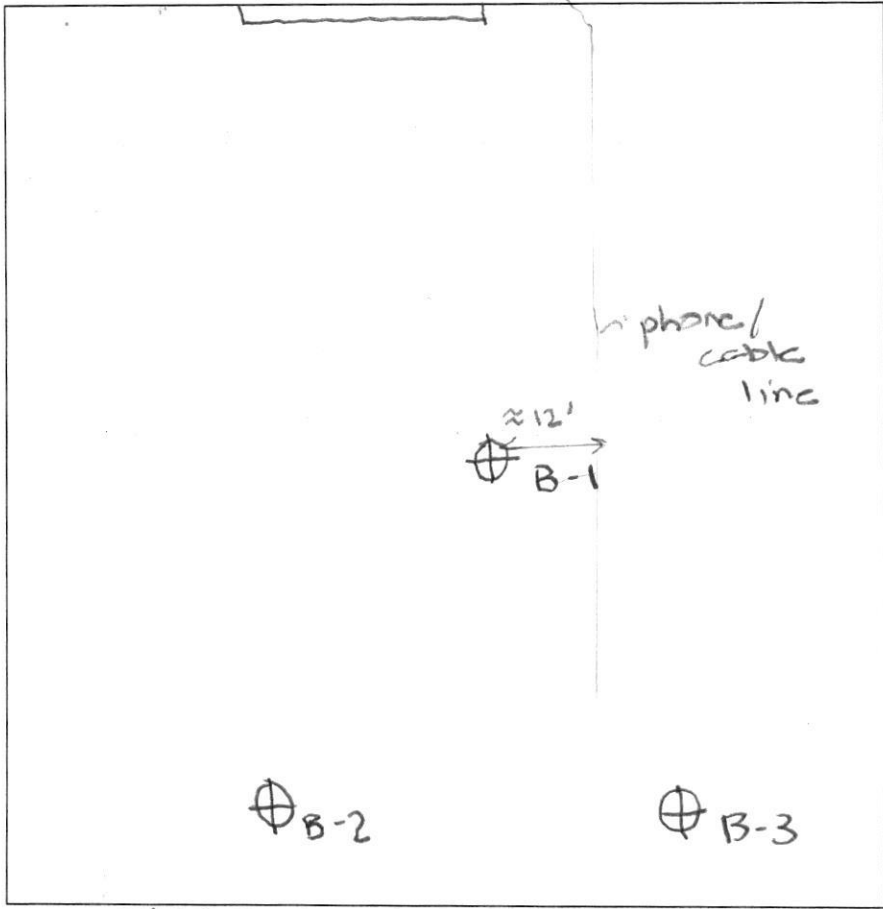
RECEIVED
 MAR 09 2018
 BUREAU OF ENVIRONMENTAL HEALTH

RECEIVED
 MAR 09 2018
 BUREAU OF ENVIRONMENTAL HEALTH

\$ 165

AP 562920

House



14788 Carriage Mill Rd

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
3/14/18	B-2	5 1/2'	8:41	8:45	8:56	11	P
	B-3	5 1/2'	8:51	9:03	9:18	15	P
	B-1	5.5/12'	9:02	9:12	9:32	20	P

REMARKS _____

SANITARIAN H. Oswald BACKHOE Foghts OTHERS _____

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

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

B-2
0.6' dk br l
red-br sil
4' Pak Red sil
6' Tan sil
12' dry

B-3
0.8' dk br l
red-br sil
4' Pak red sil
5 1/2-6' Tan sil
12' dry

B-1
0.7' dk br l
red-br sil
4' Pak red sil
12 1/2' dry

Oswald, Hank

From: Oswald, Hank
Sent: Wednesday, March 14, 2018 12:07 PM
To: 'joseph gregory'; GARY LANE
Cc: Williams, Jeffrey
Subject: Perc Test Results_14788 Carriage Mill Road
Attachments: Perc Test Results.pdf; Perc Test Plan Review Comments.pdf

Hello Gentlemen:

Attached, please find the perc test results for 14788 Carriage Mill Road along with the septic specs for the replacement systems and comments to the perc test plan. Should you have any questions, please don't hesitate to ask.

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

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HOWARD COUNTY HEALTH DEPARTMENT

62920

DATE
3/9/18

AS
43551-1563

Received From

PHONE #

CASH

CHECK

NO.
1032

For

Per App/14758
Carnegie Hill
RD.

Five hundred say _____ Dollars

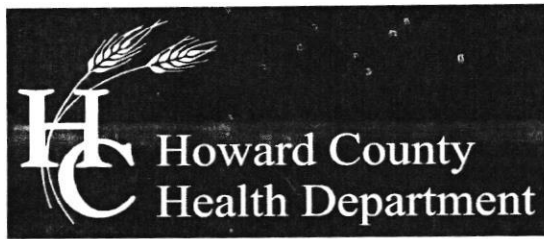
\$ 500.00

Received By

J King

Tony

4 461 2855



Bureau of Environmental Health

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Twitter: [HowardCoHealthDep](https://twitter.com/HowardCoHealthDep)

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

March 14, 2018

To: Gary Lane (Surveyor); Joseph Gregory (Builder)

Percolation Test Report; 14788 Carriage Mill Road, Woodbine, MD 21797

Percolation tests were conducted at 14788 Carriage Mill Road on March 14, 2018. Tests and profile descriptions were documented for 3 locations. All 3 test holes passed.

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Areas that may be included in the septic reserve area are represented by test locations having satisfactory soil condition. The area must be large enough to accommodate 3 systems for the planned 5 bedroom residence.

The next step in the process is to have an engineer submit a percolation certification plan to confirm the design of the septic reserve area.

Should you have any questions regarding this evaluation, please don't hesitate to contact me. I may be reached at (410) 313-1786 or by email hoswald@howardcountymd.gov

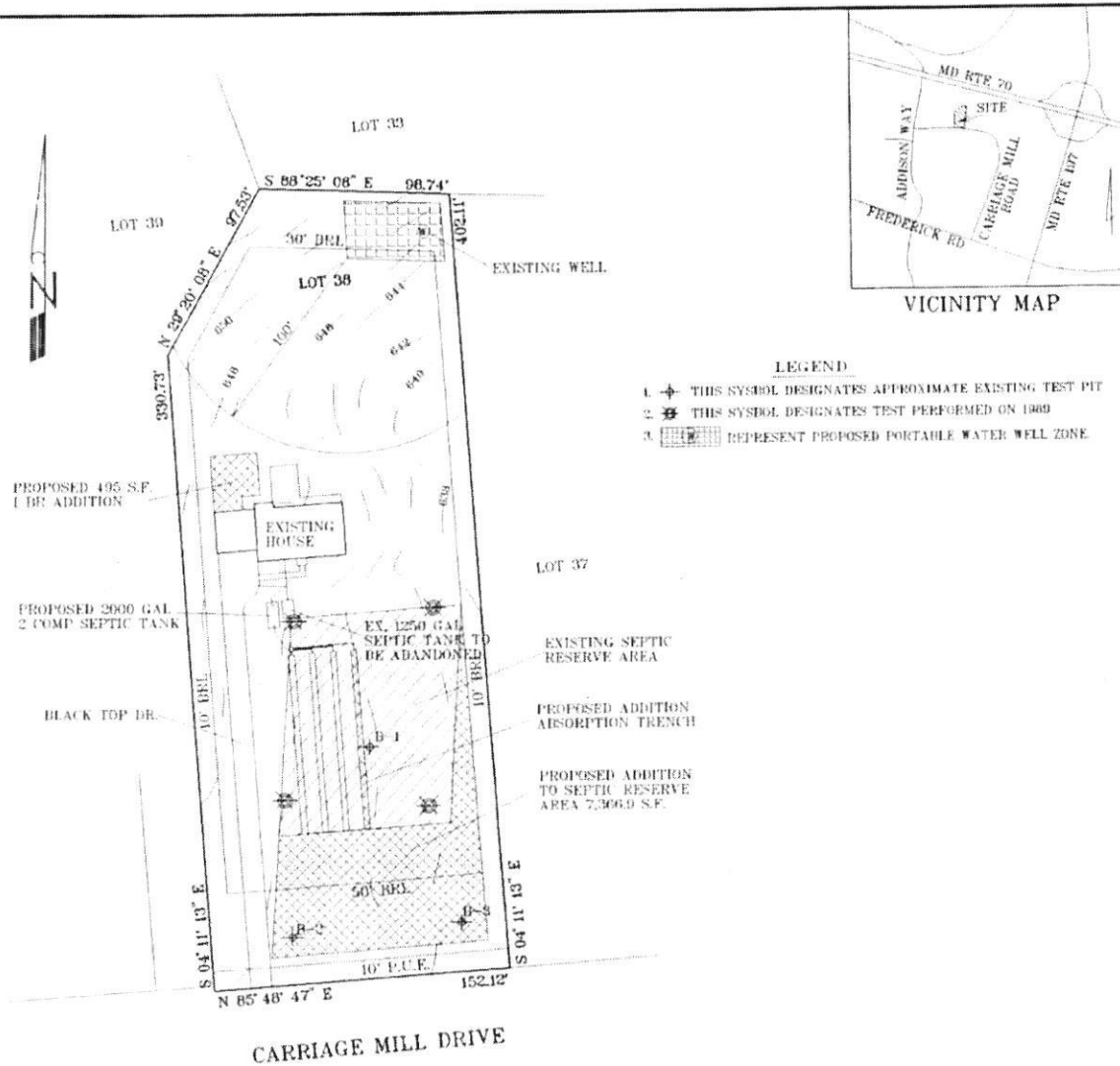
Respectfully,

Hank Oswald

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

Attachment: Percolation Test Field Notes

- GENERAL NOTES**
- 1) THERE IS NO GRADING ON THIS SITE.
 - 2) DISTURBED AREA FOR THIS SITE IS 500 SQ.FT.
 - 3) SITE ZONING IS RC-DEO.
 - 4) THE PURPOSE OF THIS SURVEY IS TO SHOW EXISTING SITE CONDITIONS AND LOCATIONS FOR THE HOUSE ADDITION.
 - 5) 1999 PERC RESULTS 11 MIN AVG. 210SF/DR ABSORPTION AREA REQUIRED TRENCH DIMS 04.3L X W X 5.5D W/2 STONE BELOW PIPE.
 - 6) THE AREA DESIGNATES A PRIVATE SEWAGE AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE AREAS SHALL 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 AREA. REORDINATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
 - 7) ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - 8) THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
 - 9) TOPOGRAPHY SHOWN IS AT TWO FOOT CONTOUR INTERVALS (ONE FOOT INTERVALS ARE REQUIRED FOR MOUND SYSTEMS AND SYSTEMS WITH PIPE BETH LESS THAN TWO FEET.) AND HAS BEEN FIELD VERIFIED OR FIELD RUN.
 - 10) ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION PLAN.
 - 11) THE SUBJECT PROPERTY HAS A LIMITATION OF FIVE (5) BEDROOMS UNLESS AN EXHIBIT PRESENTED BY CERTIFIED PROFESSIONAL DEMONSTRATES THAT THE APPROVED SEWAGE DISPOSAL AREA WILL ACCOMMODATE THE WASTEWATER DISCHARGE FOR A RESIDENCE HAVING MORE THAN 4 BEDROOMS.
 - 12) THE CASING OF THE EXISTING WELL MUST BE EXTENDED TO MEET CODE REQUIREMENT, AND A PITLESS ADAPTER FITTED TO IT, PRIOR TO HEALTH DEPARTMENT APPROVAL OF THE BUILDING PERMIT FOR AN ADDITION TO THE RESIDENCE.



REVISED PERCOLATION CERTIFICATION PLAN

I Herby Certify That These Documents Were Prepared By Me and That I Am a Duly Licensed Property Line Surveyor Under The Laws Of The State Of Maryland, License No. 574, exp Date 03/21/19			
Gary E. Lane P.L.S.	Date	SCALE 1" = 40'	DWG. BY G.E.L.
Approved For Private Water and Private Sewerage Systems		LIBER 16995	ELECTION DISTRICT 04
		FOLIO 174	COUNTY HOWARD
		PLAT BOOK	DATE 02/22/18
Health Officer, Howard County Health, Dept.	Date	PLAT NO. 13558	

OWNER / DEVELOPER
JAVIER & ANN ZAMUDIO
 14788 CARRIAGE MILL ROAD
 WOODBINE MD 21797
 240-678-2739

MARYLAND LAND SURVEYING
 CONSULTING LAND SURVEYORS AND PLANNERS
 6890 LYON AVENUE
 LAUREL, MARYLAND 20723
 (301) 206-2258

Oswald, Hank

From: Oswald, Hank
Sent: Wednesday, May 16, 2018 2:35 PM
To: 'Ann Zamudio'
Cc: surlane@comcast.net; GREGORYREMODELING@GMAIL.COM; Wolf, Kevin
Subject: RE: Perc Cert Plan_14788 Carriage Mill Road

Hi Ann:

Good afternoon. The perc cert plan was approved today. Please have your septic contractor call in and schedule a septic tank layout inspection (410) 313- 1771. It looks like the tank replacement septic permit has already been paid. As soon as the tank has been installed/approved, the building permit can be approved by this office. Let me know if you have any questions.

Thanks,

Hank

From: Ann Zamudio [<mailto:clevergrethel99@gmail.com>]
Sent: Wednesday, May 16, 2018 1:32 PM
To: Oswald, Hank
Subject: Re: Perc Cert Plan_14788 Carriage Mill Road

Hi Hank

Any news on whether the perc plan has been approved?

Thanks
Ann

On Mon, May 14, 2018 at 10:45 AM, Oswald, Hank <hoswald@howardcountymd.gov> wrote:

Hi Gary:

The Perc Cert Plan for 14788 Carriage Mill Road came back with the following comments:

- 1.) The well box does not meet the 10 foot setback to the property line (currently 5 foot from property line).
- 2.) Strike note # 15 from plan. It does not apply.

You may come in to the office to redline the plan or resubmit 3 copies of the revised plan.

Thanks,

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

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--

Ann Zamudio

Owner

Clever Gretel Productions

Boutique videography to capture your important moments

Oswald, Hank

From: Oswald, Hank
Sent: Thursday, April 12, 2018 8:58 AM
To: surlane@comcast.net
Cc: GREGORYREMODELING@GMAIL.COM
Subject: Perc Cert Comments_14788 Carriage Mill Road
Attachments: PERC CERT Memo To MD Land Surveying__2018.pdf

Hi Gary:

Attached, please find memo for the revised perc cert on 14788 Carriage Mill Road. Should you have any questions, please don't hesitate to ask.

Thanks,

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

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Gary Lane

/

Oswald, Hank

From: Oswald, Hank
Sent: Wednesday, May 09, 2018 3:00 PM
To: surlane@comcast.net
Cc: Ann Zamudio <clevergrethel99@gmail.com> (clevergrethel99@gmail.com)
Subject: Perc Cert Plan_14788 Carriage Mill Road

Hi Gary:

I believe with the following changes, the perc cert plan for 14788 Carriage Mill Road can be submitted for final review and approval.

- 1.) Add "of at least 10,000 square feet" to note #6 after the word "Area".
- 2.) Strike out note #14.
- 3.) Add (who field verified the topography and date of verification) to the end of note #9.

You may add these changes by coming into the office or revise the plan and send 3 copies for signature. Please let me know if you have any questions.

Thanks,

Hank

Hank Oswald
Licensed Environmental Health Specialist
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
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5.1.18 - Jeff spoke w/ homeowner about making changes noted below. H.O.

SEPTIC TRENCH SIZING

SYSTEM	APPLICATION RATE (GPD / SF)	MAXIMUM FLOW RATE (GPD)	AREA OF REQUIRED TRENCH (SF)	TRENCH WIDTH (FT)	LENGTH OF TRENCH REQUIRED (LF)	DEPTH OF TRENCH (FT)	TRENCH BOTTOM REDUCTION FACTOR	ADJUSTED LENGTH OF TRENCH REQUIRED (LF)	MINIMUM TRENCH SPACING (FT)	NUMBER OF TRENCHES	PROVIDED TRENCH LENGTH (FT)
EXISTING	0.8	750	937.5	3	312.5	4.5	0.71	221.9	10.0	3	280
FIRST REP	0.8	750	937.5	3	312.5	4.5	0.45	140.6	10.0	2	140.6
SECOND REP	0.8	750	937.5	3	312.5	4.5	0.45	140.6	10.0	2	140.6

Area of trench required = $5 \times 150 = 750 \text{ gpd}/0.8 = 937.5$
 Length of trench required = $937.5/3 \text{ ft.} = 312.5$
 Trench Reduction
 Initial = .71
 First Replacement = .45
 Second replacement = .45
 Required length of Trench (LF)
 initial = 221.9 (the existing system will be considered the initial system)
 First replacement = 140.6 (2-70.3ft. trenches)
 Second replacement = 140.6 (2-70.3ft. trenches)

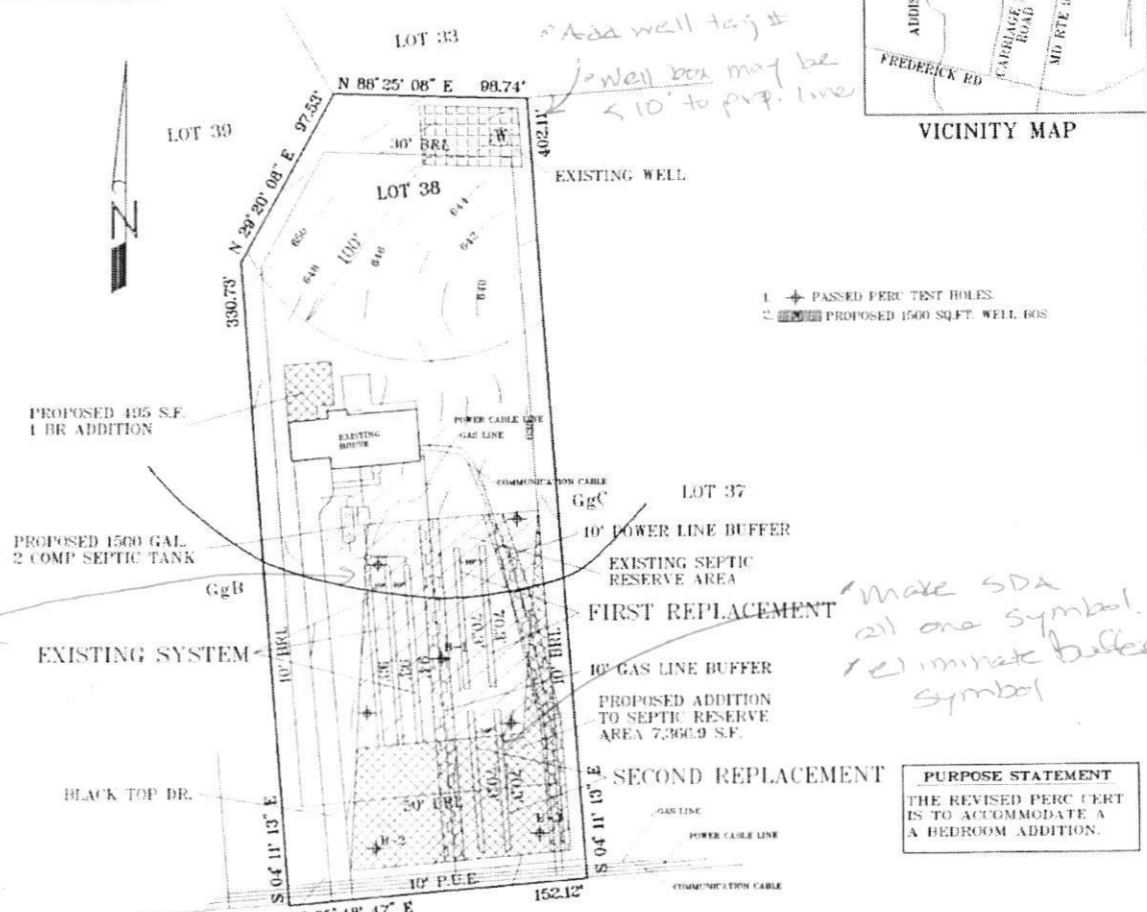
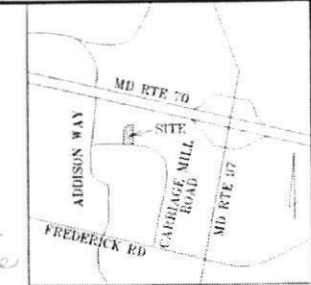
GENERAL NOTES

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- FUTURE REPLACEMENT SYSTEMS MAY INVOLVE REROUTING THE EXISTING PHONE AND CABLE LINES.
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- THE EXISTING WELL WITH TAG # HO-04-2207 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- THE GAS LINES WERE FIELD LOCATED PER MD UTILITY MARKING AND HAS BEEN FIELD LOCATED.

Change topography note to field verify by name on date.

Add 102 sq ft to rock.

Add old test hole #3.



SOILS TABLE

SYMBOL	RATING	NAME	K FACTOR	SOIL MAP #
GgB	(B)	GLENELG LOAM, 3-8% SLOPES.	.20	20
GgC	(B)	GLENELG LOAM, 8-15% SLOPES.	.20	20

REVISED PERCOLATION CERTIFICATION PLAN

I hereby certify that these documents were prepared by me and that I am a duly licensed property line surveyor under the laws of the state of Maryland, license no. 074, exp date 03/21/19.

Gary E. Lane P.L.S.	Date	SCALE	1" = 40'	ENC. BY	G.E.L.	CASE NO.	
Approved For Private Water and Private Sewerage Systems		LIBR	16595	ELECTION	DISTRICT 04	COUNTY	HEMARD
Health Officer, Howard County Health, Dept.	Date	PLAT BOOK	PLAT NO. 12558	DATE	02/22/18		

OWNER / DEVELOPER

JAVIER & ANN ZAMUDIO
 14788 CARRIAGE MILL ROAD
 WOODBINE, MD 21797
 240-878-2739

MARYLAND LAND SURVEYING

CONSULTING LAND SURVEYORS AND PLANNERS
 9800 LYON AVENUE
 LAUREL, MARYLAND 20723
 (301) 206-2258

PURPOSE STATEMENT

THE REVISED PERC CERT IS TO ACCOMMODATE A A BEDROOM ADDITION.

Oswald, Hank

From: Oswald, Hank
Sent: Monday, May 14, 2018 10:45 AM
To: surlane@comcast.net
Cc: Ann Zamudio <clevergrethel99@gmail.com> (clevergrethel99@gmail.com)
Subject: Perc Cert Plan_14788 Carriage Mill Road

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Thanks,

Hank

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FINISH Gary Efan PLS
05/14/18

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Area of trench required = $5 \times 150 = 750\text{gpd}/0.8 = 937.5$
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GENERAL NOTES

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- 12) THE EXISTING WELL WITH TAG # HO-94-2287 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- 13) THE GAS LINES WERE FIELD LOCATED PER Ms UTUHIY MARKING AND HAS BEEN FIELD LOCATED.

SOILS TABLE

SYMBOL	RATING	NAME	K FACTOR	SOIL MAP #
GgB	(B)	GLENELG LOAM, 3-8% SLOPES.	.20	20
GgC	(B)	GLENELG LOAM, 8-15% SLOPES.	.20	20

REVISED PERCOLATION CERTIFICATION PLAN

I Herby Certify That These Documents Were Prepared By Me and That I Am a Duly Licensed Property Line Surveyor Under The Laws Of The State Of Maryland, License No. 574, exp Date 03/21/19.

Gary E. Lane P.L.S.



Date

Approved For Private Water and Private Sewerage Systems

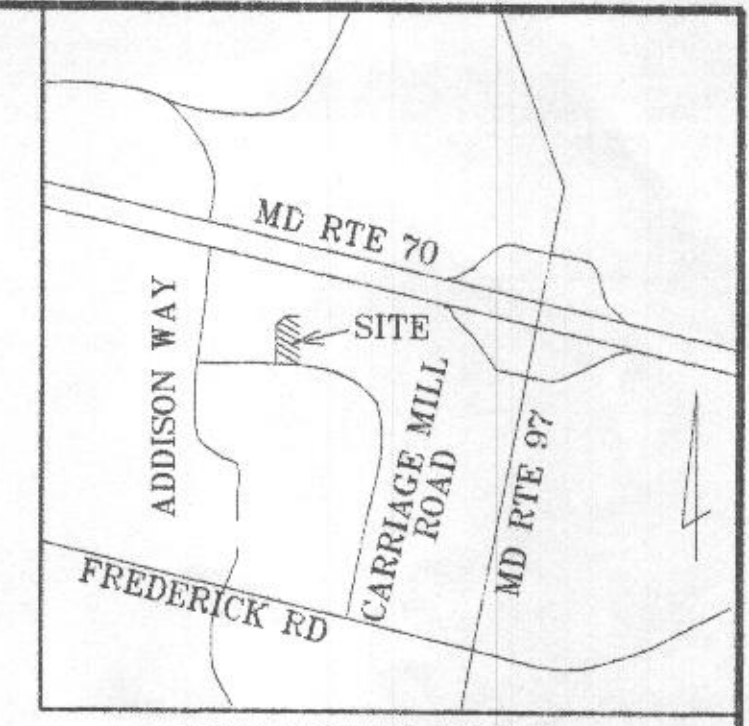
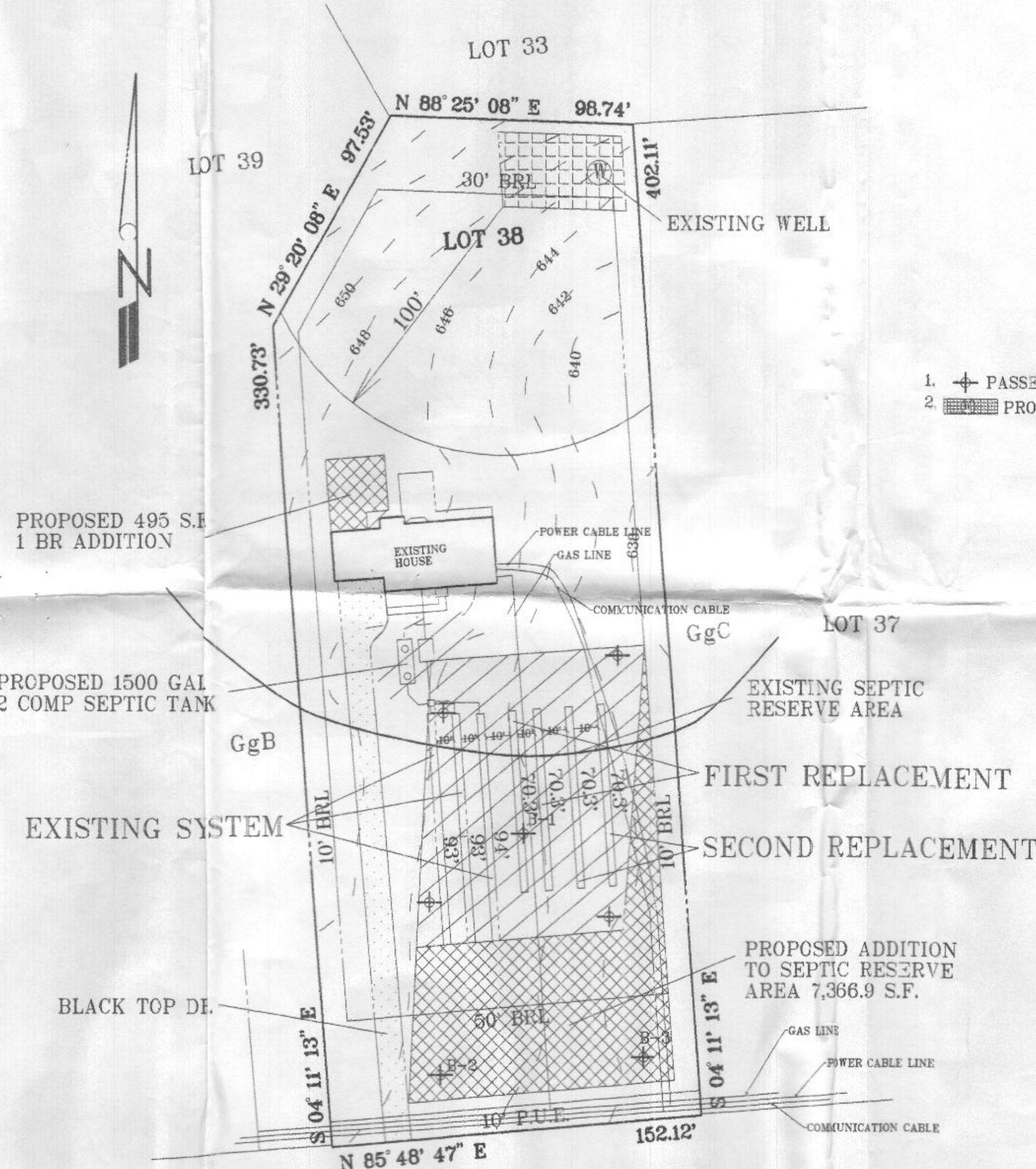
Health Officer, Howard County Health, Dept.

Date

SCALE 1" = 40'	DWG. BY G.E.L.	CASE No.
LITER 16995	ELECTION DISTRICT 04	COUNTY HOWARD
FOLIO 174		
PLAT BOOK PLAT NO. 13558		DATE 02/22/18

OWNER / DEVELOPER
 JAVIER & ANN ZAMUDIO
 14788 CARRIAGE MILL ROAD
 WOODBINE, MD 21797
 240-678-2739

MARYLAND LAND SURVEYING
 CONSULTING LAND SURVEYORS AND PLANNERS
 9890 LYON AVENUE
 LAUREL, MARYLAND 20723
 (301) 206-2258



VICINITY MAP

1. PASSED PERC TEST HOLES.
2. PROPOSED 1500 SQ.FT. WELL BOS

PURPOSE STATEMENT
 THE REVISED PERC CERT IS TO ACCOMMODATE A A BEDROOM ADDITION.