

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 Gatewood Property
PROPERTY ADDRESS Brighton Dam Road Clarksville MD 21029
STREET TOWN ZIP
TAX ACCOUNT # 05-350778 TAX MAP 34 GRID 13 PARCEL 232 LOT NO. — PROPOSED LOT SIZE (ACRES) 1.00 AC
ZONING CATEGORY RR-DEO TIER 4

PROPERTY OWNER(S) Shawn Gatewood

DAYTIME PHONE _____ CELL _____ EMAIL _____
MAILING ADDRESS 1706 Woodman Ave Silver Spring MD 20902
STREET CITY, STATE ZIP

APPLICANT Linda Alexander RELATIONSHIP TO OWNER: Engineer
DAYTIME PHONE 443-375-9903 CELL — EMAIL lalexander@clsimail.com
MAILING ADDRESS 439 E. Main Street Westminster, MD 21157
STREET CITY, STATE ZIP

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

PROPERTY:

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

BUILDING:

- ☐ RESIDENTIAL WITH _____ 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.

Linda Alexander
SIGNATURE OF APPLICANT

9-15-2017
DATE



HOWARD COUNTY HEALTH DEPARTMENT

61538

DATE 9/28/17

15

Received From

Tanaka Godwood

PHONE #

202-810-9132

☐ CASH

☒ CHECK

NO.

13024
12803

For

RCV Ccpp / Biv - New Day
28, Mar 31 - Sick
placed 232 13
Five hundred ten

Dollars

\$

500.00

Received By

King

RECEIVED
SEP 28 2017

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF EPIDEMIOLOGY

Map 043 Grid 13, Parcel 232

A/P

P-4
Red Brown
Sch 3.8
Red Brown
yellow
Sch
very little
Mica
5-10% R4
Red Brown
yellow
FSL
many mica 4'

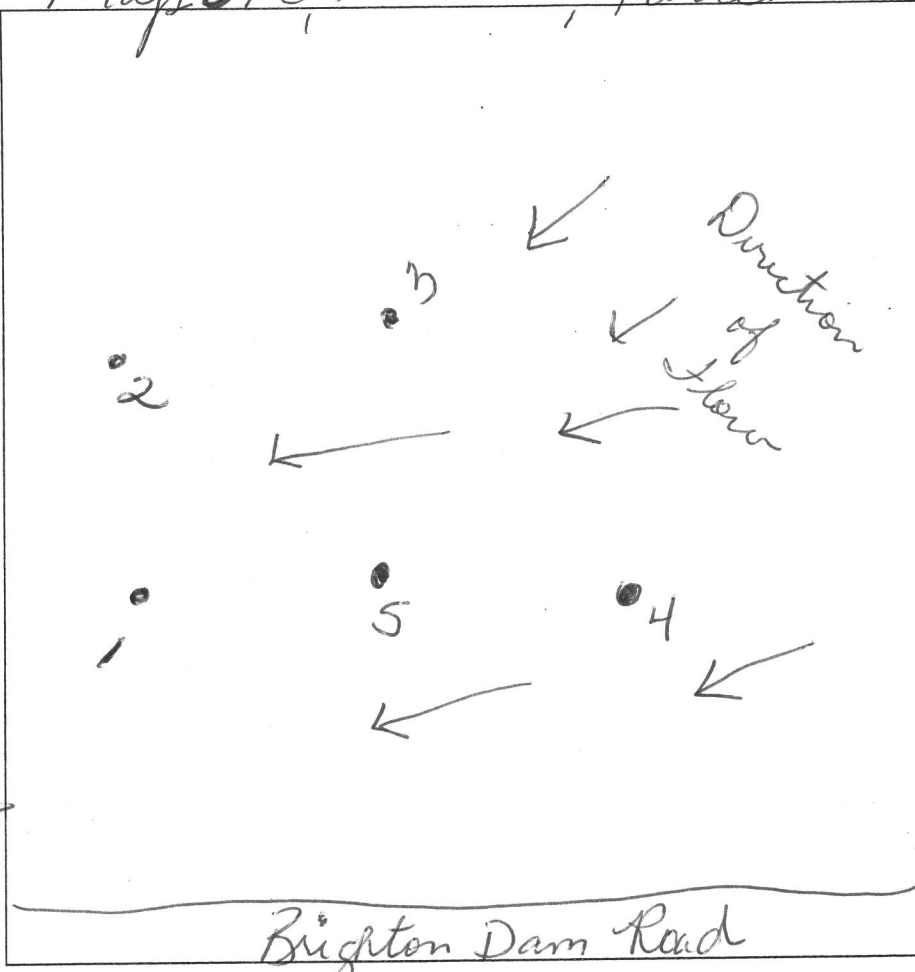
P-5
Red Brown
yellow
Sch 4.0'
Red Brown
yellow
Sch
5-10%
R4
very little
Mica 4'
Red Brown
yellow Sch
many mica

P-1
Red Brown
yellow
Sch 4'
Red Brown
yellow
Sch
10-20%
R4
Shale
white sl
D 14

P-2
Red Brown
yellow
Sch 4'

Red Brown
yellow
Sch
10-50%
R4
Shale
C 12'

P-3
Red Brown
yellow
Sch 4.0'
Red Brown
yellow
Sch
5-10%
R4
Many
mica 14'



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
12-21-17	P-1	4/14	1:31	1:39	1:49	10 min	P
12-21-17	P-2	4/14	1:25	1:28	1:31	3 min	P
12-21-17	P-3	5.2/14	1:46	1:49	1:55	6 min	P
12-21-17	P-4	3.8/14	1:11	1:20	1:29	9 min	P
12-21-17	P-5	4/3	1:31	1:38	1:42	4 min	P

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



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

DATE: February 14, 2018

I have reviewed your proposed percolation plan and the following items must be revised.

- The SDA created cannot be used because we don't have percolation data to support the bottom portion of this area between holes 1 and 4. The design of the SDA must be revised and may extend out from the percolation holes 20-30 feet. I have attached an example of what your SDA may look like. With this revision we must revised the trenches to accommodate this new design.
- Show the exact house site or use the minimum required 55 X 70 for the dimension of the house.
- The existing well must be labeled "To be Abandoned"
- The existing septic system must be labeled "To Be Abandoned"
- A note must be added to the general notes stating: All wells must be drilled prior to the signing of the plat or the release of any building permits.

Thank you & Have a

(,.,.' (,.,.' * Wonderful Day !

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

cc: Well & Septic program file

Website: www.hchealth.org **Facebook:** www.facebook.com/hocohealth **Twitter:** @HoCoHealth

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

MEMORANDUM

TO: NJR & Associates
2770 State Route 32
West Friendship, MD 21794

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

RE: Perc Cert/OSDS Plan
Plan Review Comments
13842 Brighton Dam Road

Date: January 29, 2020

The percolation certification and OSDS plan for 13842 Brighton Dam Road have been reviewed with the following comments:

Perc Cert Plan Comments:

- ✓ 1.) The revised perc cert plan must have only one professional seal or signed statement.
- ✓ 2.) The revised perc cert shows an existing shed. Does the shed still exist? If not, then eliminate it or label to be removed (if applicable).
- ✓ 3.) Show the existing well and tag #.
- ✓ 4.) Add note; The existing well (tag #) has been field located by NAME on DATE.
- ✓ 5.) Delete trenches.
- ✓ 6.) Delete calculations.
- ✓ 7.) Make all well radius to scale.
- ✓ 8.) Match legend symbol for the sewage disposal area to the plan (i.e. show cross hatch marks within symbol).
- ✗ 9.) If you are going to fit 3 systems within the new SDA to avoid a BAT unit, then change septic note on perc cert plan to read, one initial and 2 replacement systems. Also eliminate pretreatment verbiage.
- ✓ 10.) Eliminate duplicate notes.
- ✓ 11.) Remove old Health Officer signature on plan.
- ✓ 12.) Show exact house site on plan.

OSDS Plan Comments:

- 13.) Make trench lengths to scale within the SDA. For example, some trenches don't exactly measure the proposed length as shown in the calculation i.e. 43.5 ft. instead of 44 ft.
- 14.) Is the impermeable/lined micro bioretention pond also shown on the ECP plan? Provide a cross section detail of the pond?
- 15.) The neighboring well should be 50 feet from the 498-elevation line around the pond.

Oswald, Hank

From: Williams, Jeffrey
Sent: Friday, August 16, 2019 1:19 PM
To: Oswald, Hank
Subject: FW: Septic Specs needed
Attachments: RUXBURY-PREL-PLAN.pdf; BRIGHTON-DAM-SURVEY.pdf; Perc recertification Plat signed.pdf

Hank: Can you please provide spec sheets for these properties. Let me know if you can't find any of the files or have other trouble. Thanks
Jeff

From: roshannj@aol.com <roshannj@aol.com>
Sent: Friday, August 16, 2019 11:23 AM
To: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Cc: gphillips@mred.us; mlanigan@carusohomes.com
Subject: Septic Specs needed

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

Good morning Mr. Williams,

We need the Septic Specs for the following three properties:

- 1- 4375 Old Roxbury Road, Brookeville. Lot-2, Plat 20858.
- 2- Parcel 232, Tax Map-34, Grid 13 off of Brighton Dam Road, Clarksville.
- 3- Lot-10, Property of Nicholas O Sharp, 3720 Sharp Road, Glenwood.

I am also attaching some plans for these three sites for reference.

Thank you
Najib Roshan, LS
NJR & Associates, LLC
2770 Route 32
West Friendship, MD 21794
PH (240) 508-3200
roshannj@aol.com

439 East Main Street
Westminster, MD 21157-5539



(410) 848-1790 • (301) 662-1799
FAX (410) 848-1791

Transmit To:

Bureau of Environmental Health
Howard County Health Department
8930 Stanford Boulevard
Columbia, MD 21046

Project Info:

GATEWOOD PROPERTY
Brighton Dam Road
Siver Spring, MD

Project No: 2017160

Date: Jan 31, 2018

We are Transmitting:

- | | | | | | |
|---|--|---|--|---|--------------------------|
| <input checked="" type="checkbox"/> Here with | <input type="checkbox"/> Originals | <input type="checkbox"/> Computer Media | <input type="checkbox"/> Shop Drawings | <input checked="" type="checkbox"/> Via Messenger | <input type="checkbox"/> |
| <input type="checkbox"/> Our | <input checked="" type="checkbox"/> Prints | <input type="checkbox"/> Project Manuals | <input type="checkbox"/> Payment Cert. | <input type="checkbox"/> Express Mail | <input type="checkbox"/> |
| <input type="checkbox"/> Your | <input type="checkbox"/> Copies | <input type="checkbox"/> Product Literature | <input type="checkbox"/> Change Order | <input type="checkbox"/> 1st Class Mail | <input type="checkbox"/> |

Sets	Type	Dwg No	Dated	Description
3	D Size Bond Copies		1/30/2018	Perc Cert Plan

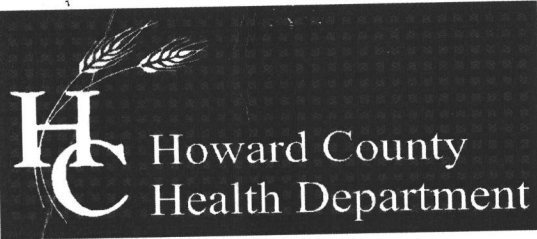
- | | | | | |
|---------------------------------------|--|--------------------------------------|--|--------------------------|
| <input type="checkbox"/> As Requested | <input type="checkbox"/> For Your Use | <input type="checkbox"/> For Filing | <input checked="" type="checkbox"/> For Approval | <input type="checkbox"/> |
| <input type="checkbox"/> As Required | <input type="checkbox"/> For Your Review | <input type="checkbox"/> For Bidding | <input type="checkbox"/> As Discussed | <input type="checkbox"/> |

Remarks:

Copy To

If enclosures are not as noted,
please notify us immediately.

Linda D. Alexander



Office of the Health Officer
8930 Stanford Blvd., Columbia, MD 21045
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Face book: www.facebook.com/hocohealth
Twitter: HowardCoHealthDep

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

TO: CLSI Engineering, Inc.
C/O Linda Alexander
Via E-mail: clsilalexander@clsimail.com

FROM: Dana Bernard, REHS/L.E.H.S.
Well and Septic Program

RE: Brighten Dam Road, Tax Map 643, Grid, 13, Parcel 232
Percolation Certification Testing Results

DATE: January 5, 2018

Percolation testing was conducted on the referenced property on December 21, 2018. The proposed for conducting these percolation tests was for an anticipated establishment of a sewage disposal area for 1 lot.

A total of five (5) test holes evaluated and five (5) were found to be satisfactory with moderate percolation rates. Acceptable ranges for recommended inlet and trench bottom depth, and usable sidewall are indicated, and may be confirmed at the time of installation for the five (5) percolation test holes which were satisfactory. Field data collected is shown on the Percolation Test Worksheet enclosed with this letter.

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Areas that may be included in a septic reserve are represented by test locations having satisfactory soil conditions. The area of the septic reserve must be at least 10,000 square feet, though Howard County Code [3.805.A.2.X] requires that the area be large enough to accommodate an initial drain field and two repair drain fields for the planned residence.

The next step in this process is to submit a Percolation Certification Plan to confirm the design of the septic reserve areas. Your plan must contain all of the surrounding properties including the septic and well areas. If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by telephone at (410) 313-2775.

Sincerely,

Dana Bernard, REHS/RS
Environmental Specialist II

Phone (410) 313-2775

Fax (410) 313-2648

E-mail: DBernard@howardcountymd.gov

Real Property Data Search

Search Result for HOWARD COUNTY

View Map		View GroundRent Redemption		View GroundRent Registration	
Account Identifier:		District - 05 Account Number - 350778			
Owner Information					
Owner Name:	GATEWOOD SHAWN GATEWOOD TRACEY ETAL		Use:	RESIDENTIAL	
Mailing Address:	1706 WOODMAN AVE SILVER SPRING MD 20902-		Principal Residence:	NO	
			Deed Reference:	/17001/ 00293	
Location & Structure Information					
Premises Address:		BRIGHTON DAM RD CLARKSVILLE 21029-0000		Legal Description:	1 ACRE BRIGHTON DAM RD
Map:	Grid:	Parcel:	Sub District:	Subdivision:	Section:
0034	0013	0232		0000	
			Block:	Lot:	Assessment Year:
					2017
Special Tax Areas:			Town:	NONE	
			Ad Valorem:	100	
			Tax Class:		
Primary Structure Built		Above Grade Living Area	Finished Basement Area	Property Land Area	County Use
				1.0000 AC	
Stories	Basement	Type	Exterior	Full/Half Bath	Garage
					Last Major Renovation
Value Information					
		Base Value	Value	Phase-in Assessments	
			As of	As of	
			01/01/2017	07/01/2017	
Land:		212,500	212,500		
Improvements		0	0		
Total:		212,500	212,500	212,500	212,500
Preferential Land:		0			0
Transfer Information					
Seller: GATEWOOD GEORGE L JR		Date: 07/27/2016		Price: \$0	
Type: NON-ARMS LENGTH OTHER		Deed1: /17001/ 00293		Deed2:	
Seller: GATEWOOD GEORGE K JR		Date: 02/16/1988		Price: \$2,500	
Type: NON-ARMS LENGTH OTHER		Deed1: /01786/ 00711		Deed2:	
Seller:		Date:		Price:	
Type:		Deed1:		Deed2:	
Exemption Information					
Partial Exempt Assessments:		Class	07/01/2017		07/01/2018
County:		000	0.00		
State:		000	0.00		
Municipal:		000	0.00 0.00		0.00 0.00
Tax Exempt:		Special Tax Recapture:			
Exempt Class:		NONE			
Homestead Application Information					
Homestead Application Status: No Application					
Homeowners' Tax Credit Application Information					
Homeowners' Tax Credit Application Status: No Application				Date:	

SEPTIC SYSTEM TRENCH DESIGN:

INITIAL SYSTEM:
PROPOSED NUMBER OF BEDROOMS = 5
APPLICATION RATE = 0.8 GPD/SQ. FT.
EFFECTIVE DEPTH IS 4'
150 GALS x 5 BEDROOM = 750 GAL/DAY
750 GAL/DAY / 0.8 GAL./DAY/SQ. FT. = 937.5 SQ. FT.
937.5 SQ. FT. x 3 FT. = 2812 L.F. OF TRENCH
312 L.F. x .42 = 131.25 L.F. OF TRENCH - 132 L.F.
USE 4' x 66" OF TRENCH FOR EACH SYSTEM

REPLACEMENT SYSTEMS:
PROPOSED NUMBER OF BEDROOMS = 5
APPLICATION RATE = 0.8 GPD/SQ. FT.
EFFECTIVE DEPTH IS 4'
150 GALS x 5 BEDROOM = 750 GAL/DAY
750 GAL/DAY / 0.8 GAL./DAY/SQ. FT. = 937.5 SQ. FT.
937.5 SQ. FT. x 3 FT. = 2812 L.F. OF TRENCH
312 L.F. x .42 = 131.25 L.F. OF TRENCH - 132 L.F.
USE 4' x 66" OF TRENCH FOR EACH SYSTEM

LINE TABLE		
NO.	BEARING	DIST.
L1	N 89°00'00" W	10.00'
L2	S 01°00'00" W	10.00'
L3	S 89°00'00" W	10.00'

PLAN
SCALE: 1" = 30'

LEGEND:

- SPOT ELEVATION
- FLOW PATH & SLOPE
- EX. WELL
- PROP. PERC TEST LOCATION

SOILS LEGEND	
SOIL	TYPE
GtB	GLENELG
McC	MANOR

THIS AREA DESIGNATES A PRIVATE SEWAGE AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. FOR LOTS CREATED PRIOR TO MARCH OF 1972 IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS AREA 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. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER

DATE

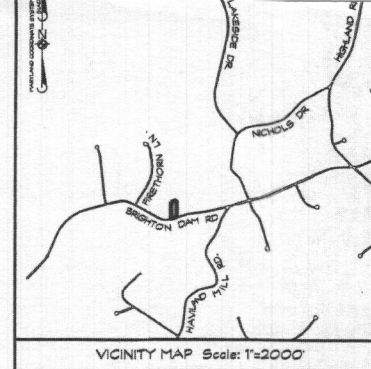
APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH OFFICER DATE

I HEREBY 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.

DENNIS E. MECKLEY 1/30/18
DENNIS E. MECKLEY, PROPERTY LINE SURVEYOR NO. 10844

OWNER/DEVELOPER
SHAWN & TRACEY GATEWOOD
1706 WOODMAN AVE.
SILVER SPRING, MD 20902



GENERAL NOTES

- CURRENT TITLE REFERENCE:
OWNER: SHAWN & TRACEY GATEWOOD
DEED REFERENCE: L. 17001, F. 293
DATE: MARCH 30, 2018
GRANTOR: GEORGE L. GATEWOOD, JR.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THE TOPOGRAPHY SHOWN HEREON IS BASED ON HOWARD COUNTY 200' SCALE TOPO MAPS AND VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY. TOPOGRAPHY OF THE SEWAGE DISPOSAL AREA WAS FIELD VERIFIED BY CLSI.
- ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
- B.R.L. DENOTES BUILDING RESTRICTION LINE
- ANY CHANGES TO THE PRIVATE SEWER EASEMENT AND/OR ALTERNATIVE WELL LOCATION SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE PERCOLATION TEST LOCATIONS WERE FIELD LOCATED BY CLSI.

DATA TABULATIONS:

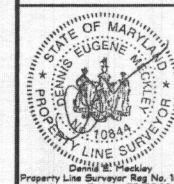
- ZONING DISTRICT: RR-DEO
- NUMBER OF BUILDING SITES: 1
- TOTAL AREA OF LOT: 1.00 ACRES

PURPOSE NOTE:
THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO SHOW A SEPTIC EASEMENT TO SUPPORT THE CONSTRUCTION OF A PROPOSED 5-BEDROOM SINGLE FAMILY DWELLING.

PERCOLATION TEST RESULTS, _____

PERC CERTIFICATION PLAN GATEWOOD PROPERTY BRIGHTON DAM RD. CLARKSVILLE, MD 21029

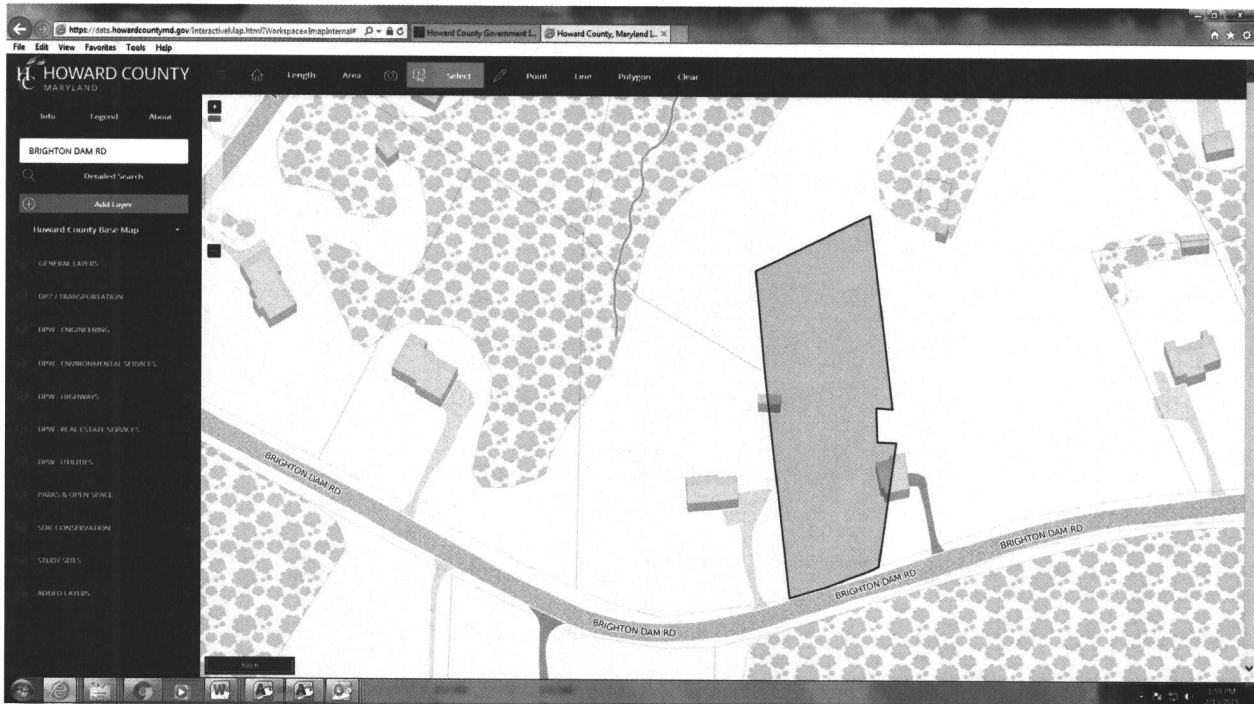
5th ELECTION DISTRICT • HOWARD COUNTY, MARYLAND
TAX MAP: 34 • GRID: 13 • PARCEL: 232
LIBER: 17001, FOLIO: 293



439 East Main Street Westminster, MD 21157-5539
(410) 848-1790 FAX (410) 848-1791

A LICENSED MARYLAND SURVEYOR EITHER PERSONALLY PREPARED THIS PLAN OR WAS IN RESPONSIBLE CHARGE OVER ITS PREPARATION AND THE SURVEYING WORK REFLECTED IN IT, IN COMPLIANCE WITH THE MARYLAND MINIMUM STANDARD OF PRACTICE FOR LAND SURVEYING

Date	Revisions	Drawn By:
11/15/2017	revid to show gas pipeline and right of way	Designed By: LDA
1/15/18	revid to show septic design information	Reviewed By: LDA
		Date: SEPT. 20 17
		Scale: 1" = 30'
		Job No.: 2017180
		Sheet: 1 of 1



34

Tax Map 43, Grid13, Parcel 232

Brighten Dam Road

Bernard, Dana

From: Bernard, Dana
Sent: Monday, December 04, 2017 10:30 AM
To: Linda D. Alexander
Subject: RE: Gatewood Property perc test 2017160

Hello Linda,

Per our conversation regarding percolation testing . As scheduled we will have percolation testing on December 21, 2017. I will arrive between 9 and 10 am. Looking forward to completing your job. It will be the last one of the year.

Thanks
Dana Bernard

From: Linda D. Alexander [mailto:laalexander@clsimail.com]
Sent: Wednesday, November 29, 2017 11:56 AM
To: Bernard, Dana
Subject: RE: Gatewood Property perc test 2017160
Importance: High

Hi Dana,
Can we get Gatewood schedule for perc tests as soon as possible?
I did send an updated plan for you showing the pipeline.
A representative from the pipeline people will also be there when the percs are being done.

Thanks,

Linda D. Alexander
Associate / Senior Project Manager

CLSI

439 East Main Street, Westminster, MD. 21157
laalexander@clsimail.com
direct: 410-871-4475
cell: 443-375-9903

From: Linda D. Alexander
Sent: Tuesday, October 31, 2017 11:24 AM
To: 'Bernard, Dana' <dbernard@howardcountymd.gov>
Subject: RE: Gatewood Property perc test 2017160

Dana,
I need to cancel the percs for tomorrow. We need to locate the pipeline which does appear to be on our property some. Once we get it located and on the plan I will forward you a new plan showing the pipeline and the perc test location. Then we can reschedule.

Sorry for the delay,

Linda D. Alexander
Associate / Senior Project Manager

CLSI

439 East Main Street, Westminster, MD. 21157
laalexander@clsimail.com
direct: 410-871-4475
cell: 443-375-9903

From: Bernard, Dana [<mailto:dbernard@howardcountymd.gov>]
Sent: Wednesday, October 25, 2017 10:02 AM
To: Linda D. Alexander <laalexander@clsimail.com>
Subject: RE: Gatewood Property perc test 2017160

Great!

From: Linda D. Alexander [<mailto:laalexander@clsimail.com>]
Sent: Wednesday, October 25, 2017 9:44 AM
To: Bernard, Dana
Subject: RE: Gatewood Property perc test 2017160

Okay Can we schedule Gatewood for that day? If we run into an issue with getting the line mark in the next day or so I will let you know.

Thank you so much,

Linda D. Alexander

Associate / Senior Project Manager

CLSI

439 East Main Street, Westminster, MD. 21157
laalexander@clsimail.com
direct: 410-871-4475
cell: 443-375-9903

From: Bernard, Dana [<mailto:dbernard@howardcountymd.gov>]
Sent: Wednesday, October 25, 2017 9:19 AM
To: Linda D. Alexander <laalexander@clsimail.com>
Subject: RE: Gatewood Property perc test 2017160

Linda ,

I have Wednesday November 1, 2017 available for Testing.
Thanks
Dana

From: Linda D. Alexander [<mailto:laalexander@clsimail.com>]
Sent: Wednesday, October 25, 2017 8:51 AM
To: Bernard, Dana
Subject: Gatewood Property perc test 2017160

Good Morning Dana,

When we went out to stakeout the perc tests yesterday we noticed that on the back left corner off of our property there is the potential that the Transcontinental Colonial Pipeline and an AT&T fiberoptic line. This is the pipeline that is policed and a representative needs to be there when you dig within 50 feet of it. So can we reschedule the percs for middle to end of next week? that should give Miss Utility and Colonial Pipeline people to mark the line.

Thanks

Linda D. Alexander

Associate / Senior Project Manager

CLSI

439 East Main Street, Westminster, MD. 21157

laalexander@clsimail.com

direct: 410-871-4475

cell: 443-375-9903

From: Bernard, Dana [<mailto:dbernard@howardcountymd.gov>]

Sent: Wednesday, October 18, 2017 2:37 PM

To: Linda D. Alexander <laalexander@clsimail.com>

Subject: RE: Percolation Testing

No Problem. The 26th it is.

From: Linda D. Alexander [<mailto:laalexander@clsimail.com>]

Sent: Wednesday, October 18, 2017 12:56 PM

To: Bernard, Dana

Subject: RE: Percolation Testing

Hi Dani,

I thought that we had state about doing for 26th of October. That is the date that I have scheduled with South Carroll Backhoe. South Carroll always has 2 people and Wayne Watkins from our office will be there also.

Please let me know about the 26th

Regards,

Linda D. Alexander

Associate / Senior Project Manager

CLSI

439 East Main Street, Westminster, MD. 21157

laalexander@clsimail.com

direct: 410-871-4475

cell: 443-375-9903

From: Bernard, Dana [<mailto:dbernard@howardcountymd.gov>]

Sent: Wednesday, October 18, 2017 12:29 PM

To: Linda D. Alexander <laalexander@clsimail.com>

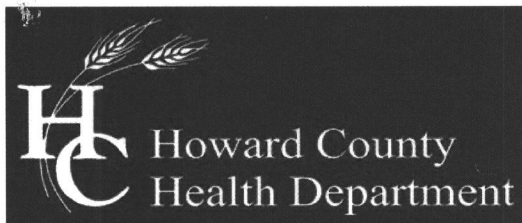
Subject: Percolation Testing

Good Afternoon Linda,

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1) Miss Utility must be called and they must survey/review the lot for utility lines prior to perc testing. WE WILL NOT TEST UNTIL WE KNOW THEY HAVE SURVEYED/REVIEWED THE SITE.

2) Bring at "LEAST" 50gals of water. I believe 65gals should be sufficient. I'd rather have more than enough, than not enough and waste time getting more water. There needs to be enough to fill 7 holes 1ft in diameter and 1ft deep.



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: Map 342, Grid 13, Parcel 232

Subdivision: Brighton Dam Road Lot:

Initial system: Application rate: 0.8 Effective area beginning depth: 4 Bottom maximum depth: 8

1st Replacement: Application rate: 0.8 Effective area beginning depth: 4 Bottom maximum depth: 8

2nd Replacement: Application rate: 0.8 Effective area beginning depth: 4 Bottom maximum depth: 8

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:

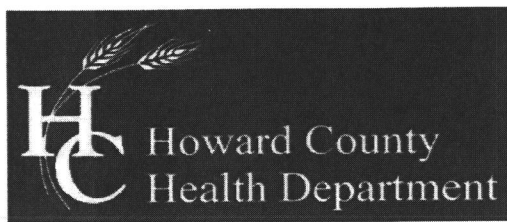
$$\frac{W + 2}{W + 1 + 2D} \times 100 = \text{Percent of length of standard trench where } W = \text{trench width and } D = \text{depth between effective area beginning depth and trench bottom.}$$

Standard design requirements:

- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- 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:

Approved: Dana Leonard Date: 12-17



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- Maximum trench length is 100'
- Maximum pipe depth is 4'

Additional requirements:

Approved: Dana Leonard Date: 12-1-17

There are about 7.48 gals of water in a cubic foot. Since this soil might have issues with passing we will need enough to retest several holes. Typically contractors bring water in something similar to the attached picture.

3) We prefer the backhoe operator to have an assistant. It is a lot of work for one person to do by themselves. The contractor needs to be able to: dig a hole 12-14ft deep with the backhoe, measure it to confirm, shelf the hole between 3-8ft, measure it to confirm, dig the 1ft X 1ft hole, measure it to confirm, supply the water as needed and then do it 6 more times (assuming test holes pass). With this lots terrain it will be difficult for one person to do all this while maintaining his safety and ours.

4) Bring a shovel to dig the 1ft X 1ft hole. Should probably bring a digging bar encase the soil is difficult to move.

5) Bring a 25ft measuring tape.

6) Bring a large bucket to carry the water to the perc holes. (Preferably a 5 gal bucket)

If you have any questions at all about perc testing please call me at (410)-313-6357. If I don't pick up please leave a message with your question and/or concern and I will get back to you as soon as I can.

Thank you & Have a*""

,,,' ,,*""), ,,*""

(,,,' (,,,' * Wonderful Day !

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

Bernard, Dana

From: Bernard, Dana
Sent: Wednesday, November 01, 2017 8:59 AM
To: 'Linda D. Alexander'
Subject: RE: Gatewood Property perc test 2017160

Linda,

Just give me call when you have resolved your issue. And at that time we will schedule.

Thanks
Dana

From: Linda D. Alexander [mailto:laalexander@clsimail.com]
Sent: Tuesday, October 31, 2017 11:24 AM
To: Bernard, Dana
Subject: RE: Gatewood Property perc test 2017160

Dana,
I need to cancel the percs for tomorrow. We need to locate the pipeline which does appear to be on our property some. Once we get it located and on the plan I will forward you a new plan showing the pipeline and the perc test location. Then we can reschedule.

Sorry for the delay,

Linda D. Alexander
Associate / Senior Project Manager

CLSI

439 East Main Street, Westminster, MD. 21157
laalexander@clsimail.com
direct: 410-871-4475
cell: 443-375-9903

From: Bernard, Dana [mailto:dbernard@howardcountymd.gov]
Sent: Wednesday, October 25, 2017 10:02 AM
To: Linda D. Alexander <laalexander@clsimail.com>
Subject: RE: Gatewood Property perc test 2017160

Great!

From: Linda D. Alexander [mailto:laalexander@clsimail.com]
Sent: Wednesday, October 25, 2017 9:44 AM
To: Bernard, Dana
Subject: RE: Gatewood Property perc test 2017160

Okay Can we schedule Gatewood for that day? If we run into an issue with getting the line mark in the next day or so I will let you know.

Thank you so much,

Linda D. Alexander

Associate / Senior Project Manager

CLSI

439 East Main Street, Westminster, MD. 21157

laalexander@clsimail.com

direct: 410-871-4475

cell: 443-375-9903

From: Bernard, Dana [<mailto:dbernard@howardcountymd.gov>]

Sent: Wednesday, October 25, 2017 9:19 AM

To: Linda D. Alexander <laalexander@clsimail.com>

Subject: RE: Gatewood Property perc test 2017160

Linda ,

I have Wednesday November 1, 2017 available for Testing.

Thanks

Dana

From: Linda D. Alexander [<mailto:laalexander@clsimail.com>]

Sent: Wednesday, October 25, 2017 8:51 AM

To: Bernard, Dana

Subject: Gatewood Property perc test 2017160

Good Morning Dana,

When we went out to stakeout the perc tests yesterday we noticed that on the back left corner off of our property there is the potential that the Transcontinental Colonial Pipeline and an AT&T fiberoptic line. This is the pipeline that is policed and a representative needs to be there when you dig within 50 feet of it. So can we reschedule the percs for middle to end of next week? that should give Miss Utility and Colonial Pipeline people to mark the line.

Thanks

Linda D. Alexander

Associate / Senior Project Manager

CLSI

439 East Main Street, Westminster, MD. 21157

laalexander@clsimail.com

direct: 410-871-4475

cell: 443-375-9903

From: Bernard, Dana [<mailto:dbernard@howardcountymd.gov>]

Sent: Wednesday, October 18, 2017 2:37 PM

To: Linda D. Alexander <laalexander@clsimail.com>

Subject: RE: Percolation Testing

No Problem. The 26th it is.

From: Linda D. Alexander [<mailto:laalexander@clsimail.com>]

Sent: Wednesday, October 18, 2017 12:56 PM

To: Bernard, Dana

Subject: RE: Percolation Testing

Hi Dani,

I thought that we had state about doing for 26th of October. That is the date that I have scheduled with

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

Bureau of Environmental Health
Well and Septic Program
Phone (410) 313-2775
E-mail: DBernard@howardcountymd.gov

Bernard, Dana

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Sent: Wednesday, October 25, 2017 8:51 AM
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Subject: RE: Percolation Testing

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Sent: Wednesday, October 18, 2017 12:56 PM
To: Bernard, Dana
Subject: RE: Percolation Testing

Hi Dani,
I thought that we had state about doing for 26th of October. That is the date that I have scheduled with South Carroll Backhoe. South Carroll always has 2 people and Wayne Watkins from our office will be there also.

Please let me know about the 26th
Regards,

Linda D. Alexander

Associate / Senior Project Manager

CLSI

439 East Main Street, Westminster, MD. 21157
lalexander@clsimail.com
direct: 410-871-4475
cell: 443-375-9903

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,.,.,,*""),.,,*""

(.,.,(.,.,* Wonderful Day !

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Dana Bernard

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..*")..*")

(..* Wonderful Day !

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Environmental Specialist II
Bureau of Environmental Health
Well and Septic Program
Phone (410) 313-2775
E-mail: DBernard@howardcountymd.gov

Oswald, Hank

From: Oswald, Hank
Sent: Thursday, January 16, 2020 12:09 PM
To: Amir Shafi
Cc: LORIANNE.LOVE@GMAIL.COM
Subject: Floor Plans_13842 Brighton Dam Road
Attachments: BP APPLICATION DOC_13842.pdf; floor plans.pdf

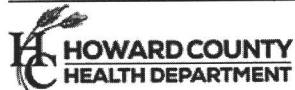
Hello Amir. Shafi:

I need clarification on the floor plan layout for 13842 Brighton Dam Road. The floor plan (attached) shows the optional in-law suite crossed out/not part of the plan but the building permit application seems to indicate that it's included. Also, is the basement finished or unfinished. The basement shows a full bathroom rough-in with the potential for more bedrooms upon finishing it. (FYI - The septic plan is designed for 4 bedrooms.)

Thanks in advance,

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

MEMORANDUM

TO: NJR & Associates
2770 Route 32
West Friendship, MD 21794

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

RE: OSDS Plan
13842 Brighton Dam Road
Clarksville, MD 21029

Date: January 10, 2020

The following comments pertain to the review of the OSDS Plan for **13842 Brighton Dam Road**:

- 1.) Modify trench layout using 3-foot-wide trenches (see proposed trench layout).
- 2.) Show trenches on contour.
- 3.) Show perc test hole locations.
- 4.) Add a 30 & 100 foot well radius around well box.
- 5.) Stormwater discharge from bioretention pond must be 25 feet from the sewage disposal area (SDA).

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

MEMORANDUM

TO: NJR & Associates
2770 State Route 32
West Friendship, MD 21794

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

RE: Perc Cert/OSDS Plan
Plan Review Comments
13842 Brighton Dam Road

Date: February 5, 2020

The percolation certification and OSDS plan for 13842 Brighton Dam Road have been reviewed with the following comments:

Perc Cert Plan Comments:

- 1.) The revised perc cert plan shows a sewage disposal area of 5,856 sq. ft. but note #7 references an area of 10,000 sq. ft. Note #7 should read; *This area designates a private sewage area as required by the Maryland Department of the Environment for individual sewage disposal. For lots created prior to March of 1972 it provides at least enough area to accommodate an initial and two replacement septic systems as required by the Howard County Health Department. Improvements of any nature in this area are restricted until public sewerage is available. This area 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. Recordation of a modified sewage area shall not be necessary.*
- 2.) Match existing well symbol on plan with the legend symbol.
- 3.) Change wording in legend symbol to "Passed Perc Test Location".
- 4.) Add a purpose statement to the plan. Refer to the previously approved perc cert plan.
- 5.) Make well box 30 feet from proposed porch by revising shape of well box or shifting house location.
- 6.) Add note; The sewage disposal area, the property lines and gas pipe line right of way must be staked by a licensed surveyor prior to the septic layout inspection.

Oswald, Hank

From: Oswald, Hank
Sent: Wednesday, February 05, 2020 11:03 AM
To: 'roshannj@aol.com'
Cc: 'Gregory Phillips'
Subject: Perc Cert Plan_13842 Brighton Dam Road
Attachments: PERC CERT Memo To NJR_2.5.2020.pdf

Hello Roshan:

Attached, please find a memo regarding the revised perc cert plan for 13842 Brighton Dam Road. 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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Oswald, Hank

From: Oswald, Hank
Sent: Friday, January 17, 2020 7:39 AM
To: 'Amir Shafi'
Cc: LORIANNE.LOVE@GMAIL.COM
Subject: RE: Floor Plans_13842 Brighton Dam Road

Hi Amir:

Thank you for the clarification. The septic plan that I received and reviewed on January 10th, was designed for only 4-bedrooms. With the in-law suit, the floor plans now show 5 bedrooms with potential for more in the basement upon finishing it. The septic plan requires other revisions, so it needs to be redesigned for at least 5 bedrooms, but I recommend 6 so the homeowner has more options upon finishing the basement in the future.

Please contact me with any questions.

Respectfully,

Hank

From: Amir Shafi <ashafi@carusohomes.com>
Sent: Thursday, January 16, 2020 2:05 PM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Cc: LORIANNE.LOVE@GMAIL.COM
Subject: RE: Floor Plans_13842 Brighton Dam Road
Importance: High

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

Hello Hank,

Sorry about that! The in law suite IS included. Regarding the basement, is UNfinished. I hope this information proves helpful.

Thanks,
Amir Shafi
Permits Manager

Caruso Homes
2120 Baldwin Ave. Suite 200
Crofton, Maryland 21114
Cell: (609) 410-3035
Email: ashafi@carusohomes.com



From: Oswald, Hank <hoswald@howardcountymd.gov>

Sent: Thursday, January 16, 2020 12:09 PM

To: Amir Shafi <ashafi@carusohomes.com>

Cc: LORIANNE.LOVE@GMAIL.COM

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439 East Main Street
Westminster, MD 21157-5539



(410) 848-1790 • (301) 662-1799
FAX (410) 848-1791

Transmit To:

Jeff Williams
Bureau of Environmental Health
Howard County Health Department
8930 Stanford Boulevard
Columbia, MD 21046

Project Info:

GATEWOOD PROPERTY
Brighton Dam Road
Silver Spring, MD

Project No: 2017160

Date: Jul 18, 2018

We are Transmitting:

- | | | | | | |
|---|--|---|--|---|--------------------------|
| <input checked="" type="checkbox"/> Here with | <input type="checkbox"/> Originals | <input type="checkbox"/> Computer Media | <input type="checkbox"/> Shop Drawings | <input checked="" type="checkbox"/> Via Messenger | <input type="checkbox"/> |
| <input type="checkbox"/> Our | <input checked="" type="checkbox"/> Prints | <input type="checkbox"/> Project Manuals | <input type="checkbox"/> Payment Cert. | <input type="checkbox"/> Express Mail | <input type="checkbox"/> |
| <input type="checkbox"/> Your | <input type="checkbox"/> Copies | <input type="checkbox"/> Product Literature | <input type="checkbox"/> Change Order | <input type="checkbox"/> 1st Class Mail | <input type="checkbox"/> |

Sets	Type	Dwg No	Dated	Description
3	D Size Bond Copies		1/30/2018	Perc Cert Plan

- | | | | | |
|---------------------------------------|--|--------------------------------------|--|--------------------------|
| <input type="checkbox"/> As Requested | <input type="checkbox"/> For Your Use | <input type="checkbox"/> For Filing | <input checked="" type="checkbox"/> For Approval | <input type="checkbox"/> |
| <input type="checkbox"/> As Required | <input type="checkbox"/> For Your Review | <input type="checkbox"/> For Bidding | <input type="checkbox"/> As Discussed | <input type="checkbox"/> |

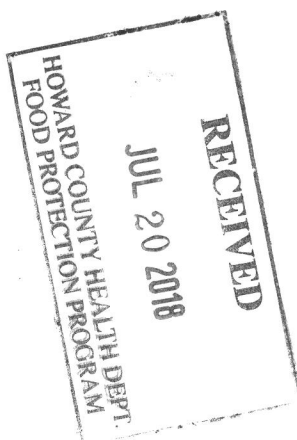
Remarks:

Copy To _____

If enclosures are not as noted,
please notify us immediately.


Linda D. Alexander

- mulch depth
- depth of plant
- depth of stone
- filter fabric

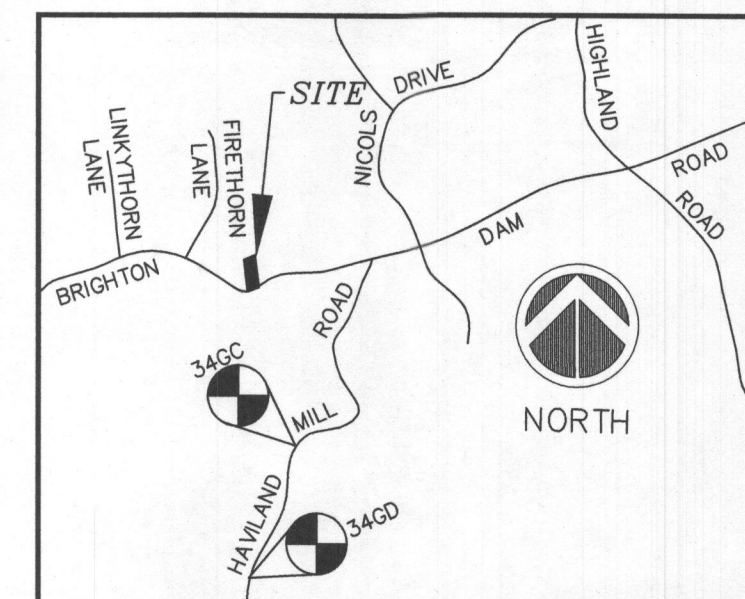
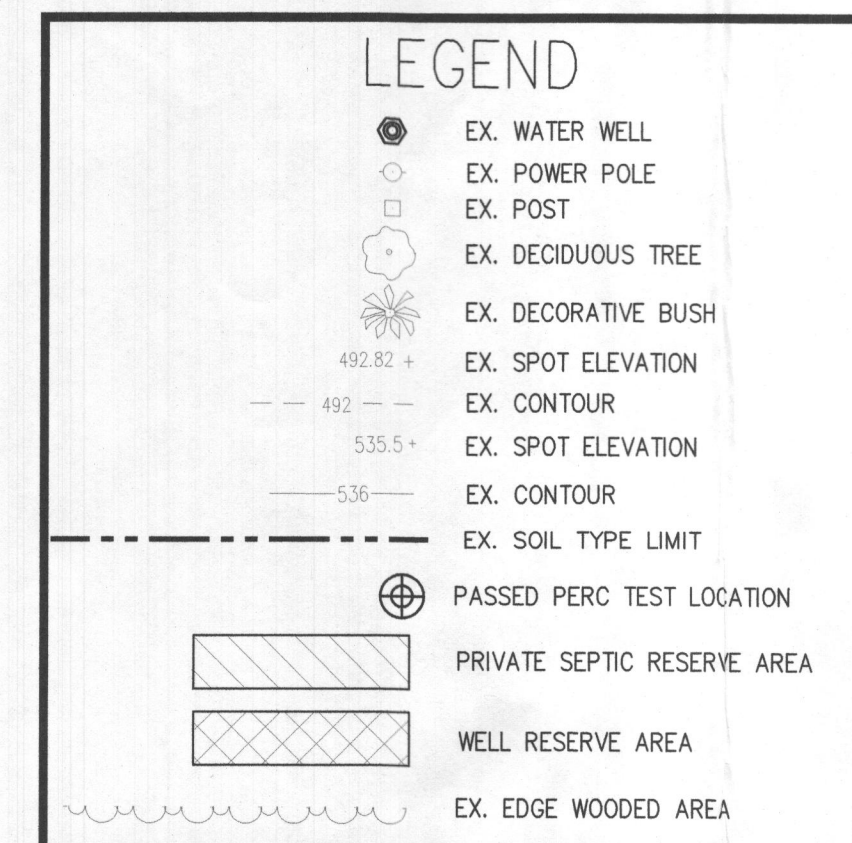


PARCEL 149
TAX MAP 34
GRID 13
WASHINGTON SUBURBAN SANITARY COMMISSION
L. 16869, F. 3
ZONED: RR-DEO

PARCEL 231
TAX MAP 34
GRID 13
HOWARD LYLES
L. 358, F. 255
ZONED: RR-DEO

PARCEL 232
TAX MAP 34
GRID 13
SHAWN & TRACEY GATEWOOD
L. 17001, F. 293
43,559 SF. OR 1.00 AC.±

PARCEL 149
TAX MAP 34
GRID 13
WASHINGTON SUBURBAN SANITARY COMMISSION
L. 16869, F. 3
ZONED: RR-DEO



VICINITY MAP
SCALE: 1" = 2000'
ADC MAP: PAGE - 30
GRID - D3

GENERAL NOTES

- 1- PARCEL 232, TAX MAP 34, GRID 13.
- 2- DEED REF. L.17001, F. 293.
- 3- ELECTION DISTRICT: 5.
- 4- ZONING: RR-DEO.
- 5- PROPOSED SEWER - PRIVATE; PROPOSED WATER - PRIVATE.
- 6- THERE IS NO FLOODPLAIN ON SITE.
- 7- THERE IS A WETLAND BUFFER AS WELL AS A STREAM AND A 100 FOOT STREAM BANK BUFFER ON SITE AS SHOWN.
- 8- THERE ARE NO CRITICAL HABITATS OF RARE, THREATENED OR ENDANGERED SPECIES ON SITE.
- 9- WATERSHED = PATUXENT RIVER
- 10- TO THE BEST OF OUR INFORMATION, NP CEMETERY OR HISTORIC STRUCTURE EXIST ON THIS SITE.

PURPOSE NOTE

THE PURPOSE OF THIS PLAN IS TO ENLARGE THE EXISTING SEPTIC AREA, WHICH WAS SHOWN ON A PLAN BY CLSI ENGINEERS & SURVEYORS DATED SEPTEMBER OF 2017 AND APPROVED ON JULY OF 2018, BY EXTENDING IT TO 5 FEET FROM THE NORTHERLY AND EASTERLY BOUNDARY LINES OF THIS PARCEL AND TO ADJUST THE WELL RESERVE BOX TO 15 FEET FROM THE RIGHT-OF-WAY LINE AND TO MORE THEN 30 FEET FROM THE PORCH OF THE PROPOSED HOUSE.

NOTES:

- 1- ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- 2- THE ON SITE TOPOGRAPHY SHOWN ON THIS PLAT IS BASED ON AN ACTUAL FIELD RUN SURVEY BY NJR & ASSOC. PERFORMED ON JULY OF 2019.
- 3- THE EXISTING WELL (TAG # HO-18-0128) HAS BEEN FIELD LOCATED BY NJR & ASSOC. IN JANUARY OF 2020 AND ACCURATELY SHOWN ON THIS PLAN.
- 4- ALL EXISTING WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN ON THIS PLAN.
- 5- THIS SURVEY IS TIED TO MARYLAND STATE PLANE NAD 83/91 COORDINATE SYSTEM.
- 6- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT ARE AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
- 7- THE SEWAGE DISPOSAL AREA (SDA) AND THE ADJACENT PROPERTY LINES AND GAS PIPELINE RIGHT-OF-WAY EDGE MUST BE STAKED BY A LICENSE SURVEYOR PRIOR TO THE SEPTIC LAYOUT INSPECTION.
- 8- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. FOR LOTS CREATED PRIOR TO MARCH OF 1972 IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE ARE. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

Patuxent River
HEALTH OFFICER/ HOWARD COUNTY HEALTH DEPARTMENT. DATE: 2/19/2020

SOIL TABLE			
SYMBOL	NAME/DESCRIPTION	TYPE	HYDROLIC
GgB	Glenn loam, 3 to 8% slope	B	No
MaC	Manor loam, 8 to 15 percent slopes	B	No

PLAN PREPARED BY:

NJR & ASSOCIATES
Land Surveying and Planning
2770 STATE ROUTE 32
WEST FRIENDSHIP, MD 21794
TEL: (240) 508-3200

PROFESSIONAL CERTIFICATION:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE # 11049, EXPIRATION DATE: 2/10/2021.
February 7, 2020
DATE

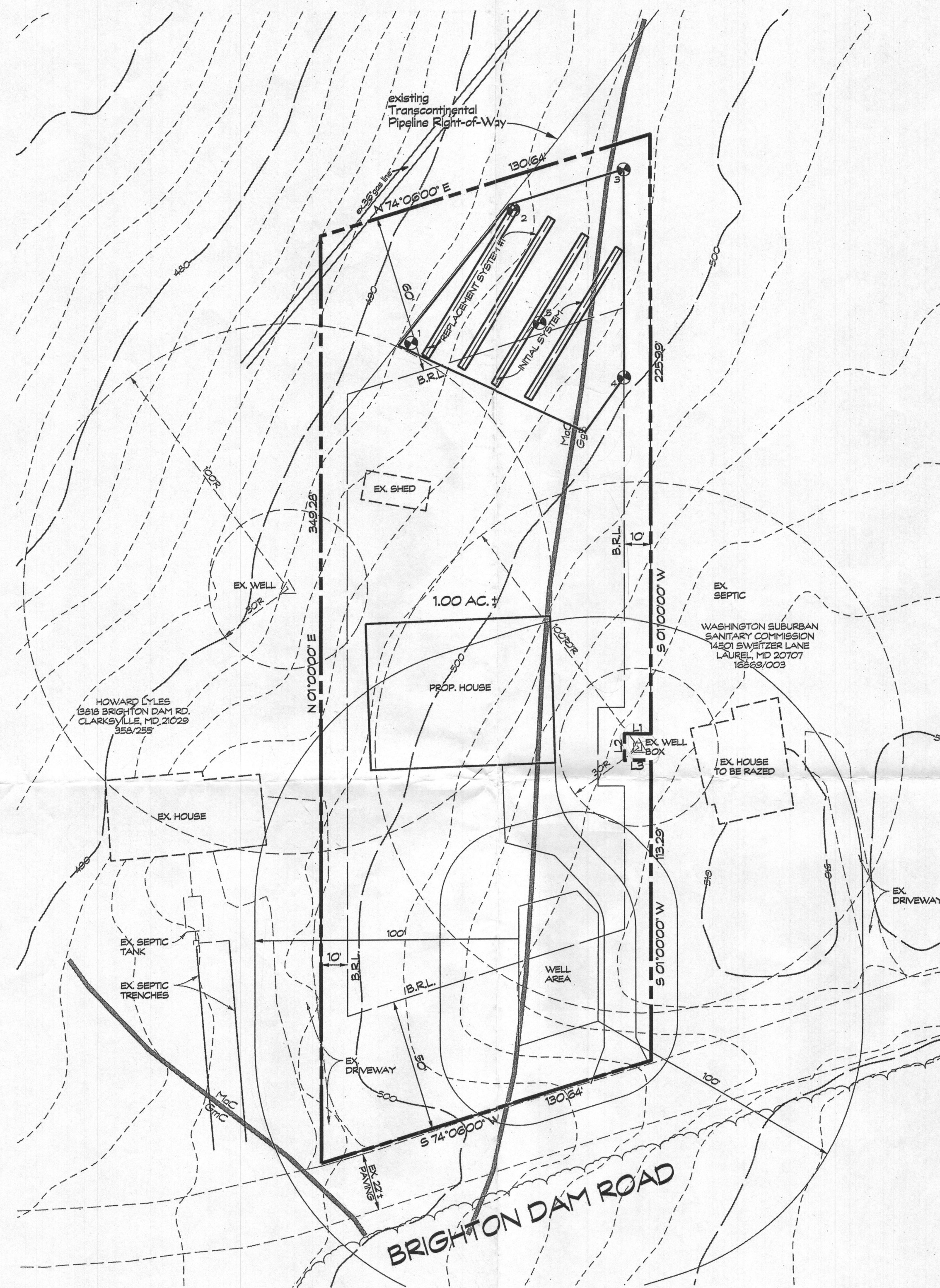
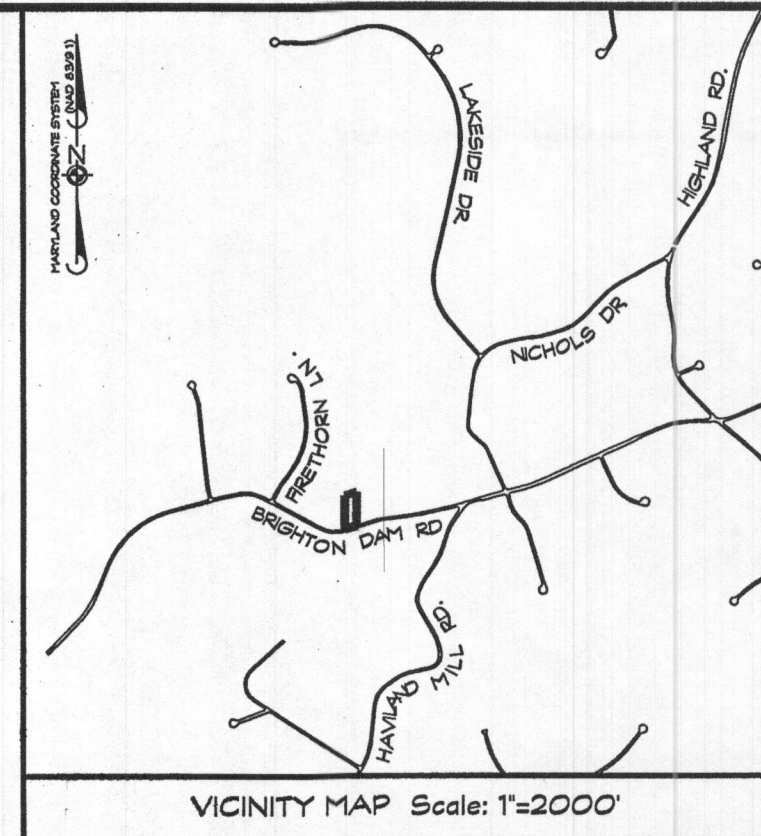
DEVELOPER
CARUSO HOMES
2120 BALDWIN AVENUE, Ste 200
CROFTON, MD 21114
(301) 281-0277
OWNER
TAMIKA L. GATEWOOD
5030 MEYERS ROAD
FORT MEADE, MD 20755
(301) 281-0277

PERCOLATION CERTIFICATION PLAN

PARCEL 232

TAX MAP 34, GRID 13
LIBER 17001 FOLIO 293
13842 BRIGHTON DAM ROAD, CLARKSVILLE, MD 21029
5TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

SCALE: 1" = 20' JOB NO.: 3515 DATE: JAN. 30, 2019 SHEET: 1 OF 1



LINE TABLE		
NO.	BEARING	DIST.
L1	N 89°00'00" W	10.00'
L2	S 01°00'00" W	10.00'
L3	S 89°00'00" W	10.00'

SEPTIC SYSTEM TRENCH DESIGN:

INITIAL SYSTEM:
 PROPOSED NUMBER OF BEDROOMS = 5
 APPLICATION RATE = 0.8 GPD/SQ. FT.
 EFFECTIVE DEPTH IS 4'
 150 GALS x 5 BEDROOM = 750 GAL/DAY
 750 GAL/DAY / 0.8 GAL/DAY/SQ. FT. = 937.5 SQ. FT.
 937.5 SQ. FT. x 3 FT. = 2812 L.F. OF TRENCH
 312 L.F. x 42 = 13125 L.F. OF TRENCH - 132 L.F.
 USE 2-66 L.F. OF TRENCH FOR EACH SYSTEM

REPLACEMENT SYSTEM:
 PROPOSED NUMBER OF BEDROOMS = 5
 APPLICATION RATE = 0.8 GPD/SQ. FT.
 EFFECTIVE DEPTH IS 4'
 150 GALS x 5 BEDROOM = 750 GAL/DAY
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 312 L.F. x 42 = 13125 L.F. OF TRENCH - 132 L.F.
 USE 2-66 L.F. OF TRENCH FOR EACH SYSTEM

NOTE:
 A BAT (BEST AVAILABLE TECHNOLOGY) TANK WILL BE REQUIRED THEREFORE ALLOWING THE INITIAL SYSTEM AND ONE REPLACEMENT.

GENERAL NOTES

- CURRENT TITLE REFERENCE:
 OWNER: SHAWN & TRACEY GATEWOOD
 DEED REFERENCE: L. 1700 1, F. 293
 DATE: MARCH 30, 2016
 GRANTOR: GEORGE L. GATEWOOD, JR.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THE TOPOGRAPHY SHOWN HEREON IS BASED ON HOWARD COUNTY 200' SCALE TOPO MAPS AND VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY. TOPOGRAPHY OF THE SEWAGE DISPOSAL AREA WAS FIELD VERIFIED BY CLSI.
- ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
- B.R.L. DENOTES BUILDING RESTRICTION LINE
- ANY CHANGES TO THE PRIVATE SEWER EASEMENT AND/OR ALTERNATIVE WELL LOCATION SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE PERCOLATION TEST LOCATIONS WERE FIELD LOCATED BY CLSI.

DATA TABULATIONS:

- ZONING DISTRICT: RR-DEO
- NUMBER OF BUILDING SITES: 1
- TOTAL AREA OF LOT: 1.00 ACRES

PURPOSE NOTE:
 THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO SHOW A SEPTIC EASEMENT TO SUPPORT THE CONSTRUCTION OF A PROPOSED 5-BEDROOM SINGLE FAMILY DWELLING.

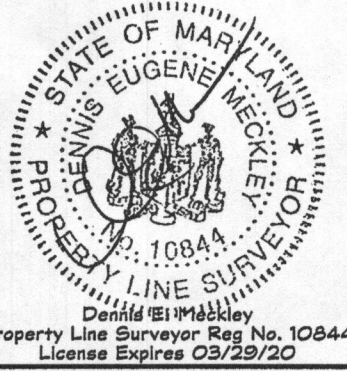
PERCOLATION TEST RESULTS, _____

PERC CERTIFICATION PLAN

GATEWOOD PROPERTY

BRIGHTON DAM RD. CLARKSVILLE, MD 21029

5th ELECTION DISTRICT * HOWARD COUNTY, MARYLAND
 TAX MAP 34 * GRID: 13 * PARCEL: 232
 LIBER 17001, FOLIO 293



439 East Main Street Westminster, MD 21157-5539
 (410) 848-1790 FAX (410) 848-1791

Date	Revisions	Drawn By:
11/15/2017	revd to show gas pipeline and right of way	Designed By: LDA
1/15/18	revd to show septic design information	Reviewed By: LDA
7/18/2018	REV'D SEPTIC SYSTEM PER MTGS WITH COUNTY AND ADD COM'S	Date: SEPT. 20 17
		Scale: 1" = 30'
		Job No.: 2017160
		Sheet: 1 of 1

- LEGEND:**
- SPOT ELEVATION
 - FLOW PATH & SLOPE
 - EX. WELL
 - PASSING PERC TEST LOCATION
 - SEWAGE DISPOSAL AREA
 - WELL AREA

SOILS LEGEND	
SOIL	TYPE
GgB	GLENELG
MaC	MANOR

THIS AREA DESIGNATES A PRIVATE SEWAGE AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. FOR LOTS CREATED PRIOR TO MARCH OF 1972 IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS AREA 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. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.

* WITH PRE-TREATMENT

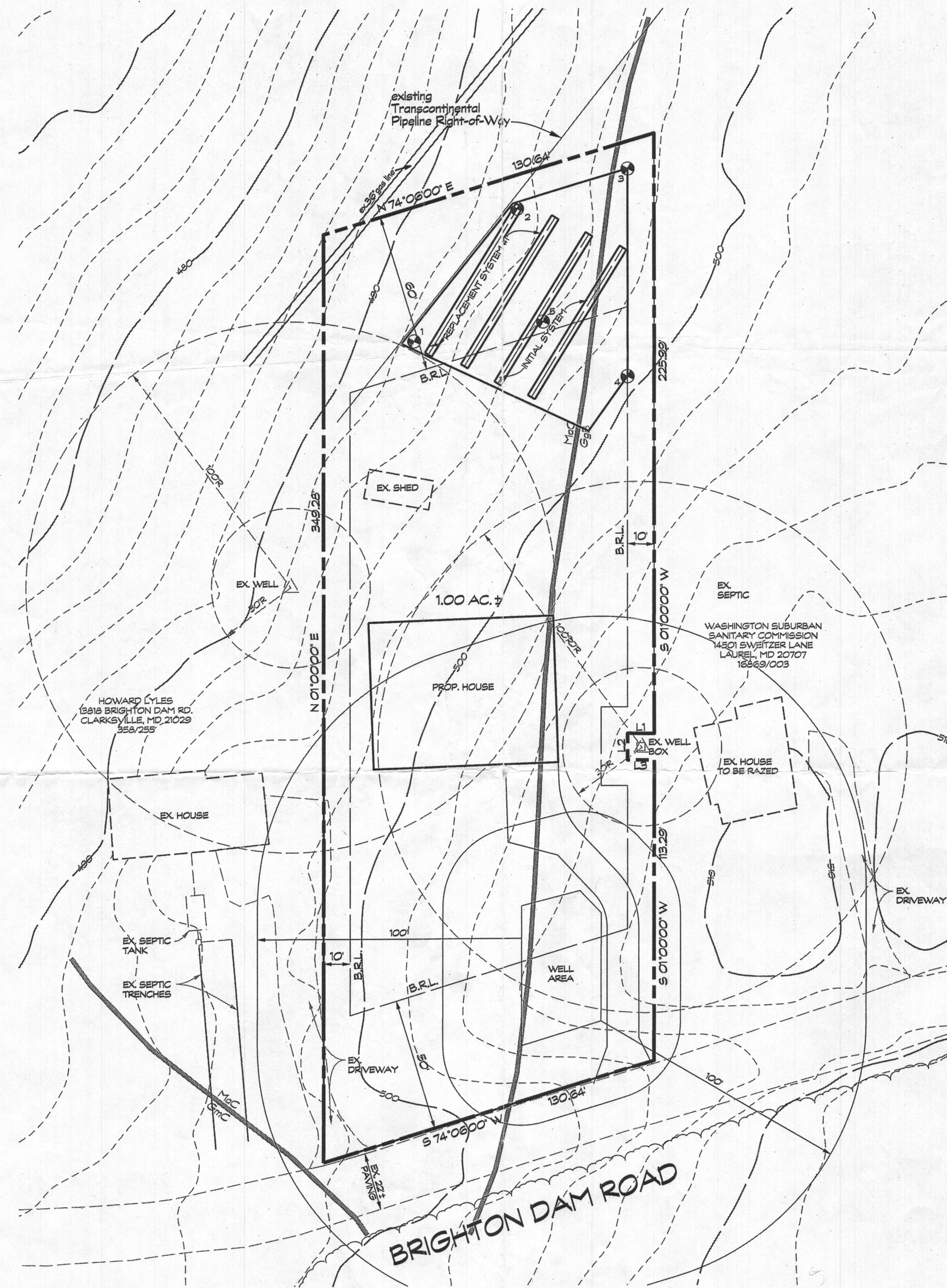
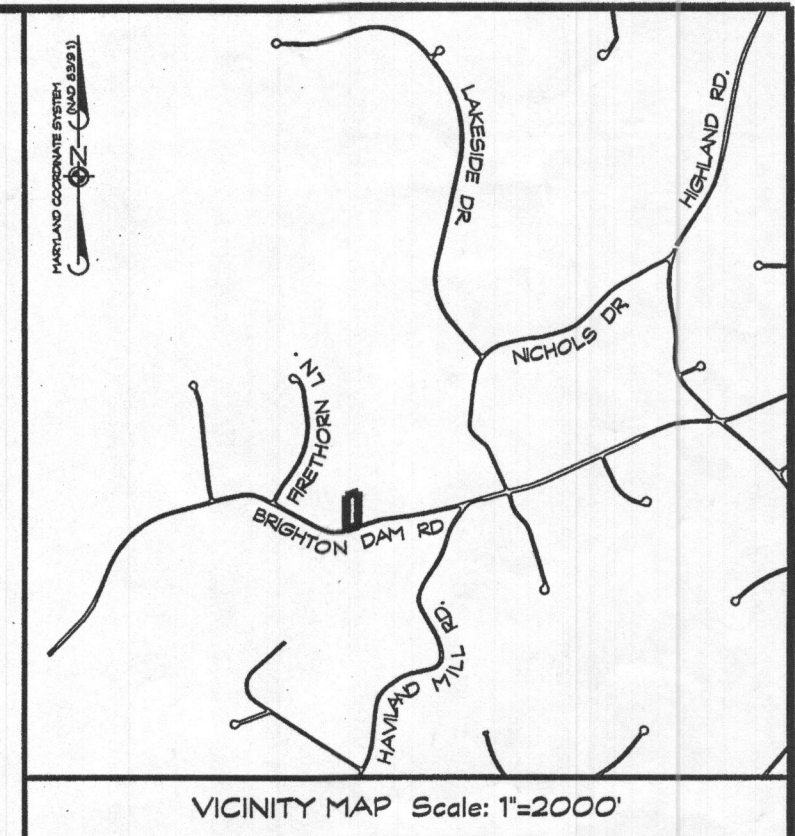
APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT

Maureen Roszman 7/23/2018
 HOWARD COUNTY HEALTH OFFICER DATE

"I HEREBY 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."

Dennis E. Meckley 7/18/18
 DENNIS E. MECKLEY, PROPERTY LINE SURVEYOR NO. 10844

OWNER/DEVELOPER
 SHAWN & TRACEY GATEWOOD
 1708 WOODMAN AVE.
 SILVER SPRING, MD 20992



PLAN
SCALE: 1"= 30'

LINE TABLE		
NO.	BEARING	DIST.
L1	N 89° 00' 00" W	10.00'
L2	S 01° 00' 00" W	10.00'
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APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

Howard County Health Officer 7/13/2018
HOWARD COUNTY HEALTH OFFICER DATE

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Dennis E. Meckley 7/13/18
DENNIS E. MECKLEY, PROPERTY LINE SURVEYOR NO. 10844

OWNER/DEVELOPER
SHAWN & TRACEY GATEWOOD
1706 WOODMAN AVE.
SILVER SPRING, MD 20902

GENERAL NOTES

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DATE: MARCH 30, 2016
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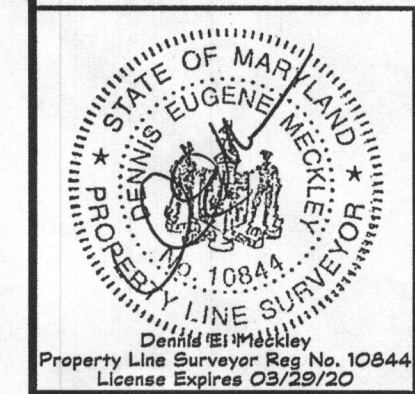
PERCOLATION TEST RESULTS,

PERC CERTIFICATION PLAN

GATEWOOD PROPERTY

BRIGHTON DAM RD. CLARKSVILLE, MD 21029

5th ELECTION DISTRICT * HOWARD COUNTY, MARYLAND
TAX MAP: 34 * GRID: 13 * PARCEL: 232
LIBER 17001, FOLIO: 299



Date	Revisions	Drawn By:
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		Scale: 1" = 30'
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		Sheet: 1 of 1

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 - FLOW PATH & SLOPE
 - EX. WELL
 - PROPOSED PERC TEST LOCATION
 - SEWAGE DISPOSAL AREA
 - WELL AREA

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* WITH PRE-TREATMENT

Oswald, Hank

From: Oswald, Hank
Sent: Tuesday, January 21, 2020 11:36 AM
To: roshannj@aol.com
Cc: ashafi@carusohomes.com; mlanigan@carusohomes.com; gphillips@mred.us
Subject: RE: 13842 Brighton Dam Road

Hi Roshan:

It looks like it could be approved. The percolation certification plan (PC) will also need to be revised with at least 2 - 3 copies sent for signature. In addition, both the PC and OSDS plans will need a note stating that the sewage disposal area (SDA), property line, and pipeline ROW will need to be survey staked prior to the septic layout inspection.

Thanks,

Hank

From: roshannj@aol.com <roshannj@aol.com>
Sent: Friday, January 17, 2020 12:04 PM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Cc: ashafi@carusohomes.com; mlanigan@carusohomes.com; gphillips@mred.us
Subject: 13842 Brighton Dam Road

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

Good morning Mr. Oswald,

I was informed that the house plans for 13842 Brighton Dam Road contain features for more than 4 bedroom set up. As you know, the existing septic reserve area on this property (5,235 square feet) has limitation from all sides and with the application rate of 0.8, is not large enough to support more than 4 bedroom system. However, if we can push the septic reserve area closer to the property line on the north and east sides (5' offset) as shown on the attached revised plan, this would enlarge the the area to 5,856 square feet and can contain a system for a 5 bedroom house. Please let me know if this can be approved.

Thank you
Najib Roshan, LS
NJR & Associates, LLC
2770 Route 32
West Friendship, MD 21794
PH (240) 508-3200
roshannj@aol.com

Oswald, Hank

From: Oswald, Hank
Sent: Friday, January 10, 2020 11:44 AM
To: 'roshannj@aol.com'
Cc: 'gphillips@mred.us'
Subject: OSDS Plan Review_13842 Brighton Dam Road
Attachments: OSDS Memo_NJR_1.10.2020.pdf; proposed trench layout.pdf

Hello Roshann:

Attached, please find a memo with comments on the OSDS plan for 13842 Brighton Dam Road. Also, you will find a recommendation for trench spacing/layout using 3-foot-wide trenches.

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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