



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

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

**APPLICATION
 FOR PERCOLATION TESTING AND SITE EVALUATION**

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME Jared Property
 PROPERTY ADDRESS 7157 Deer Valley Road Highland, Maryland 20777
STREET TOWN ZIP
 TAX ACCOUNT # 05-352037 TAX MAP 40 GRID 8 PARCEL 377 LOT NO. _____ PROPOSED LOT SIZE (ACRES) 5.0 AC
 ZONING CATEGORY RR-DEC TIER _____

PROPERTY OWNER(S) Jared & Gabriele Ciner

DAYTIME PHONE 303-883-4364 CELL _____ EMAIL jaredciner@gmail.com
 MAILING ADDRESS 7157 Deer Valley Highland, Maryland 20777
STREET CITY, STATE ZIP

APPLICANT Zachary Sill RELATIONSHIP TO OWNER: Engineer

DAYTIME PHONE 443-325-5076 ext: 107 CELL _____ EMAIL zach@sillengineering.com
 MAILING ADDRESS 16005 Frederick Road Woodbine, Maryland 21797
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.

SIGNATURE OF APPLICANT

DATE



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

1571528

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

**APPLICATION
 FOR PERCOLATION TESTING AND SITE EVALUATION**

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME Jared Property

PROPERTY ADDRESS 7157 Deer Valley Road Highland, Maryland 20777
STREET TOWN ZIP

TAX ACCOUNT # 05-352037 TAX MAP 40 GRID 8 PARCEL 377 LOT NO. _____ PROPOSED LOT SIZE (ACRES) 5.0 AC

ZONING CATEGORY RR-DEO TIER _____

PROPERTY OWNER(S) Jared & Gabriele Ciner

DAYTIME PHONE 303-883-4364 CELL _____ EMAIL jaredciner@gmail.com

MAILING ADDRESS 7157 Deer Valley Highland, Maryland 20777
STREET CITY, STATE ZIP

APPLICANT Zachary Sill RELATIONSHIP TO OWNER: Engineer

DAYTIME PHONE 443-325-5076 ext: 107 CELL _____ EMAIL zach@sillengineering.com

MAILING ADDRESS 16005 Frederick Road Woodbine, Maryland 21797
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.

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

June 2, 2022

To: Jared & Gabriele Ciner (Homeowner); SILL Engineering

Percolation Test Report; 7157 Deer Valley Road, Highland, MD 20777

Percolation tests were conducted at 7157 Deer Valley Road, Highland, MD 20777 (Tax Map 40, Parcel 377) on May 31, 2022. Tests and profile descriptions were documented for 7 locations. 5 test holes passed while test hole 601 (did not test - see profile) and 606 (33-minute rate) failed. Test hole 601 had a very "tight" soil profile with sandy clay loam to 6 feet and platy/rock to 8 feet.

Two of three trench ends were field located just outside the fence and staked with a flag while onsite. Septic contractors were going to locate 3rd trench and stake the location. The d-box lines-up with the as-built drawing in record, and it's marked by a cleanout near a large tree.

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.

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

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

Respectfully,

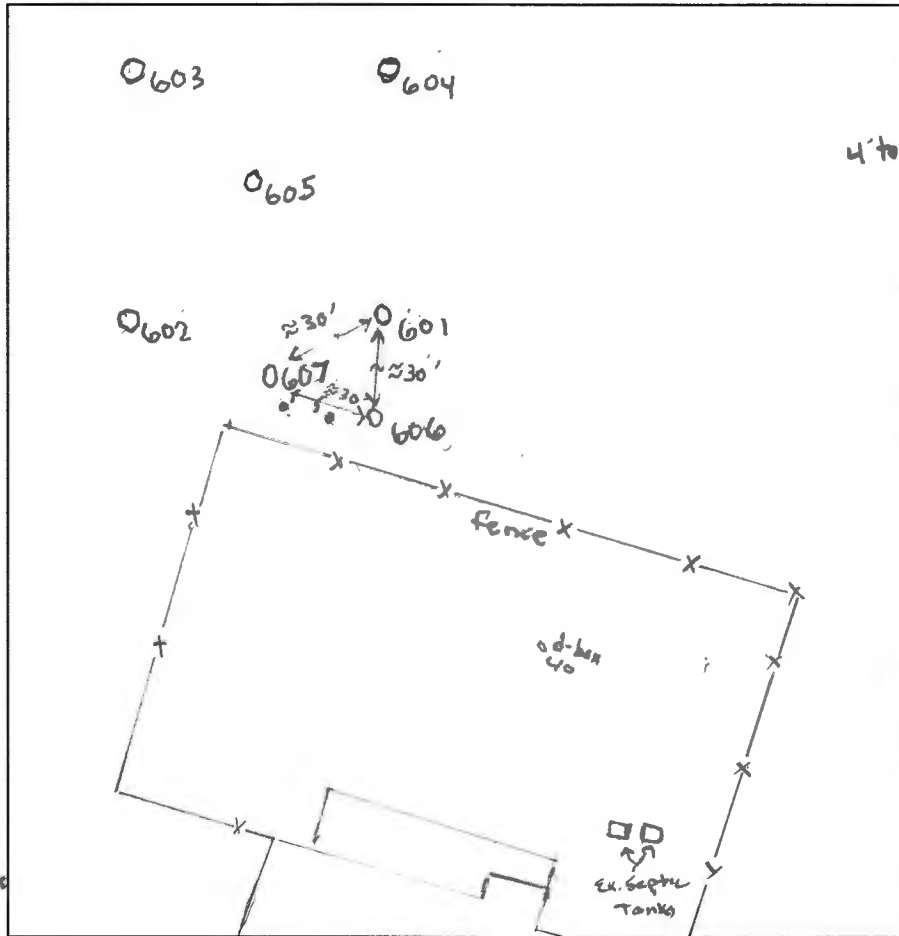
Hank Oswald

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

Attachment: Percolation Test Field Notes

AP 571528

Not to scale



7157 Deer Valley Rd (mn)

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5.31.22	602	4.10/12'	8:36	9:09	10:20	71	F
5.31.22	607	7'/12'	10:27	10:29	10:34	5	P
5.31.22	603	5 1/2/12'	9:31	9:34	9:40	6	P
5.31.22	604	7.5/12'	9:52	9:54	9:57	3	P
5.31.22	605	7.8/12'	10:12	10:40	11:10	30	P
5.31.22	606	3'/12.5	11:46	12:15	12:42	33	H
5.31.22	607	7'/12.5	12:12	12:23	12:42	19	P

REMARKS # 601 was not tested see profile
 L.E.H.S. SANITARIAN Hank Oswald BACKHOE _____ OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

602
 0.2' v. dark br l
 4' yellowish br scl pl
 6.5" yel red sl. scl pl
 11.5' red br sl pl
 12' tan sl 30% rock frags pl

601
 0.2' dk br l
 2' 3' yel br scl pl 5-10% rock frags
 5 1/2 to 6' red br cl scl pl 25-30% rock
 8' very tight tan sl pl dense > 50% rock hard bottom

605
 0.3' dk br l
 5' 0" br cl
 7'-8" yel br scl moist
 10' yel br sl
 12' red br sl pl 5-10% rock

603
 0.2' dk br l
 4.5' yel br cl
 8' yel br sl 5-10% rock frags
 9.5' red br sl
 12' pak red sl 5-10% rock frags

604
 0.3' dk br
 6.5" yel br cl
 8' yel br sl
 10' yel br sl
 10 1/2' tan sl 10% rock frags
 12'

606 & 607
 0.2' dk br l
 2' 3' yel br scl
 6 to 6.5" yel red sl. scl
 12' 5" yel red sl pl

• = trench ends

JONES PUMP SERVICE
Waterloo Biofilter Maintenance Report & Checklist

Week of
7/25

Name Howard Date 7-17-22
 Address Jared Ciner Tech Dwight
7157 Deer Valley Road
Highland, MD 20777 Phone _____
303-885-8078

- Disposal area
- | | | |
|------------------------------------|-------------------------------------|-------------------------------------|
| | Yes | No |
| 1. Surface is free of ponded water | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Effluent visible at surface | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
- Septic tank
- | | | |
|------------------------------------|--|--|
| 1. Effluent levels acceptable | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Fermentation bubbles visible | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Scum and sludge levels normal | Sludge level <input type="checkbox"/> | Scum level <input type="checkbox"/> |
| 4. Tank lids are sealed | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5. Floats are free moving | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6. Float tethers 2" - 2 1/2" | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. Pump operates normally | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 8. Effluent filter cleaned | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 9. Effluent filter locked in place | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 10. Septic tank odor is | Normal <input checked="" type="checkbox"/> | Putrid <input type="checkbox"/> Dead tank <input type="checkbox"/> |
| 11. All deficiencies repaired | <input type="checkbox"/> | <input type="checkbox"/> |

*Needs pumped
wipes in tank*

- Biofilter
- | | | |
|----------------------------------|--|---|
| 1. Spray nozzles are clear | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Foam slime build up is normal | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Foam discoloration is | Normal grey <input checked="" type="checkbox"/> | Black <input type="checkbox"/> Brown <input type="checkbox"/> |
| 4. Effluent clarity | Clear <input checked="" type="checkbox"/> Yellowish <input type="checkbox"/> White specs <input type="checkbox"/> Cloudy grey <input type="checkbox"/> | |
| 5. Effluent odor | None <input checked="" type="checkbox"/> Slight ammonia <input type="checkbox"/> Strong ammonia <input type="checkbox"/> Septic <input type="checkbox"/> | |
| 6. Floats are free moving | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. Pump tether length is 4 1/2" | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 8. Alarm tether length is 2 1/2" | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 9. Pump operates normally | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 10. Recirculation set correctly | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 11. Tank lids are sealed | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 12. All deficiencies repaired | <input type="checkbox"/> | <input type="checkbox"/> |

- Control Panel
- | | | |
|-------------------------|-------------------------------------|--------------------------|
| 1. Times set correct | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Pumps in auto mode | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Control panel closed | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Owner informed
Yes No

- Residence problems
- | | | | | |
|-----------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
| 1. Toilet or faucet leaking | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Ground settling | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Pump out needed | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Comments:

Bill upon completion \$440

Power Faults	<u>235</u>
Operating Hours	<u>99999</u>
Biofilter High Level Alarms	<u>1</u>
Septic Low Level Alarms	<u>11</u>
Septic Timer Float Count	95748 84704
Septic High Level Alarms	<u>1</u>
Septic Overrides	<u>4957</u>
Biofilter Pump Cycles	<u>6527</u>
ETM	<u>20448</u>
Septic Pump Cycles	<u>95748</u>

22-12-1
JDM
7-27-22

Oswald, Hank

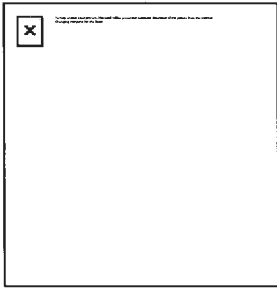
From: Steven Krieg -MDE- <steven.krieg@maryland.gov>
Sent: Tuesday, February 8, 2022 11:02 AM
To: Williams, Jeffrey
Cc: Oswald, Hank; Travis Sterner -MDE-; Robert Kutchman -MDE-; Silvast, Zackary
Subject: Re: Waterloo Unit_Bedroom Capacity Question

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

Sounds good.

We can set something up.

In law suites usually are a red flag with respect to flows.



Steven Krieg, LEHS, REHS/RS
Regional Consultant
Water and Science Administration
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, Maryland 21230
steven.krieg@maryland.gov
410-537-3680 (O)

[Website](#) | [Facebook](#) | [Twitter](#)

On Tue, Feb 8, 2022 at 10:49 AM Williams, Jeffrey <jewilliams@howardcountymd.gov> wrote:

Hank and I will discuss and I'll call you. Generally speaking, we would need to verify the existing drainfield big enough and meeting code (4' buffer) before approving a bedroom addition.

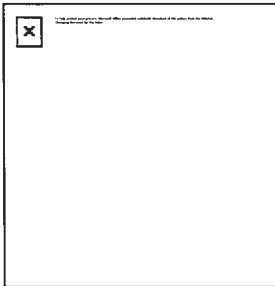
From: Steven Krieg -MDE- <steven.krieg@maryland.gov>
Sent: Tuesday, February 8, 2022 10:38 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Cc: Travis Sterner -MDE- <travis.sterner@maryland.gov>; Robert Kutchman -MDE- <robert.kutchman1@maryland.gov>; Williams, Jeffrey <jewilliams@howardcountymd.gov>
Subject: Re: Waterloo Unit_Bedroom Capacity Question

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

Thanks

That is an additional concern.

Jeff, give me a call to discuss how you want to handle this. At this point, without upgrades to the treatment system and drainfield, I don't see how it can be approved with respect to COMAR 26.04.02



Steven Krieg, LEHS, REHS/RS
Regional Consultant
Water and Science Administration
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, Maryland 21230
steven.krieg@maryland.gov
410-537-3680 (O)

[Website](#) | [Facebook](#) | [Twitter](#)

On Mon, Feb 7, 2022 at 2:58 PM Oswald, Hank <hoswald@howardcountymd.gov> wrote:

The floor plan doesn't show a washing machine, but it does show a dishwasher.

From: Steven Krieg -MDE- <steven.krieg@maryland.gov>

Sent: Monday, February 7, 2022 12:24 PM

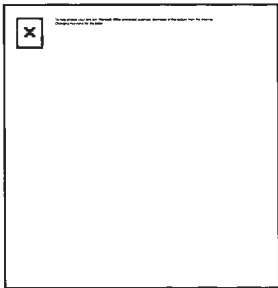
To: Oswald, Hank <hoswald@howardcountymd.gov>

Cc: Travis Sterner -MDE- <travis.sterner@maryland.gov>; Robert Kutchman -MDE- <robert.kutchman1@maryland.gov>; Williams, Jeffrey <jewilliams@howardcountymd.gov>
Subject: Re: Waterloo Unit_Bedroom Capacity Question

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

Also are they going to have another washing machine?

The Waterloo can be upgraded to handle the extra flow per Dwayne Jones but the potential for higher strength waste needs to be discussed and more research would be needed.



Steven Krieg, LEHS, REHS/RS
Regional Consultant
Water and Science Administration
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, Maryland 21230
steven.krieg@maryland.gov
410-537-3680 (O)

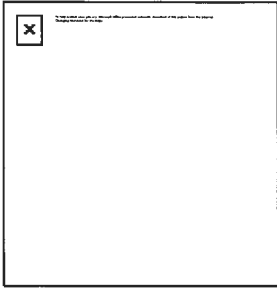
[Website](#) | [Facebook](#) | [Twitter](#)

On Fri, Feb 4, 2022 at 1:07 PM Steven Krieg -MDE- <steven.krieg@maryland.gov> wrote:

Hank

So we are still researching the treatment unit, but regardless, the drainfield was installed in 1989 and sized for 4 bedrooms at the time. You'll need to discuss with Jeff regarding where to take this one and he is welcome to discuss with me but I am assuming you are going to deny the permit?

Thanks



Steven Krieg, LEHS, REHS/RS
Regional Consultant
Water and Science Administration
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, Maryland 21230
steven.krieg@maryland.gov
410-537-3680 (O)

[Website](#) | [Facebook](#) | [Twitter](#)

On Fri, Feb 4, 2022 at 8:39 AM Oswald, Hank <hoswald@howardcountymd.gov> wrote:

It's a 1 bedroom, and 1 full bath w/ wet bar, but no stove top (The County had them remove the stove top from the original floor plan). See attached septic record.

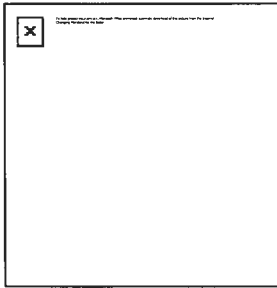
From: Steven Krieg -MDE- <steven.krieg@maryland.gov>
Sent: Friday, February 4, 2022 8:31 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Cc: Travis Sterner -MDE- <travis.sterner@maryland.gov>; Robert Kutchman -MDE- <robert.kutchman1@maryland.gov>
Subject: Re: Waterloo Unit_Bedroom Capacity Question

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

Thanks, that may be a game changer.

Do you have floor plans of the inlaw suite? Do they state a number of bedrooms in it? Does it have a kitchen?

I'm still looking into the Waterloo, but I bet the drain field isn't sized for more than 4 bedrooms? Can you send a copy of the as built of the drainfield?



Steven Krieg, LEHS, REHS/RS
Regional Consultant
Water and Science Administration
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, Maryland 21230
steven.krieg@maryland.gov
410-537-3680 (O)

[Website](#) | [Facebook](#) | [Twitter](#)

On Fri, Feb 4, 2022 at 8:25 AM Oswald, Hank <hoswald@howardcountymd.gov> wrote:

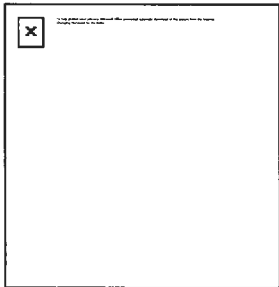
Yes, they want to convert the garage into an in-law suite.

From: Steven Krieg -MDE- <steven.krieg@maryland.gov>
Sent: Friday, February 4, 2022 8:12 AM
To: Travis Sterner -MDE- <travis.sterner@maryland.gov>
Cc: Robert Kutchman -MDE- <robert.kutchman1@maryland.gov>; Oswald, Hank <hoswald@howardcountymd.gov>
Subject: Re: Waterloo Unit_Bedroom Capacity Question

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

Resending to Hank's correct email address

Hank Oswald



Steven Krieg, LEHS, REHS/RS
Regional Consultant
Water and Science Administration
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, Maryland 21230
steven.krieg@maryland.gov
410-537-3680 (O)

[Website](#) | [Facebook](#) | [Twitter](#)

On Fri, Feb 4, 2022 at 8:09 AM Steven Krieg -MDE- <steven.krieg@maryland.gov> wrote:

Hank

Just to confirm: The existing number of bedrooms is 4 per your As built drawing and per online real estate listings.

Are they proposing to add a 5th bedroom?

More later.



Steven Krieg, LEHS, REHS/RS
Regional Consultant
Water and Science Administration
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, Maryland 21230
steven.krieg@maryland.gov
410-537-3680 (O)

[Website](#) | [Facebook](#) | [Twitter](#)

On Thu, Feb 3, 2022 at 1:44 PM Travis Sterner -MDE- <travis.sterner@maryland.gov> wrote:

Hank,

This unit never passed the requirements to become a Class I unit. So I am not as knowledgeable about this technology as I am with other units.

The first scanned page says in two different places (under the address, and Note section) that it is good for 600gpd which would work for up to 4 bedrooms. I would assume this unit could be used for a 4 bedroom house according to our regulation.

Is there a reason you do not believe this unit will be acceptable for this application?

Travis Sterner, LEHS

BRF, BAT Section Head

Water Management Administration

Maryland Department of the Environment

1800 Washington Blvd

Baltimore, MD 21230

Travis.Sterner@Maryland.gov

(410) 537-3635 (office)

[Website](#) | [Facebook](#) | [Twitter](#)

Click here to complete a three question [customer experience survey](#). Travis E. Sterner, L.E.H.S

----- Forwarded message -----

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

Date: Wed, Feb 2, 2022 at 10:56 AM

Subject: Waterloo Unit_Bedroom Capacity Question

To: travis.sterner@maryland.gov <travis.sterner@maryland.gov>

Hi Travis:

I have a building permit for a living space/bedroom addition, and I want to confirm bedroom capacity (4?) on the existing unit called Waterloo Biofilter installed in 2009. Please see attached record for details. Any information would be greatly appreciated.

Thanks,

Hank

Hank Oswald, L.E.H.S.

Howard County Health Department

Well & Septic Program

410.313.1786

hoswald@howardcountymd.gov

[Click here](#) to complete a three question customer experience survey.

[Click here](#) to complete a three question customer experience survey.

[Click here](#) to complete a three question customer experience survey.

[Click here](#) to complete a three question customer experience survey.

[Click here](#) to complete a three question customer experience survey.

[Click here](#) to complete a three question customer experience survey.

Oswald, Hank

From: Oswald, Hank
Sent: Monday, May 16, 2022 8:35 AM
To: jaredciner@gmail.com
Cc: Zach Sill
Subject: Perc Test_7157 Deer Valley Road
Attachments: SEPTIC CONTRACTORS 2.4.2020.pdf

Hello Mr. Ciner:

Good morning. I would like to schedule the perc test for 7157 Deer Valley Drive. Please choose from one of the following dates:

- Tuesday May 31st starting at 8 a.m.
- Thursday June 2nd starting at 8 a.m.

We will need an experienced septic contractor with a backhoe capable of excavating test holes to 12.5 - 13 feet and field locating the existing septic trenches. I've attached a short list of septic contractors in case you need it.

Please confirm a date with me as soon as possible.

Thanks,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Well & Septic Program
410.313.1786
hoswald@howardcountymd.gov

Oswald, Hank

From: Oswald, Hank
Sent: Wednesday, February 2, 2022 11:36 AM
To: 'gabrieleciner@gmail.com'
Subject: Septic Tank_7157 Deer Valley
Attachments: WS_DeerValley_7157_SepticPermit-2009.pdf; Section 3.801 Bedroom Definition.pdf

Hi Gabriel:

I wanted to follow-up with you about the septic tank on your property. It's called a Waterloo Biofilter Pretreatment unit. It was last serviced by Donald Jones in March 2021. I believe he is with Jones Pump Services. His contact information can be found in the attached record. The units next service is due in March.

Per the septic record, the Waterloo Biofilter Pretreatment unit has a bedroom capacity of 4. To confirm # of bedrooms, this office will need a copy of the existing floor plans (basement, 1st and 2nd floor). You may email them directly to me. Should the in-law suite addition increase the bedroom count to 5, then either the system will need upgrades or the floor plan revised to stay at 4 bedrooms. I've attached the definition of a bedroom for reference.

Should you have any questions or wish to discuss further, please don't hesitate to call or email.

Thanks,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Well & Septic Program
410.313.1786
hoswald@howardcountymd.gov

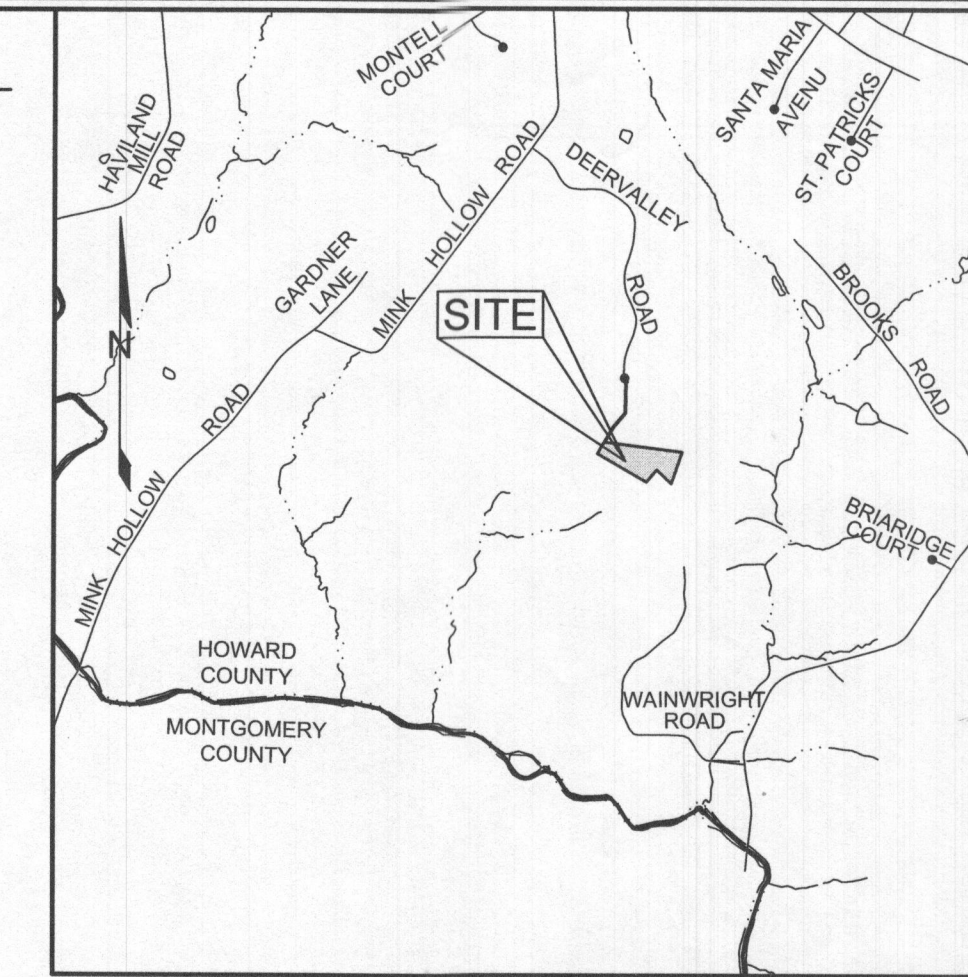
SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	0.24
MaB	MANOR LOAM, 3 TO 8 PERCENT SLOPES	B	0.24
MaC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B	0.28

NOTES:
 1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE; NATURAL RESOURCES CONSERVATION SERVICE; WEB SOIL SURVEY.
 2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

LEGEND

- EXISTING CONTOUR (GIS) 382
- EXISTING CONTOUR (FIELD RUN) 382
- EXISTING TREELINE
- SOIL BOUNDARY
- EXISTING FENCE LINE
- PROPOSED PERC LOCATION



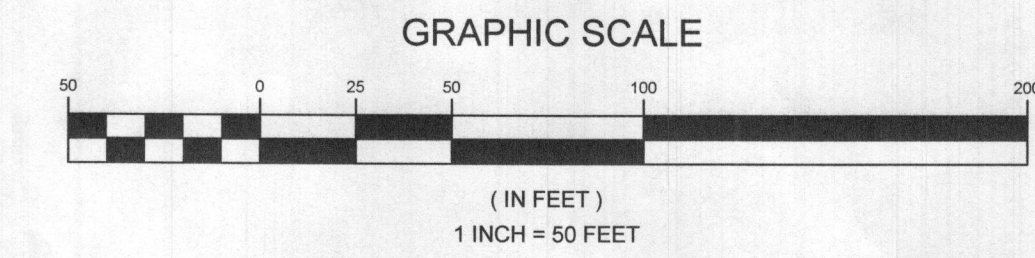
VICINITY MAP
SCALE: 1"=200'

GENERAL NOTES

1. SUBJECT PROPERTY ZONED RR-DEO PER 10/06/2013 COMPREHENSIVE ZONING PLAN.
2. TOTAL AREA OF PROPERTY = 5.50 AC ±
3. DEED REFERENCE LIBER: 20944 FOLIO: 300
4. PROPERTY ADDRESS: 7157 SOUTH WEST DEER VALLEY ROAD, HIGHLAND MARYLAND 20777.
5. THE BOUNDARY SHOWN HEREON IS BASED ON A BOUNDARY SURVEY PERFORMED BY SHANBERGER & LANE IN APRIL OF 2022.
6. THE TOPOGRAPHY SHOWN WITHIN THE DEVELOPED AREA IS BASED ON A TOPOGRAPHIC SURVEY PERFORMED BY SHANBERGER & LANE IN APRIL OF 2022. TOPOGRAPHY OUTSIDE THE DEVELOPED AREA IS BASED ON HOWARD COUNTY GIS FLOWN IN 2018.
7. PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
8. THIS AREA DESIGNATES A PRIVATE SEWAGE AREA, AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). 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.
9. THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
10. ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREA WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREA HAVE BEEN LOCATED.
11. EXISTING HOUSE HAS THREE (3) BEDROOMS. EXISTING GARAGE TO BE CONVERTED TO LIVING SPACE ADDING ONE (1) BEDROOM FOR A TOTAL OF FOUR (4) BEDROOMS.
12. THE PURPOSE OF THIS PLAN IS TO ESTABLISH A SEWAGE DISPOSAL AREA FOR PARCEL 377.



PLAN VIEW
SCALE: 1"=50'



OWNER/DEVELOPER
 JARED & GABRIELE OINER
 7157 DEER VALLEY ROAD
 HIGHLAND, MARYLAND 20777

PERCOLATION APPLICATION PLAN
JARED PROPERTY
 7157 DEER VALLEY ROAD

TAX MAP 40 GRID 8
 5TH ELECTION DISTRICT

PARCEL 377
 HOWARD COUNTY, MARYLAND

SILL ENGINEERING GROUP, LLC
 16005 Frederick Road, 2nd Floor
 Woodbine, Maryland 21797
 Phone: 443.325.5076
 Fax: 410.696.3022
 Email: info@sillengineering.com
 Civil Engineering for Land Development

DESIGN BY: PS
 DRAWN BY: ZS
 CHECKED BY: PS
 SCALE: AS SHOWN
 DATE: APRIL 27, 2022
 PROJECT #: 22-005
 SHEET #: 1 of 1

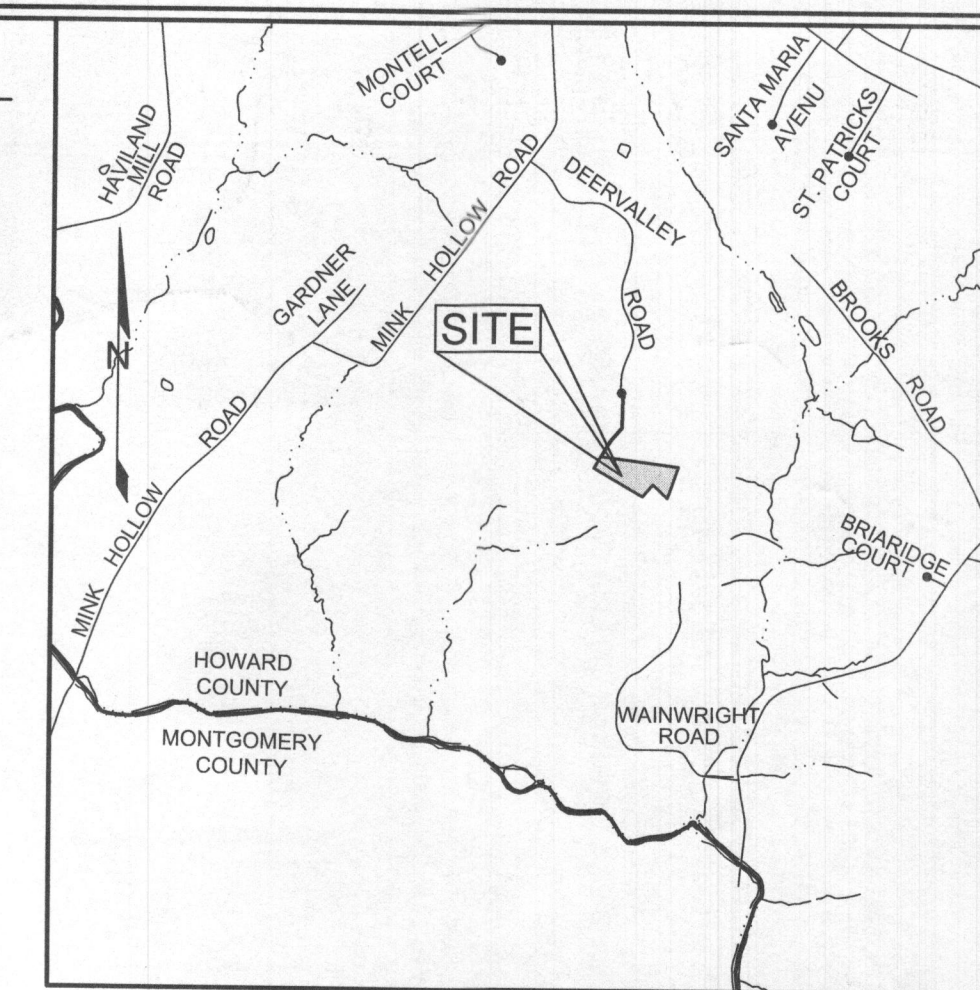
PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32025, EXPIRATION DATE: JUNE 29, 2023

SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	0.24
MaB	MANOR LOAM, 3 TO 8 PERCENT SLOPES	B	0.24
MaC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B	0.28

NOTES:
 1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, WEB SOIL SURVEY.
 2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

LEGEND

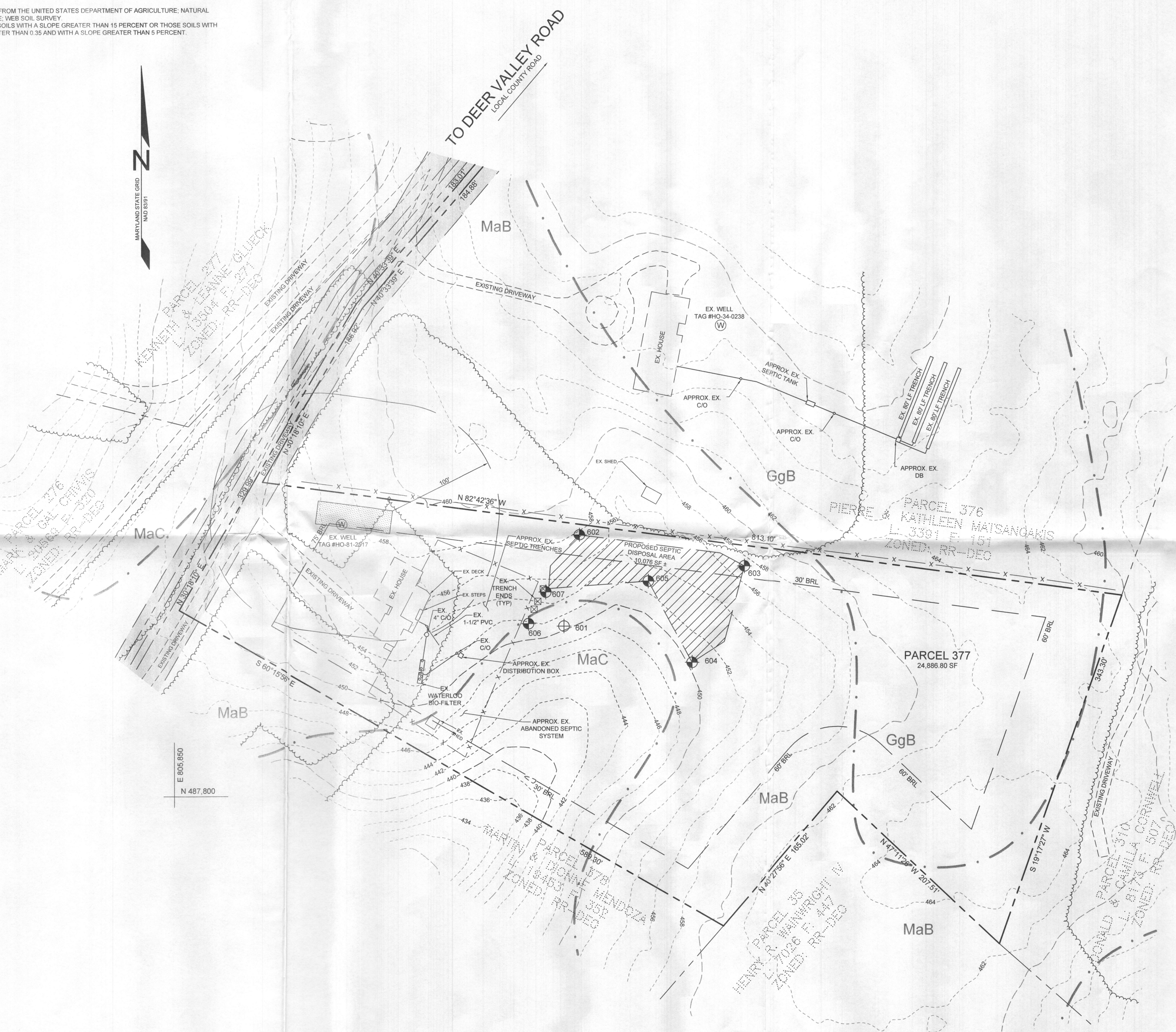
- EXISTING CONTOUR(GIS)
- EXISTING CONTOUR(FIELD RUN)
- EXISTING TREELINE
- SOIL BOUNDARY
- EXISTING FENCE LINE
- EXISTING PERCOLATION LOCATION PASSED
- EXISTING PERCOLATION LOCATION FAILED
- EXISTING END OF SEPTIC TRENCH
- FUTURE WELL BOX



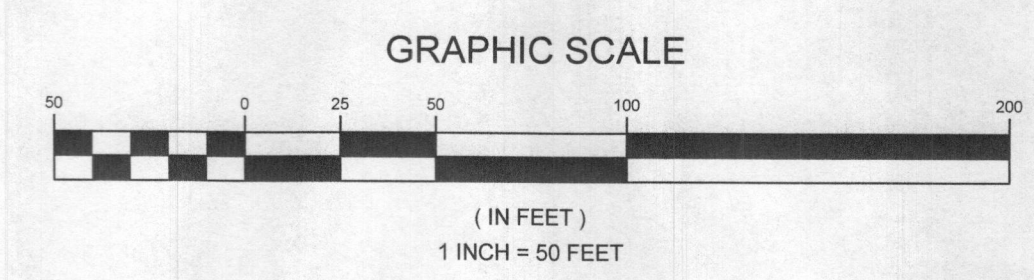
VICINITY MAP
SCALE: 1"=200'

GENERAL NOTES

- SUBJECT PROPERTY ZONED RR-DEO PER 10/06/2013 COMPREHENSIVE ZONING PLAN.
- TOTAL AREA OF PROPERTY = 5.50 AC ±
- DEED REFERENCE: LIBER: 20844 FOLIO: 300
- PROPERTY ADDRESS: 7157 SOUTH WEST DEER VALLEY ROAD, HIGHLAND MARYLAND 20777.
- THE BOUNDARY SHOWN HEREON IS BASED ON A BOUNDARY SURVEY PERFORMED BY SHANBERGER & LANE IN APRIL OF 2022.
- THE TOPOGRAPHY SHOWN WITHIN THE DEVELOPED AREA IS BASED ON A TOPOGRAPHIC SURVEY PERFORMED BY SHANBERGER & LANE IN APRIL OF 2022. TOPOGRAPHY OUTSIDE THE DEVELOPED AREA IS BASED ON HOWARD COUNTY GIS FLOWN IN 2018.
- PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA, AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 28.04.03). 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.
- TO THE BEST OF OUR KNOWLEDGE THERE ARE NO CEMETERY LOCATIONS ON-SITE.
- PER AN ENVIRONMENTAL REVIEW PERFORMED BY ECO-SCIENCE PROFESSIONALS, INC IN MARCH OF 2022, THERE ARE NO WETLANDS, STREAMS OR THE ASSOCIATED BUFFERS, ON-SITE.
- THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREA WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREA HAVE BEEN LOCATED.
- EXISTING HOUSE HAS THREE (3) BEDROOMS. EXISTING GARAGE TO BE CONVERTED TO LIVING SPACE ADDING ONE (1) BEDROOM FOR A TOTAL OF FOUR (4) BEDROOMS.
- ANY CHANGES TO THE PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE EXISTING WELL TAG # HO-81-2517 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- THE PURPOSE OF THIS PLAN IS TO ESTABLISH A SEWAGE DISPOSAL AREA FOR PARCEL 377.



PLAN VIEW
SCALE: 1"=50'



OWNER/DEVELOPER
 JARED & GABRIELE CINER
 7157 DEER VALLEY ROAD
 HIGHLAND, MARYLAND 20777

PERCOLATION CERTIFICATION PLAN
CINER PROPERTY
 7157 DEER VALLEY ROAD

TAX MAP 40 GRID 8
 5TH ELECTION DISTRICT

PARCEL 377
 HOWARD COUNTY, MARYLAND

PAUL M. SILL, PE, LEED AP
 LICENSED PROFESSIONAL ENGINEER #32025

SILL ENGINEERING GROUP, LLC
 16005 Frederick Road, 2nd Floor
 Woodbine, Maryland 21797
 Phone: 443.325.5076
 Fax: 410.696.3022
 Email: info@silengineering.com
 Civil Engineering for Land Development

DESIGN BY: PS
 DRAWN BY: ZS
 CHECKED BY: PS
 SCALE: AS SHOWN
 DATE: AUGUST 3, 2022
 PROJECT #: 22-005
 SHEET #: 1 of 1

PROFESSIONAL CERTIFICATION: 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. 32025, EXPIRATION DATE: JUNE 30, 2023.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

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.

8/5/22

8/5/22

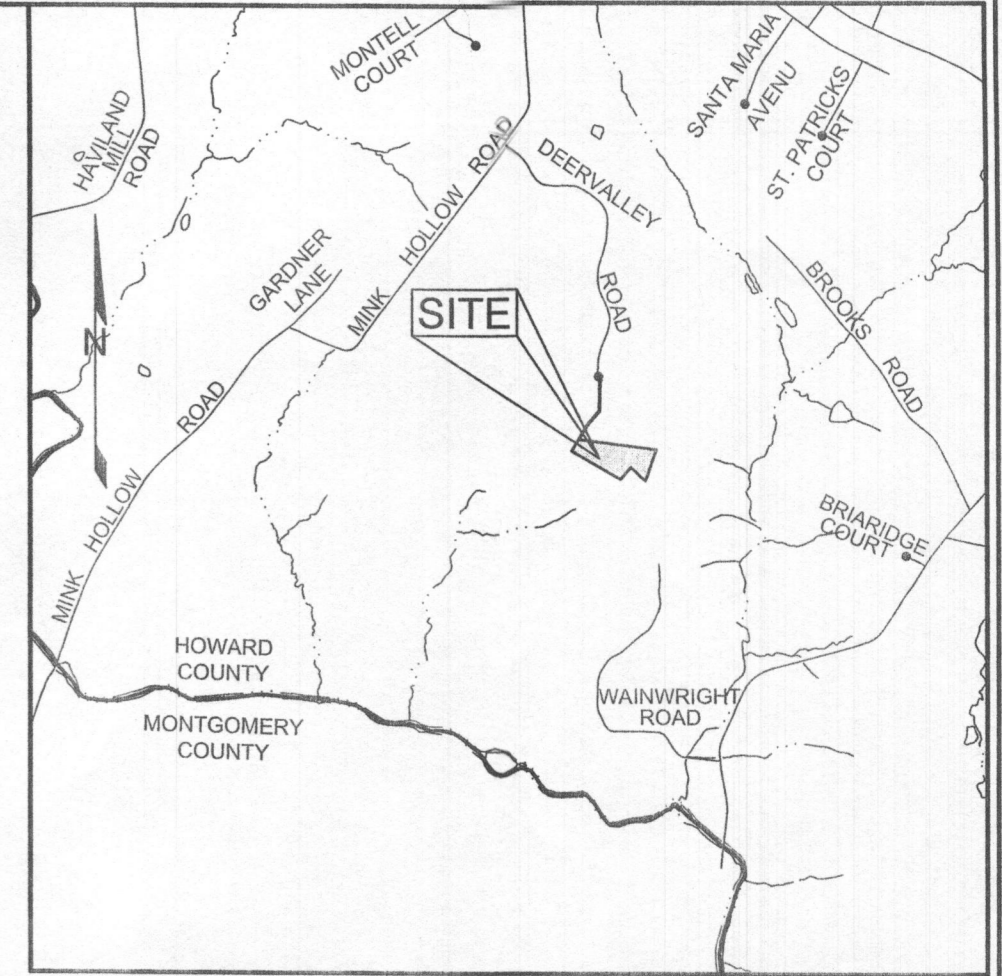
COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	0.24
MaB	MANOR LOAM, 3 TO 8 PERCENT SLOPES	B	0.24
MbC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B	0.28

NOTES:
 1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, WEB SOIL SURVEY.
 2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

LEGEND

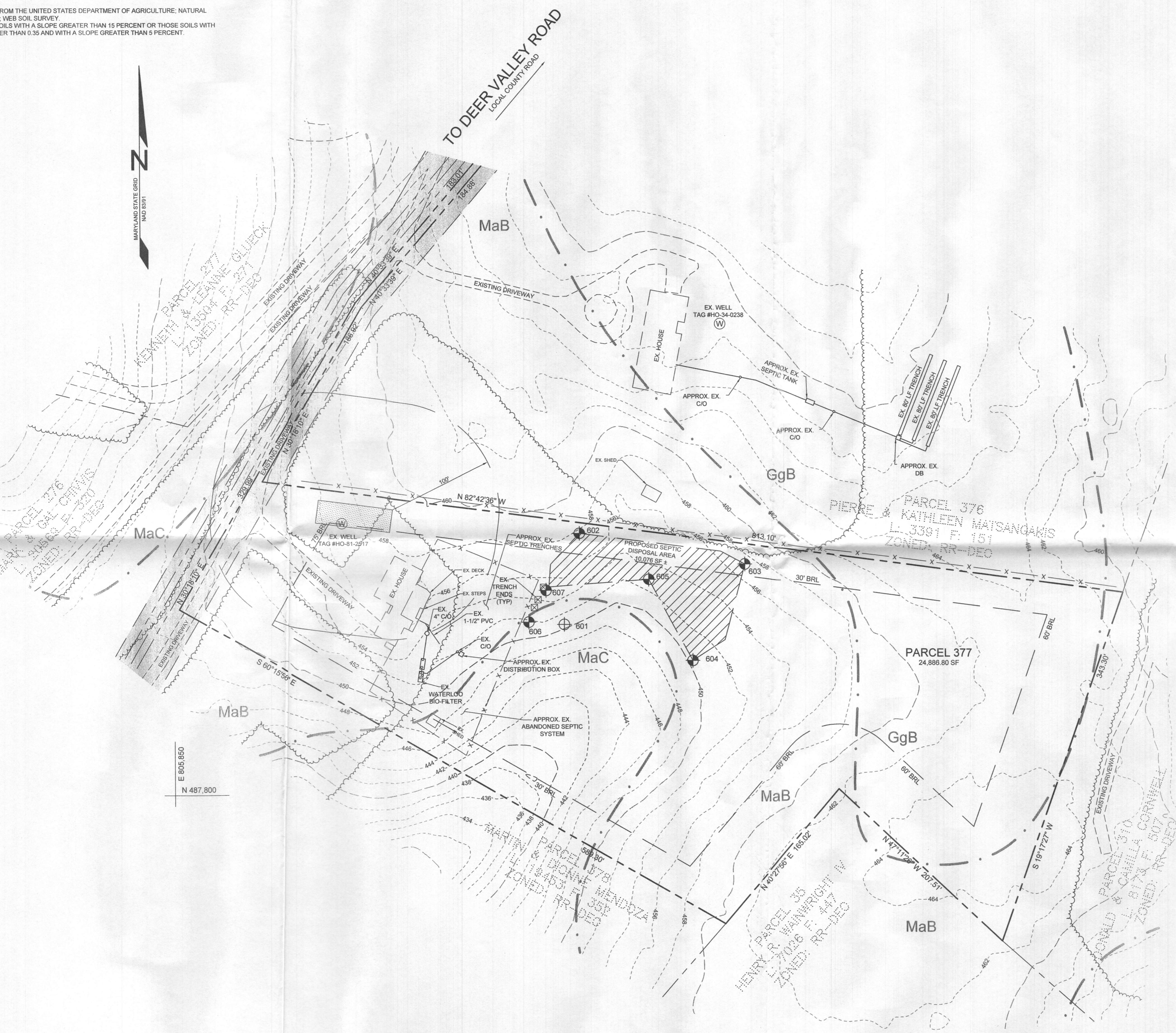
- EXISTING CONTOUR (GIS)
- EXISTING CONTOUR (FIELD RUN)
- EXISTING TREELINE
- SOIL BOUNDARY
- EXISTING FENCE LINE
- EXISTING PERCOLATION LOCATION PASSED
- EXISTING PERCOLATION LOCATION FAILED
- EXISTING END OF SEPTIC TRENCH
- FUTURE WELL BOX



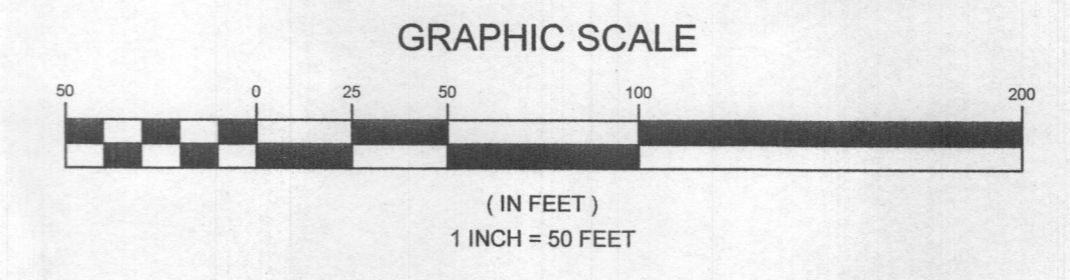
VICINITY MAP
SCALE: 1"=2000'

GENERAL NOTES

- SUBJECT PROPERTY ZONED RR-DEO PER 10/06/2013 COMPREHENSIVE ZONING PLAN.
- TOTAL AREA OF PROPERTY = 5.50 AC ±
- DEED REFERENCE: LIBER: 20944 FOLIO: 300
- PROPERTY ADDRESS: 7157 SOUTH WEST DEER VALLEY ROAD, HIGHLAND MARYLAND 20777.
- THE BOUNDARY SHOWN HEREON IS BASED ON A BOUNDARY SURVEY PERFORMED BY SHANBERGER & LANE IN APRIL OF 2022.
- THE TOPOGRAPHY SHOWN WITHIN THE DEVELOPED AREA IS BASED ON A TOPOGRAPHIC SURVEY PERFORMED BY SHANBERGER & LANE IN APRIL OF 2022. TOPOGRAPHY OUTSIDE THE DEVELOPED AREA IS BASED ON HOWARD COUNTY GIS FLOWN IN 2018.
- PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA, AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). 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.
- TO THE BEST OF OUR KNOWLEDGE THERE ARE NO CEMETERY LOCATIONS ON-SITE.
- PER AN ENVIRONMENTAL REVIEW PERFORMED BY ECO-SCIENCE PROFESSIONALS, INC. IN MARCH OF 2022, THERE ARE NO WETLANDS, STREAMS OR THE ASSOCIATED BUFFERS ON-SITE.
- THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREA WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREA HAVE BEEN LOCATED.
- EXISTING HOUSE HAS THREE (3) BEDROOMS. EXISTING GARAGE TO BE CONVERTED TO LIVING SPACE ADDING ONE (1) BEDROOM FOR A TOTAL OF FOUR (4) BEDROOMS.
- ANY CHANGES TO THE PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE EXISTING WELL TAG # HO-81-2517 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- THE PURPOSE OF THIS PLAN IS TO ESTABLISH A SEWAGE DISPOSAL AREA FOR PARCEL 377.



PLAN VIEW
SCALE: 1"=50'



OWNER/DEVELOPER
 JARED & GABRIELE CINER
 7157 DEER VALLEY ROAD
 HIGHLAND, MARYLAND 20777

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

Paul M. Sill
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

8/5/22

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.

Paul M. Sill
 PAUL M. SILL, PE, LEED AP
 LICENSED PROFESSIONAL ENGINEER #32025

DATE: 8/5/22

PERCOLATION CERTIFICATION PLAN
CINER PROPERTY
 7157 DEER VALLEY ROAD

TAX MAP 40 GRID 8
 5TH ELECTION DISTRICT

PARCEL 377
 HOWARD COUNTY, MARYLAND

SILL ENGINEERING GROUP, LLC

16005 Frederick Road, 2nd Floor
 Woodbine, Maryland 21797
 Phone: 443.325.5076
 Fax: 410.696.2022
 Email: info@sillengineering.com
 Civil Engineering for Land Development

DESIGN BY: PS
 DRAWN BY: ZS
 CHECKED BY: PS
 SCALE: AS SHOWN
 DATE: AUGUST 3, 2022
 PROJECT #: 22-005
 SHEET #: 1 of 1

PROFESSIONAL CERTIFICATION: 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. 32025, EXPIRATION DATE JUNE 20, 2023