



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 Chande Property
 PROPERTY ADDRESS 11813 Chapel Woods Court Clarksville, Maryland 21029
STREET TOWN ZIP
 TAX ACCOUNT # 05-414032 TAX MAP 29 GRID 19 PARCEL 356 LOT NO. 2 PROPOSED LOT SIZE (ACRES) 3.54 AC
 ZONING CATEGORY RR-DEO TIER _____

PROPERTY OWNER(S) Alhad & Karen Chande

DAYTIME PHONE 443-634-4652 CELL _____ EMAIL achande@teampointblank.com
 MAILING ADDRESS 11101 Dorsch Farm Road Ellicott City, Maryland 21042
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

5/24/22

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

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

APPLICATION
FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME Chande Property
PROPERTY ADDRESS 11813 Chapel Woods Court Clarksville, Maryland 21029
TAX ACCOUNT # 05-414032 TAX MAP 29 GRID 19 PARCEL 356 LOT NO. 2 PROPOSED LOT SIZE (ACRES) 3.54 AC
ZONING CATEGORY RR-DEO TIER

PROPERTY OWNER(S)

Alhad & Karen Chande
DAYTIME PHONE 443-634-4652 CELL EMAIL achande@teampointblank.com
MAILING ADDRESS 11101 Dorsch Farm Road Ellicott City, Maryland 21042

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

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.

[Handwritten Signature]

5/24/22

SIGNATURE OF APPLICANT

DATE

WS-PT-22-01790



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 Chande Property

PROPERTY ADDRESS 11813 Chapel Woods Court Clarksville, Maryland 21029
STREET TOWN ZIP

TAX ACCOUNT # 05-414032 TAX MAP 29 GRID 19 PARCEL 356 LOT NO. 2 PROPOSED LOT SIZE (ACRES) 3.54 AC

ZONING CATEGORY RR-DEO TIER

PROPERTY OWNER(S) Alhad & Karen Chande

DAYTIME PHONE 443-634-4652 CELL EMAIL achande@teampointblank.com

MAILING ADDRESS 11101 Dorsch Farm Road Ellicott City, Maryland 21042
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

Bernard, Dana

From: Zach Sill <zach@sillengineering.com>
Sent: Monday, June 27, 2022 12:09 PM
To: Bernard, Dana
Cc: Al Chande
Subject: RE: 11813 Chapel Woods Court

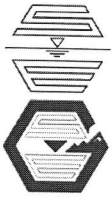
[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hello Dana,

I just spoke with the contractor. They don't have the ability to get out to the site on either of the dates provided due to some backlog. Are there any dates after July 6th that are available? I have all CC'd the owners correct email address on this email. I had put the wrong email on the application and sent you an email about having that corrected.

Thanks!

Zachary Sill
Civil Drafter
Erosion & Sediment Control No. RPC016242



SILL ENGINEERING GROUP, LLC
SEG LAND SURVEYING, LLC
16005 Frederick Road, 2nd Floor
Woodbine, MD 21797
Office: 443-325-5076 ext. 107 | Fax: 410-696-2022
Website: www.sillengineering.com

From: Bernard, Dana <dbernard@howardcountymd.gov>
Sent: Friday, June 24, 2022 4:02 PM
To: Zach Sill <zach@sillengineering.com>
Subject: RE: 11813 Chapel Woods Court

Confirmed

From: Zach Sill <zach@sillengineering.com>
Sent: Friday, June 24, 2022 3:23 PM
To: Bernard, Dana <dbernard@howardcountymd.gov>
Cc: Lori Aronow <lori@sillengineering.com>
Subject: RE: 11813 Chapel Woods Court

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

Hello Dana,

The client would like to set up the testing for the 29th. Is there anything else you need from me?

Thanks,

Zachary Sill
Civil Drafter
Erosion & Sediment Control No. RPC016242



SILL ENGINEERING GROUP, LLC
SEG LAND SURVEYING, LLC
16005 Frederick Road, 2nd Floor
Woodbine, MD 21797
Office: 443-325-5076 ext. 107 | Fax: 410-696-2022
Website: www.sillengineering.com

From: Bernard, Dana <dbernard@howardcountymd.gov>
Sent: Thursday, June 23, 2022 9:32 AM
To: Zach Sill <zach@sillengineering.com>
Subject: RE: 11813 Chapel Woods Court

Great!

From: Zach Sill <zach@sillengineering.com>
Sent: Thursday, June 23, 2022 9:12 AM
To: Bernard, Dana <dbernard@howardcountymd.gov>
Cc: Lori Aronow <lori@sillengineering.com>
Subject: RE: 11813 Chapel Woods Court

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

Hello Mrs. Bernard,

Good news to hear on the approval! We will be in touch when we narrow down a date for the testing.

Thanks,

Zachary Sill
Civil Drafter
Erosion & Sediment Control No. RPC016242



SILL ENGINEERING GROUP, LLC
SEG LAND SURVEYING, LLC
16005 Frederick Road, 2nd Floor
Woodbine, MD 21797
Office: 443-325-5076 ext. 107 | Fax: 410-696-2022
Website: www.sillengineering.com

From: Bernard, Dana <dbernard@howardcountymd.gov>
Sent: Wednesday, June 22, 2022 4:05 PM
To: achande@teampointblank.com
Cc: Zach Sill <zach@sillengineering.com>
Subject: 11813 Chapel Woods Court

Good Afternoon All,

I have received your percolation certification plan and it has been approved for testing.

Now that your application is approved I am offering the following days for percolation testing:

Wednesday June 29th 2022 or Wednesday July 6th 2022

Let me know which day works for you. The following must occur before the test date:

Health Requirements Prior to Testing

1. The proposed test locations will need to be staked.
2. Miss Utility must be called to come out to the site and check for utility lines. If there are any they must be marked on the plan and in the field.
3. You are required to provide a septic contractor to complete the tests.

Please notify me the name of the contractor you will be using to complete your testing. If anyone has a question regarding this procedure don't hesitate to send me an email.

Thanks
Dana

Bernard, Dana

From: Zach Sill <zach@sillengineering.com>
Sent: Friday, June 24, 2022 4:44 PM
To: Bernard, Dana
Cc: Lori Aronow
Subject: FW: 11813 Chapel Woods Court

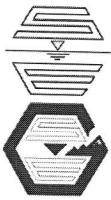
[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dana,

What time on Wednesday did the county prefer? I forgot to ask.

Thanks,

Zachary Sill
Civil Drafter
Erosion & Sediment Control No. RPC016242



SILL ENGINEERING GROUP, LLC
SEG LAND SURVEYING, LLC
16005 Frederick Road, 2nd Floor
Woodbine, MD 21797
Office: 443-325-5076 ext. 107 | Fax: 410-696-2022
Website: www.sillengineering.com

From: Zach Sill
Sent: Friday, June 24, 2022 4:10 PM
To: Bernard, Dana <dbernard@howardcountymd.gov>
Cc: Lori Aronow <lori@sillengineering.com>
Subject: RE: 11813 Chapel Woods Court

Hey Dana,

I'm just now noticing that I had placed the incorrect email address for the property owner on the application. Could you please add the email achande@comcast.net for the clients contact email, and remove the one I had written in?

Thanks,

Zachary Sill
Civil Drafter
Erosion & Sediment Control No. RPC016242



SILL ENGINEERING GROUP, LLC
SEG LAND SURVEYING, LLC
16005 Frederick Road, 2nd Floor
Woodbine, MD 21797
Office: 443-325-5076 ext. 107 | Fax: 410-696-2022
Website: www.sillengineering.com

From: Bernard, Dana <dbernard@howardcountymd.gov>
Sent: Friday, June 24, 2022 4:02 PM
To: Zach Sill <zach@sillengineering.com>
Subject: RE: 11813 Chapel Woods Court

Confirmed

From: Zach Sill <zach@sillengineering.com>
Sent: Friday, June 24, 2022 3:23 PM
To: Bernard, Dana <dbernard@howardcountymd.gov>
Cc: Lori Aronow <lori@sillengineering.com>
Subject: RE: 11813 Chapel Woods Court

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

Hello Dana,

The client would like to set up the testing for the 29th. Is there anything else you need from me?

Thanks,

Zachary Sill
Civil Drafter
Erosion & Sediment Control No. RPC016242



SILL ENGINEERING GROUP, LLC
SEG LAND SURVEYING, LLC
16005 Frederick Road, 2nd Floor
Woodbine, MD 21797
Office: 443-325-5076 ext. 107 | Fax: 410-696-2022
Website: www.sillengineering.com

From: Bernard, Dana <dbernard@howardcountymd.gov>
Sent: Thursday, June 23, 2022 9:32 AM
To: Zach Sill <zach@sillengineering.com>
Subject: RE: 11813 Chapel Woods Court

Great!

From: Zach Sill <zach@sillengineering.com>
Sent: Thursday, June 23, 2022 9:12 AM
To: Bernard, Dana <dbernard@howardcountymd.gov>
Cc: Lori Aronow <lori@sillengineering.com>
Subject: RE: 11813 Chapel Woods Court

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

Hello Mrs. Bernard,

Good news to hear on the approval! We will be in touch when we narrow down a date for the testing.

Thanks,

Zachary Sill
Civil Drafter

Erosion & Sediment Control No. RPC016242



SILL ENGINEERING GROUP, LLC
SEG LAND SURVEYING, LLC

16005 Frederick Road, 2nd Floor
Woodbine, MD 21797

Office: 443-325-5076 ext. 107 | Fax: 410-696-2022

Website: www.sillengineering.com

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

Sent: Wednesday, June 22, 2022 4:05 PM

To: achande@teampointblank.com

Cc: Zach Sill <zach@sillengineering.com>

Subject: 11813 Chapel Woods Court

Good Afternoon All,

I have received your percolation certification plan and it has been approved for testing.

Now that your application is approved I am offering the following days for percolation testing:

Wednesday June 29th 2022 or Wednesday July 6th 2022

Let me know which day works for you. The following must occur before the test date:

Health Requirements Prior to Testing

1. The proposed test locations will need to be staked.
2. Miss Utility must be called to come out to the site and check for utility lines. If there are any they must be marked on the plan and in the field.
3. You are required to provide a septic contractor to complete the tests.

Please notify me the name of the contractor you will be using to complete your testing. If anyone has a question regarding this procedure don't hesitate to send me an email.

Thanks
Dana

Bernard, Dana

From: Bernard, Dana
Sent: Wednesday, June 22, 2022 4:04 PM
To: 'achande@teampointblank.com'
Cc: 'Zach Sill'
Subject: 11813 Chapel Woods Court

Good Afternoon All,

I have received your percolation certification plan and it has been approved for testing.

Now that your application is approved I am offering the following days for percolation testing:


Wednesday June 29th 2022 or Wednesday July 6th 2022

Let me know which day works for you. The following must occur before the test date:

Health Requirements Prior to Testing

1. The proposed test locations will need to be staked.
2. Miss Utility must be called to come out to the site and check for utility lines. If there are any they must be marked on the plan and in the field.
3. You are required to provide a septic contractor to complete the tests.

Please notify me the name of the contractor you will be using to complete your testing. If anyone has a question regarding this procedure don't hesitate to send me an email.

Thanks 
Dana

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

July 19, 2022

TO: Zachary Sill

Sent via email to: zach@sillengineering.com

RE: Percolation Testing Results

Tax Map 29, Parcel, 356
11813 Chapel Woods Court
Clarksville, MD 21029

Mr. Sill,

Percolation testing was conducted on the referenced property on July 13, 2022. The purpose for conducting these percolation tests was for the redesign of the existing sewage disposal area for the existing lot.

A total of two (2) test holes evaluated and two (2) were found to be satisfactory to establish a sewage disposal area for the existing lot. 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 residence.

If you have any questions or correspondence regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by telephone at (410) 313-2775.

Respectfully,

Dana Bernard 

Dana Bernard, REHS/L.E.H.S.
Environmental Specialist II
Well and Septic Program

Enclosures (2)

AP

#601

Red Brown
yellow
SL

2.5

Red Brown

SL
many
nuts
0-5%
RX



1.4

#602

Red Brown
yellow
SL

1.5

Red Brown

yellow
SL

Red Brown

5.5

FSL
many
nuts
↓

1.4

See map: 29

Parcel 354

601

602

11813 Chapel Woods Court

| DATE | TEST # | DEPTH | START | BREAK 1" DROP | STOP 2" DROP | TIME OF 2ND INCH | P/F/H |
|---------|--------|--------|-------|------------------|-----------------|---------------------|-------|
| 7-13-22 | 601 | 3 / 14 | 10:30 | 10:38 | 10:58 | 20 min | P |
| 7-13-22 | 602 | 3 / 14 | 10:50 | 10:52 | 10:55 | 3 min | P |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

REMARKS

SANITARIAN D. Bernard BACKHOE Jogels OTHERS _____

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

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

March 25, 2024

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

TO: Zach Sill

Sent via email to: zach@sillengineering.com

RE: Percolation Testing Results

Tax Map 29, Parcel, 356
11813 Chapel Woods Court
Clarksville, MD 21029

Mr. Sill,

I recently approved your OSDS, and the number of bedrooms were 5 bedrooms. However, once the building permit was received, the floor plans reflected 8 bedrooms. This unfortunately invalidates your previous OSDS, and you must submit a new OSDS to support your proposed building permit. I have listed the following changes needed to resubmit your new OSDS below:

1. Recalculate and redesign you're your trenches to accommodate the extra bedrooms.
2. Redesign your system with a larger tank to accommodate the extra bedrooms.
3. I noticed you placed an area stating, "this is the future pool area site". Please remember the pool area must be 20 feet from the septic area and all its components.
4. Show the new calculations.
5. Show the septic tank detail.
6. Show new connection profile.

If you have any questions regarding these requirements please don't hesitate to send me an email.

Respectfully,

Dana Bernard

Dana Bernard, REHS/L.E.H.S.
Environmental Specialist II
Well and Septic Program

Enclosures (2)

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

November 9, 2022

TO: Michael Adcock

Sent via email to: zach@sillengineering.com

RE: Percolation Testing Results

Tax Map 29, Parcel, 356
11813 Chapel Woods Court
Clarksville, MD 21029

Mr. Adcock,

The following items must also be addressed regarding your percolation certification plan for the development of 11813 Chapel Woods Courts. The following items must be addressed and resubmitted.

- Show the wells and septic for the neighboring property at 11811 Chapel Woods Court and 11821 Chapel Woods Court.
- Symbols for passed percolation testing holes should not be the same for holes tested on different days. And they should not have numbers attached to them.
- The location for the future well site behind the house is not recommended. The center of the circle driveway will be an excellent site because it is > 40 feet from the house.
- A note must be added stating, the building permit will not be released until the percolation certification is approved and the OSDS plan is received, reviewed and approved.

The next step in this process is to resubmit a Percolation Certification Plan to confirm the design of the septic reserve area and well area. If you have any questions regarding this evaluation or requirements for the Percolation Certification Testing Plan, please contact me at the above address or by telephone at (410) 313-2775.

Respectfully,

Dana Bernard 

Dana Bernard, REHS/L.E.H.S.
Environmental Specialist II
Well and Septic Program

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

December 7, 2022

TO: Michael Adcock

Sent via email to: zach@sillengineering.com

RE: Percolation Testing Results

Tax Map 29, Parcel, 356
11813 Chapel Woods Court
Clarksville, MD 21029

Mr. Adcock,

The following items must also be addressed regarding your percolation certification plan for the development of 11813 Chapel Woods Courts.

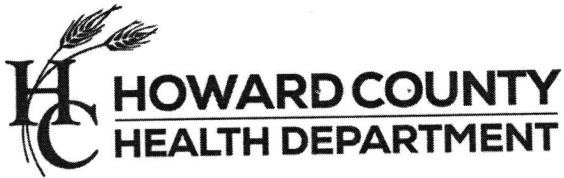
- Currently the swale in the back of the house is showing on GIS as a stream. For clarity, and for the Health Department to approve your percolation certification the following must occur:

1. Present our office with a certified environmental study stating the area behind the house is not a stream.

OR

2. Show the SDA meeting the 100' setback to the stream.

- The location for the future well site behind the house is not recommended. The center of the circle driveway will be an excellent site because it is > 40 feet from the house.
- If you plan to use the location you are requesting, you need to show how you will access this area in order to drill the well.
- In the general notes, lines 9 and 12, the language should describe the sewage area as the "sewage disposal area."
- The Engineer needs to show > 25% slope and provide a legend in the symbol.



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

- A note must be added stating, the building permit will not be released until the percolation certification is approved and the OSDS plan is received, reviewed and approved.

The next step in this process is to resubmit a Percolation Certification Plan to confirm the design of the septic reserve area and well area. If you have any questions regarding this evaluation or requirements for the Percolation Certification Testing Plan, please contact me at the above address or by telephone at (410) 313-2775.

Respectfully,

Dana Bernard

Dana Bernard, REHS/L.E.H.S.
Environmental Specialist II
Well and Septic Program

APPLICATION

PERCOLATION TESTING

A 43537

P _____

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

DISTRICT 5TH

DATE Sept. 20, 1988

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

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

PROPERTY OWNER Mellan Rea, Jr.

ADDRESS 1 1/2 miles on Miles, Route 1, Box 185 PHONE 820-7641

PROSPECTIVE BUYER UNKNOWN

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Rea property LOT NO. Lot 2

ROAD AND DESCRIPTION West side of Chapel Woods Ct @ End of
Cul-De-Sac.

TAX MAP 29 PARCEL # 36

SIZE OF LOT 3.27 Acres ± TYPE BLDG. S.F.D.
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

Dennis M. Bush

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 3-8-89 Pmc Satisfactory - Hold for Plat. Saw

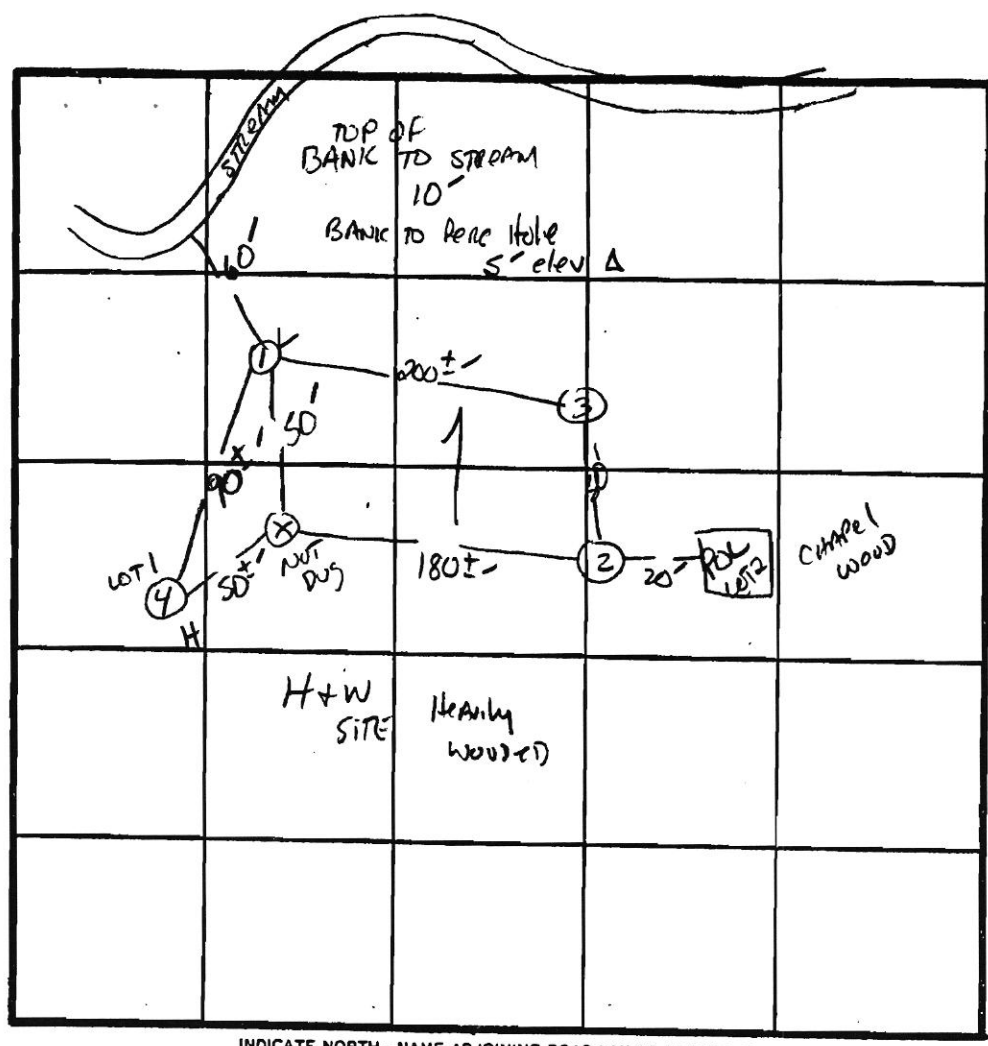
THIS IS NOT A PERMIT

① SOIL PROFILE

4" 4" Yellow Red Silty Clay loam <10% Frap

3.5' Yellow Br Silty loam micaceous 15-20% Frap

12"



̄ Perc 3 min
180 #/BR
Inlet 4.0
Bottom 8.0

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|--------|----------|-------|------------------|--------------------|----------------|------|------|
| | | | START | STOP | START | STOP | |
| 3/8/89 | LOT 4 S | 4.0 | 1:02 | 1:03 | 1:03 | 1:06 | 3min |
| | 1 V | 12.0 | Clay to 3.5-4.0' | | 5:17 to 12.0' | | |
| | 1 S | 4.0 | 1:16 | 1:17 | 1:17 | 1:19 | |
| 1 V | 12.5' | | AS profiled | | | | |
| | 2 S | 4.5' | 1:41 | 1:42 | 1:42 | 1:45 | 3min |
| | 2 V | 12.0' | | AS profiled | | | |
| | 3 S | 4.5' | 1:50 | 1:52 | 1:52 | 1:54 | 2min |
| | 3 V | 12.0' | | Similar to profile | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

REMARKS 1-3 little change in soil - center visual referred
Holes dug for stake/soa must be minimum 100' from stream

TYPE OF SOIL Chesic

TESTED BY S. Abel ALSO PRESENT Fyork & Co.

EH-12-1079

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

November 9, 2022

TO: Michael Adcock

Sent via email to: zach@sillengineering.com

RE: Percolation Testing Results
Tax Map 29, Parcel, 356
11813 Chapel Woods Court
Clarksville, MD 21029

Mr. Adcock,

The following items must also be addressed regarding your percolation certification plan for the development of 11813 Chapel Woods Courts. The following items must be addressed and resubmitted.

- Show the wells and septic for the neighboring property at 11811 Chapel Woods Court and 11821 Chapel Woods Court.
- Symbols for passed percolation testing holes should not be the same for holes tested on different days. And they should not have numbers attached to them.
- The location for the future well site behind the house is not recommended. The center of the circle driveway will be an excellent site because it is > 40 feet from the house.
- A note must be added stating, the building permit will not be released until the percolation certification is approved and the OSDS plan is received, reviewed and approved.

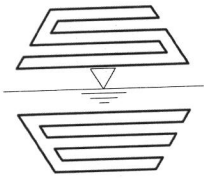
The next step in this process is to resubmit a Percolation Certification Plan to confirm the design of the septic reserve area and well area. If you have any questions regarding this evaluation or requirements for the Percolation Certification Testing Plan, please contact me at the above address or by telephone at (410) 313-2775.

Respectfully,

Dana Bernard

Dana Bernard, REHS/L.E.H.S.
Environmental Specialist II
Well and Septic Program

Letter of Transmittal



16005 Frederick Road, 2nd Floor
 Woodbine, MD 21797
 Website: www.sillengineering.com
 Civil Engineering for Land Development

Office: 443-325-5076
 Fax: 410-696-2022
 Email: info@sillengineering.com

SILL ENGINEERING GROUP, LLC

To: Mr. Zackary Silvast
 Howard County Health Department
 Bureau of Environmental Health
 8930 Stanford Boulevard
 Columbia, MD 21045

| | |
|------------|---|
| Date: | February 6, 2023 |
| Attention: | Zackary Silvast |
| Re: | 11813 Chapel Woods Court Chande Property Percolation Certification Plan |
| Project #: | 20-067 |

We are sending you

| | | |
|--|--|--------|
| <input checked="" type="checkbox"/> Attached | Under Separate Cover Via Mail the following: | |
| Letter | Originals | Other: |
| <input checked="" type="checkbox"/> Plans | Computations | |

| Quantity | Description | Quantity | Description |
|----------|---|----------|-------------|
| 3 | Percolation Certification Plan | | |
| 3 | Future well replacement waiver request. | | |
| 3 | Findings letters | | |
| 3 | Existing condition photographs | | |
| | | | |
| | | | |
| | | | |

These are transmitted as checked below

| | | |
|--|--------------|---------------------------|
| <input checked="" type="checkbox"/> For Approval | As Requested | Please Return After Using |
| <input checked="" type="checkbox"/> For Review | For Your Use | As Approved |

Comments:

Copy To:

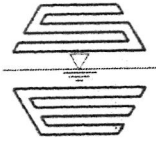
Signed:



Zachary Sill

Received by:

Date Received:



16005 Frederick Road, 2nd Floor
Woodbine, MD 21797
Website: www.sillengineering.com

Office: 443-325-5076
Fax: 410-696-2022
Email: info@sillengineering.com
Civil Engineering for Land Development

SILL ENGINEERING GROUP, LLC

January 30, 2023

Howard County Health Department
Bureau of Environmental Health
8390 Stanford Boulevard
Columbia, Maryland 21045

Attn: Mr. Jeff Williams

Re: Chande Property
11813 Chapel Woods Court
Waiver Request

Dear Mr. Williams:

On behalf of our client, Al Chande, the owner of the above referenced property, we are requesting a waiver to the requirement of having a second replacement well shown on the Percolation Certification Plan for this property.

This property is a 3.54-acre parcel in the RR-DEO zone and is currently vacant with an existing well drilled in the northeastern portion of the parcel; the existing well has a flow rate/yield of five (5) gallons per minute (GPM) per Howard County Health Department records. The property is what is commonly called a pipestem lot and is roughly triangular in shape with moderate to steep slopes throughout the central portion of the property following a drainage ditch that bisects the property from the southeast to the northwest. The reasonable buildable area of the property is limited to the portion of the property to the east of the drainage ditch and is approximately 30,000sf in size. This area must hold the sewage disposal area, existing well and replacement wells, the house, driveway, and stormwater management facilities. The adjacent property to the north, Lot 22 Chapel Woods, has their existing well along the common lot line with our property, and the adjacent property to the south has their sewage disposal area along the common lot line with our property.

These features and their setbacks make providing a second replacement well on the eastern half of the property a hardship. This, coupled with an existing well with a yield of 5 GPM make the necessity of a second replacement well unlikely. In the event it does become required, there is ample room on the property to the west of the drainage ditch to locate one.

For these reasons we are requesting a waiver to the requirement of providing a second replacement well location on the Percolation Certification Plan.

Thank you for your consideration of this waiver request. Should you have any questions or comments regarding this matter, please do not hesitate to contact this office.

Owners

Al Chande
Karen Chande

Al Chandé &
KAREN CHANDÉ

Sincerely,

SILL ENGINEERING GROUP, LLC

Paul M. Sill

Paul M. Sill, PE LEED AP

**Eco-Science
Professionals, Inc.**
Consulting Ecologists



P.O. Box 5006 Glen Arm, Maryland 21057

Telephone (410) 683-7840 Fax (410) 683-7817

April 22, 2022

Mr. Paul Sill
Sill Engineering Group, Inc.
16005 Frederick Road, 2nd Floor
Woodbine, Maryland 21797

RE: 11813 Chapel Woods Road

Dear Paul,

Eco-Science Professionals, Inc. has completed a fields review of the property. The purpose of this review was to determine the nature and extent of any wetland or stream resources on the property. The subject property is a 3.4 acre lot located at the referenced address in the Clarksville section of Howard County, Maryland. Field review of the project site was performed April 18, 2022.

The subject property is currently vacant except for the improvements made to create an unpaved access to the lot. This driveway follows a long panhandle from the end of Chapel Woods Road. The body of the property is forested with no current improvements. The forest community is dominated by tulip poplar and occurs on moderate to steep slopes.

A well defined drainage channel bisects the subject property. The channel enters the southeastern property boundary and drains westerly across the site. This channel is deeply incised with steep banks and evidence of erosion and scour patterns. A secondary channel extends off the primary channel. The confluence of the two channels is located in the northwest corner of the site. The second channel begins onsite and is only approximately 110 feet in length and showed no evidence of active erosion or scour patterns.

Our field review has determined that the channels onsite are not perennial or intermittent stream channels. There was no flow in the channel at the time of our field review and there is no evidence of hydric soil layers along the banks or in the bottom of the channel. Leaf litter in the bottom of the main channel has been impacted by surface water flows and this has created a weak scour pattern. Emergent vegetation is growing within the scour pattern, indicating that the flows through the channel are not substantial.

There was no ponding present on the subject property even though the area had received notable rain in the 36 hours preceding our visit. Some ponding was noted on the channel downslope of the property but this was limited and not continuous. No flow was noted in this area.

Based on our review of the site, we would define the main channel as an ephemeral channel that conveys only surface waters. Ephemeral channels are not regulated as streams by the County or the Maryland Department of the Environment.

Ephemeral channels may be regulated by the Corps of Engineers but there are no associated buffers. The primary function of ephemeral channels is the conveyance of stormwater. If impacts to the channel are required for development of the lot, and the COE chooses to regulate the activity, the regulatory requirement would be to retain a functional conveyance of surface through the site that maintains the natural flow path onto the downstream property in a controlled manner.

Attached please find photographs that show the site conditions within the channel.

Thank you for allowing Eco-Science Professionals, Inc. the opportunity to assist you in this matter. Please do not hesitate to contact me if you have any further questions.

Sincerely yours,


John Canoles

Enc.

cc: file