



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

Handwritten number: 1572132

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

APPLICATION
FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME CURRIER PROPERTY
PROPERTY ADDRESS 16750 A E MULLINIX ROAD WOODBINE 21797
TAX ACCOUNT # 04-344391 TAX MAP 7 GRID 22 PARCEL 506 LOT NO. 1 PROPOSED LOT SIZE (ACRES) 4.297
ZONING CATEGORY RC-DEO TIER IV

PROPERTY OWNER(S) THEODORE V. CURRIER & KRISTI L. WF CURRIER
DAYTIME PHONE (443)280-5985 CELL EMAIL SLANGVARDT@GMAIL.COM
MAILING ADDRESS 16750 A E MULLINIX ROAD WOODBINE, MARYLAND 21797

APPLICANT SILL ENGINEERING GROUP, LLC / ALEX CRESSMAN RELATIONSHIP TO OWNER: CONSULTANT
DAYTIME PHONE 443-325-5076 EXT. 103 CELL EMAIL ALEX@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:

- X SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: 2
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:

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

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- YES
X 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 of applicant

Handwritten date: 8/8/2022

SIGNATURE OF APPLICANT

DATE

Handwritten vertical text: WS-PT-22-026050

57
10/13/2023
EVIOL... results



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

APPLICATION
FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME CURRIER PROPERTY
PROPERTY ADDRESS 16750 A E MULLINIX ROAD WOODBINE 21797
STREET TOWN ZIP
TAX ACCOUNT # 04-344391 TAX MAP 7 GRID 22 PARCEL 506 LOT NO. 2 PROPOSED LOT SIZE (ACRES) 4.271
ZONING CATEGORY RC-DEO TIER IV

PROPERTY OWNER(S) THEODORE V. CURRIER & KRISTI L. WF CURRIER
DAYTIME PHONE (443)280-5985 CELL EMAIL SLANGVARDT@GMAIL.COM
MAILING ADDRESS 16750 A E MULLINIX ROAD WOODBINE, MARYLAND 21797
STREET CITY, STATE ZIP

APPLICANT SILL ENGINEERING GROUP, LLC / ALEX CRESSMAN RELATIONSHIP TO OWNER: CONSULTANT
DAYTIME PHONE 443-325-5076 EXT. 103 CELL EMAIL ALEX@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:

- X SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: 2
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:

- X 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
X NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

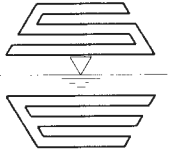
- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.
THE APPLICATION FEE IS NON-REFUNDABLE
THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE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



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 & Surveying for Land Development

SILL ENGINEERING GROUP, LLC

September 24, 2024

Mr. Jeff Williams, Deputy Director
Bureau of Environmental Health
Howard County Health Department
8930 Stanford Blvd,
Columbia, MD 21045

Attn: Mr. Robert Spencer Freemon

Re: Currier Property
16750 AE Mullinix Road
Percolation Certification Plan

Dear Mr. Freemon:

This letter is in response to the comments received from Health written on September 10, 2024.

1. Comment: Label the existing trenches and pump tank "To Remain".
 - a. The ex. septic tank will need to be upgraded to 1250gal or higher.
 - b. If he wants to keep existing septic tank, floor plans will need to be revised.Response: Updated as requested. Septic tank will be upgraded to 1500 gallons.
2. Comment: Purpose note should be separate from the general notes and placed near the signature block. The purpose note should also contain more information regarding the building permit (BP #, adding living space). FYI Health would like to see this on all PCs.
Response: Updated as requested.
3. Comment: Remove the abandoned septic tank from the plan. This was done in 1998 (no longer relevant) and we are not sure if the tank was abandoned or just moved based on our records.
Response: Updated as requested.
4. Comment: In the legend remove the number beside the passing and failing perc hole symbols. This is in effort to avoid confusion with weather or not perc hole 100 was passing.
Response: Updated as requested.
5. Comment: What are the owner's intentions with the old water lines/agricultural lines connected to the old well? Is he planning on connecting them to the new well? Are they to remain abandoned/disconnected?
 - a. If to remain disconnected/abandoned, have the water lines labeled as "Abandoned".
 - b. If to be reconnected later, add a note stating they will be reconnected to the new well and what the purpose of the well lines are. If known how he plans on reconnecting them have that shown on the plan.Response: The new well has already been connected to the main dwelling, where all the site's water lines originate from. Therefore, the water lines are still working as they were with the old well and will not be changed for this renovation.

HoCo Health Depart
SEP 24 2024
Environmental Health

6. Comment: Add note stating no plumbing in out buildings.
Response: Updated as requested. Please see General Note #12.
7. Comment: SDA should hold edges of 102, 104, 103 and 124. The proposed SDA encroaches too close to 126 which failed. If more area is desired, then SDA can be extended SDA 10-15ft towards northeast property line.
Response: Updated as requested. We had to extend the SDA by 5ft towards the northeast property line as suggested.

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

Sincerely,

SILL ENGINEERING GROUP, LLC



Alex Cressman

HoCo Health Depart

SEP 24 2024

Environmental Health

Freemon, Robert

From: Freemon, Robert
Sent: Thursday, April 20, 2023 4:59 PM
To: Alex Cressman
Cc: Williams, Jeffrey; Silvast, Zackary; Stephen Langvardt
Subject: RE: 16750 A E Mullinix Rd. Perc
Attachments: Perc Results.pdf

Hi Alex,

Attached are the results from perc testing. Unfortunately we were not able to get an area for lot 2. Test holes 127 & 128 did not pass and holes northeast of them have issues with either high ground water or rock. We were able to get an area for the existing lot. Additionally we were able to evaluate the trenches & install cleanouts.

If the owner wishes to propose a living space addition in the future (while keeping 3 bedrooms) on the existing house he will need to solidify the SDA on a perc cert. Once the SDA is approved he should be good to go since he will have then certified an SDA and had the system evaluated. If he plans on adding bedrooms he will need to upgrade his septic system. Let me know if you have any questions.

Well and Septic Program

Robert "Spencer" Freemon

Phone: 410-313-6357

Email: rfreemon@howardcountymd.gov

Website: <https://www.howardcountymd.gov/health/well-septic-program>

From: Alex Cressman <Alex@sillengineering.com>
Sent: Tuesday, April 18, 2023 4:35 PM
To: Freemon, Robert <rfreemon@howardcountymd.gov>
Cc: Williams, Jeffrey <jewilliams@howardcountymd.gov>; Silvast, Zackary <zsilvast@howardcountymd.gov>; Stephen Langvardt <slangvardt@gmail.com>
Subject: RE: 16750 A E Mullinix Rd. Perc

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

Great, thanks Spencer!

Alex Cressman

Civil Drafter

Erosion & Sediment Control No. RPC023441



SILL ENGINEERING GROUP, LLC
SEG LAND SURVEYING, LLC

16005 Frederick Road, 2nd Floor
Woodbine, MD 21797
Office: 443-325-5076 ext. 103 | Fax: 410-696-2022
Website: www.sillengineering.com

From: Freemon, Robert <rfreemon@howardcountymd.gov>
Sent: Tuesday, April 18, 2023 4:22 PM
To: Alex Cressman <Alex@sillengineering.com>

Freemon, Robert

From: Freemon, Robert
Sent: Wednesday, February 15, 2023 2:01 PM
To: Alex Cressman; slangvardt@gmail.com
Cc: Silvast, Zackary; Williams, Jeffrey
Subject: RE: 16750 A E Mullinix Rd. Perc
Attachments: 16750 A. E. Mullinix Rd. .pdf; IMG_8985.jpg; IMG_8984.jpg; IMG_8986.jpg; IMG_8983.jpg

Hi,

Attached are the perc results from both days. We were not able to identify a sewage disposal area for lot 2 or the parent lot due to rocks and ground water. If the owner wishes to move forward with the subdivision Health will need a new test plan showing revised sewage disposal areas. Depending on where the SDAs are proposed wetseason testing may need to occur.

The owner informed me if the initial area and alternative area for lot 2 don't work out then do not to test 119 and 122. I asked the owner about any possible future additions to the property if not going through with subdivision. He said he did have an idea to increase living space for the existing house. I informed him he would likely need a Percolation Certification Plan establishing an SDA on the existing lot before he would get an approval from Health on a building permit. With that in mind we proceeded to test the existing lot's proposed SDA. We were able to get 4 passing test locations however, we could not reach test hole 101 due to a rod driven horse ring in the way. So we decided to test near it (101A). Unfortunately this hole did not pass. If the owner wishes to do a living space addition in the future he will need to test around hole 101/101A to find a passing 5th location. I informed the owner of the results and mentioned if a PC is printed with the current results he could submit it to Health to have on file. This way when he does decide to go through with the future addition he will have a PC plan that could be used as a test plan. Let me know if you have any questions.



Howard County Health Department
8930 Stanford Blvd. Columbia, MD 21045
Bureau of Environmental Health

Well and Septic Program
Robert "Spencer" Freemon
Phone: 410-313-6357

Email: rfreemon@howardcountymd.gov

Website: <https://www.howardcountymd.gov/health/well-septic-program>

From: Alex Cressman <Alex@sillengineering.com>
Sent: Tuesday, February 14, 2023 10:27 AM
To: Freemon, Robert <rfreemon@howardcountymd.gov>; slangvardt@gmail.com
Cc: Silvast, Zackary <zsilvast@howardcountymd.gov>; Williams, Jeffrey <jewilliams@howardcountymd.gov>
Subject: RE: 16750 A E Mullinix Rd. Perc

Alex Cressman

From: Freemon, Robert <rfeemon@howardcountymd.gov>
Sent: Tuesday, July 30, 2024 4:25 PM
To: Alex Cressman
Cc: Williams, Jeffrey; Silvast, Zackary
Subject: RE: 16750 A E Mullinix Rd. Perc

Hi Alex,
There should not be any issues with a PC being submitted showing the existing lot, with the proposed SDA encompassing the existing system. I recall speaking with the property owner to let him know even though lot 2 did not work out he could still move forward with the PC to solidify the SDA for the existing lot if he had future building permit ideas. It looks like we received the Perc App around 8/8/2022. Perc apps are good for two years. Since this should not involve additional perc testing and should be a pretty quick PC review/signature we will just charge the \$46 revision fee.

Well and Septic Program

Robert "Spencer" Freemon
Phone: 410-313-6357
Email: rfeemon@howardcountymd.gov
Website: <https://www.howardcountymd.gov/health/well-septic-program>

From: Alex Cressman <Alex@sillengineering.com>
Sent: Tuesday, July 23, 2024 4:25 PM
To: Freemon, Robert <rfeemon@howardcountymd.gov>
Cc: Williams, Jeffrey <jewilliams@howardcountymd.gov>; Silvast, Zackary <zsilvast@howardcountymd.gov>
Subject: RE: 16750 A E Mullinix Rd. Perc

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

Hello Spencer,

Hope you are doing well. We are picking up this project again after the owners decided to simply remodel the existing house so everyone under one roof. This would remove the need for Lot 2. Before we start updating the Perc App Plan, we wanted to check in and see if you had any issues with us submitting a new plan that only has one lot. The plan I have attached is our last submitted plan, not our current design. I also attached the last set of perc testing results for a refresher.

Also, please let us know if we can anticipate a new review fee since we are changing the plan and there has been a fair amount of time passed since the perc testing.

Much appreciated,

Alex Cressman

Civil Drafter

Erosion & Sediment Control No. RPC023441



SILL ENGINEERING GROUP, LLC
SEG LAND SURVEYING, LLC
16005 Frederick Road, 2nd Floor
Woodbine, MD 21797
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Website: www.sillengineering.com

AUG 16 2024
Environmental Health



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

MEMORANDUM

DATE: 5/16/2023

TO: Sill Engineering Group
11130 Dovedale Court, Suite 200
Marriottsville, Maryland 21104

FROM: Robert Freemon *RF*
Well & Septic Program

RE: **Perc Results**
Currier Property Lots 1 & 2
16750 A. E. Mullinix Rd.
Woodbine, MD 21797

Percolation tests were conducted on April 13th, 2023 at 16750 A. E. Mullinix Rd. (Tax Map 0007, Grid 0022, Parcel 0506). Tests and profile descriptions were documented for test locations 124, 125, 126, 127 & 128. Out of 5 test locations 2 passed (124 & 125).

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 conditions. The areas must be at least 10,000sqft and large enough to accommodate 3 systems (initial/existing and two replacements). If 3 systems cannot fit the Health Dept. may consider allowing 2 systems (initial and 1 replacement) which will require Best Available Technology (BAT). The next step in the process is to have an engineer/consultant submit a finalized percolation certification plan to the Health Dept. for review and signature.

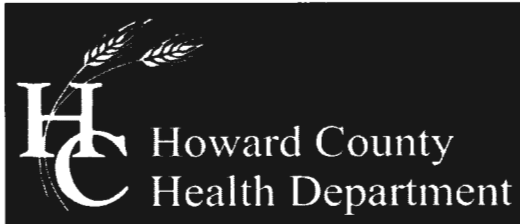
Should you have any questions regarding this evaluation, please contact me. I may be reached at (410) 313-6357 or by email rfreemon@howardcountymd.gov

Respectfully,

A handwritten signature in black ink, appearing to read 'Robert Freemon', is located below the 'Respectfully,' text.

Robert Freemon
Bureau of Environmental Health
Well & Septic Program

Attachment: Percolation Field Notes



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

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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

DATE: ~~2/15/2023~~ 4/20/2023 RIF

TO: Sill Engineering Group
16005 Frederick Rd. 2nd Floor
Woodbine, MD 21797

FROM: Robert Freemon RIF
Well & Septic Program

RE: Currier Property Lots 1 & 2
16750 A. E. Mullinix Rd.
Woodbine, MD 21797
Perc Results

Percolation tests were conducted at 16750 A. E. Mullinix Rd. (Tax Map 7, Parcel 506) on 9/7/2022 & 2/9/2023. Test and profile descriptions were documented for locations 110, 111, 112, 113, 114, 113A, 117, 118, 115, 104, 103, 102, 101A, 100, 123, and 121. Out of 16 test locations, 8 passed (114, 113A, 117, 118, 104, 103, 102, and 100).

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 area are represented by test locations having satisfactory soil condition. The sewage disposal area must be at least 10,000sqft and must be able to accommodate 3 systems (initial and two replacements).

Should you have any questions regarding this evaluation, please contact me. I may be reached at (410) 313-6357 or by email rfreemon@howardcountymd.gov

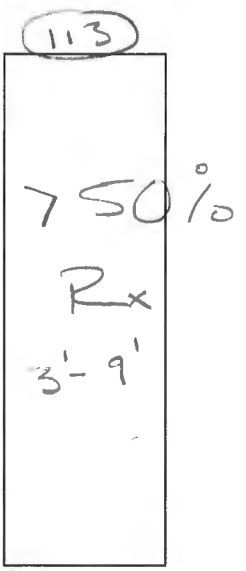
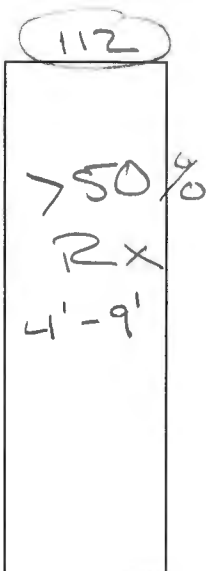
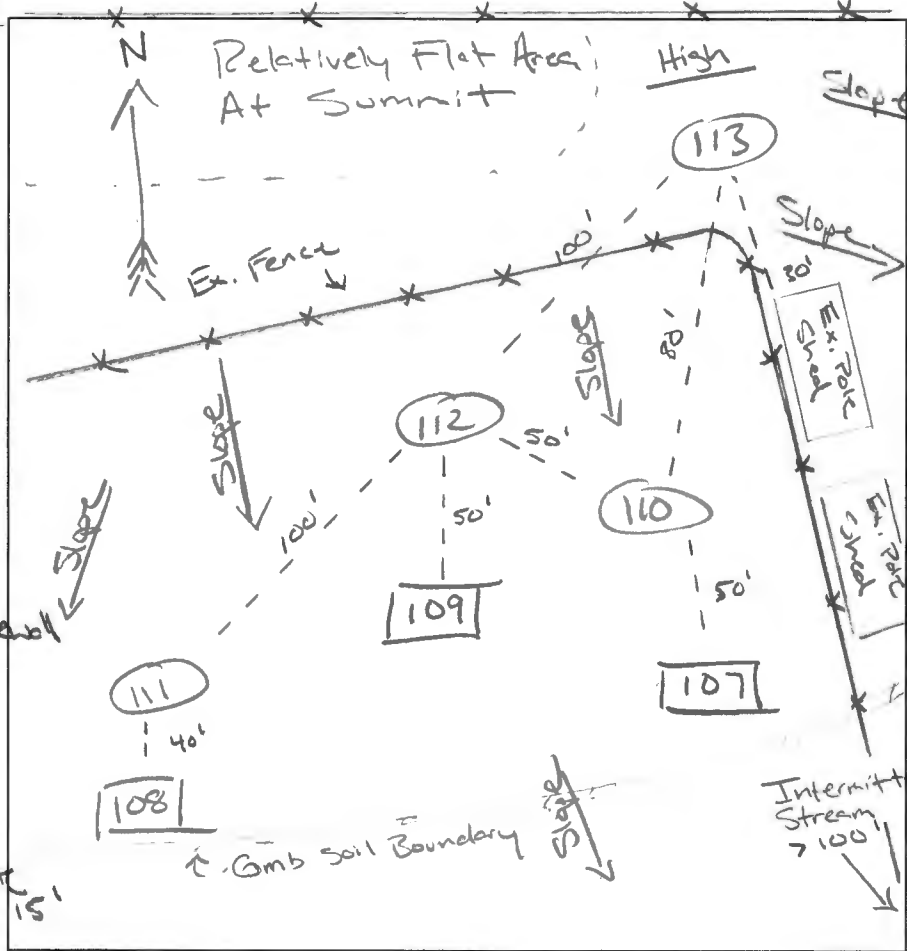
Respectfully,

A handwritten signature in black ink, appearing to read 'Robert Freemon', written in a cursive style.

Robert Freemon
Bureau of Environmental Health
Well & Septic Program

Attachment: Percolation Field Notes

AP A572132



- 110
YB, Loam
R, YR, CL,
SBR, dense
sidewall,
20% Gravel
- 3.5'
YR, Platy,
CL, 40%
gravel +
20% cobble
- 4.5'
YR, Platy,
SCL, 40%
Gravel + 20%
Cobble, dense
sidewall
- 5'
YB, Platy,
gravelly sandy
loam w/
clay pockets,
gray clay
forming
40%-50% rock
between 10'-15'
- 15'
- 111
YB, Platy,
Loam
- 1'
YR, Platy,
CL, gravel
30%-40%,
mfr, dense
sidewall
- 4'
YB, Platy,
SCL/gravelly
sandy loam
mix, dense
sidewall,
30% gravel
w/ some
cobble
- 12'

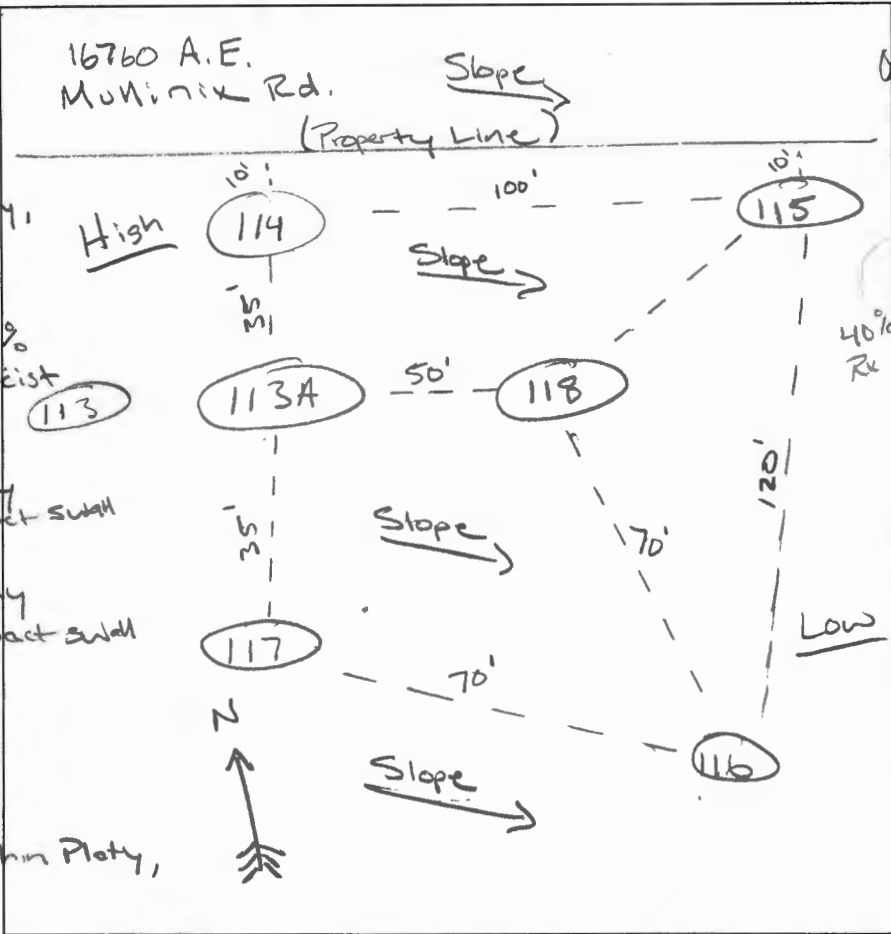
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9/7/22	110	6/15	9:53	9:54	9:56	2	-
	111	6/12	10:22	10:25	10:29	4	-
	112	8'	OBSERVATION				F
	113	9'	OBSERVATION				F

□ = Proposed Locations
○ = Tested Locations

REMARKS Due to wet season soil boundary, tested locations 40'-50' north of
 SANITARIAN RSF + Zach BACKHOE _____ OTHERS Fogels Original locations
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

16750 A.E. Mullinix Rd Lot 21 1 of 1

AP A572132



114
 DYB, YB, FSBK, Loom
 YR, FSBK/Platy, CL
 YR, Platy, SCL, 20-30% Gravelly Schiest
 LYB, SL, Platy, 30-40% Gravelly Schiest, compact suball
 LS, Platy, 30-40% Gravelly Schiest, compact suball

113A
 DYB, YB, FSBK, Loom
 YR, FSBK/Thin Platy, CL
 YR, Platy, SCL, 20-30% Gravelly Schiest, compact suball
 LYB, Platy, SL, 20-30% Gravelly Schiest, compact suball
 L.S @ 5'

117
 S
 A
 M
 F
 I
 A
 S
114

118
 DYB, FSBK/Platy, Loom
 R, YR, FSBK/Thin Platy, CL, Cobble
 Gravelly 40% Schiest, SS on plates
 R, YR, Thin Platy, MFR, SCL, compact suball
 DYB, Thin Platy, MFI, LS-SL, compact suball, Brittle, some rock pockets
115
 YB, FSBK/Thin Platy, Loom
 YB, FSBK/Thin Platy, SCL, WS, Moist, Thick Glossy
 YR, Platy, MFI, SCL
 L.SL
 Cave In

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/9/2023	114	5 / 12	9:18	9:19	9:20	FAST	F
	114	RP / 12	9:29	9:31	9:34	3	P
	113A	5 / 12	9:45	9:59	10:18	19	P
	117	5 / 12	10:14	10:16	10:20	4	P
	118	5.5 / 12	10:26	10:28	10:30	2	P
	115	OBSERVATION					-
	116	NOT DUG					-

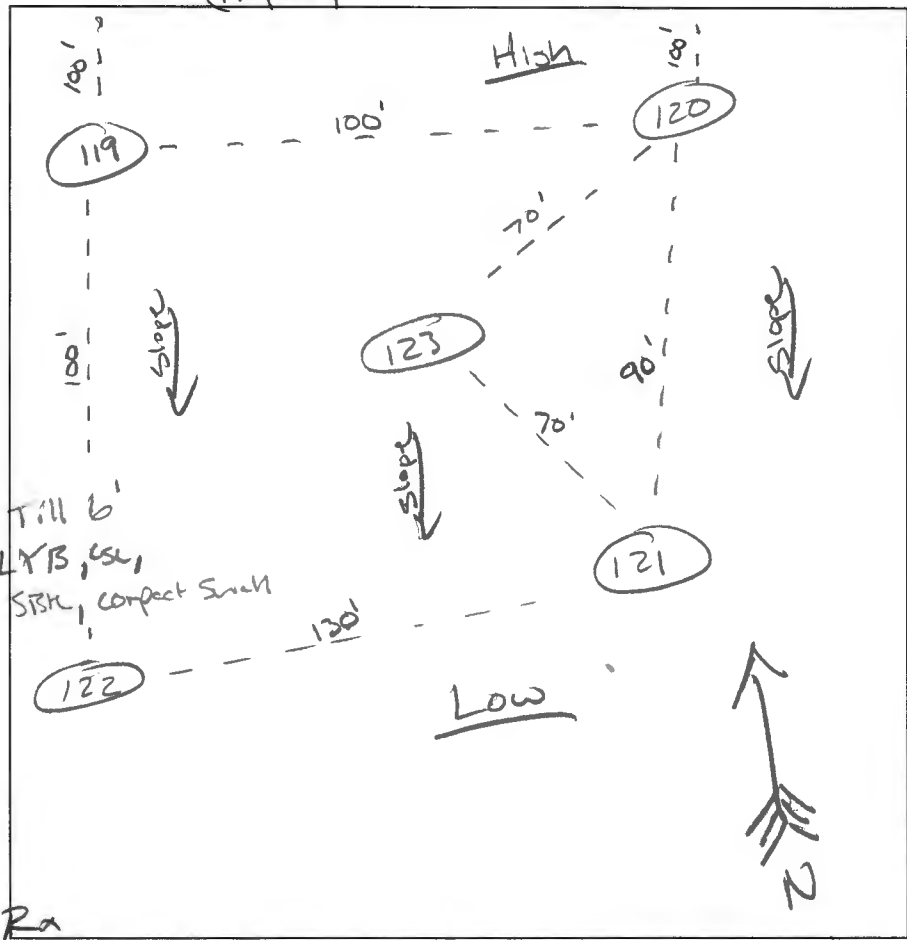
REMARKS Hold for wetseason, 115 had water, 116 not dug
 SANITARIAN RSF BACKHOE Fogels OTHERS
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

16750 A.E. Mullinix Rd, Lot 2

AP A572132

(Property Line 16760 A.E. Mullinix Rd.)

121
S
A
M
F
A
S
123



[Empty box]

[Empty box]

[Empty box]

123
DYB, SBK, Loom
YR, SBK, MFR, CL, Gravel 30% Ra
YR, FSBK, gravelly coarse SEL, MVFI
46-50% Gravelly Shist

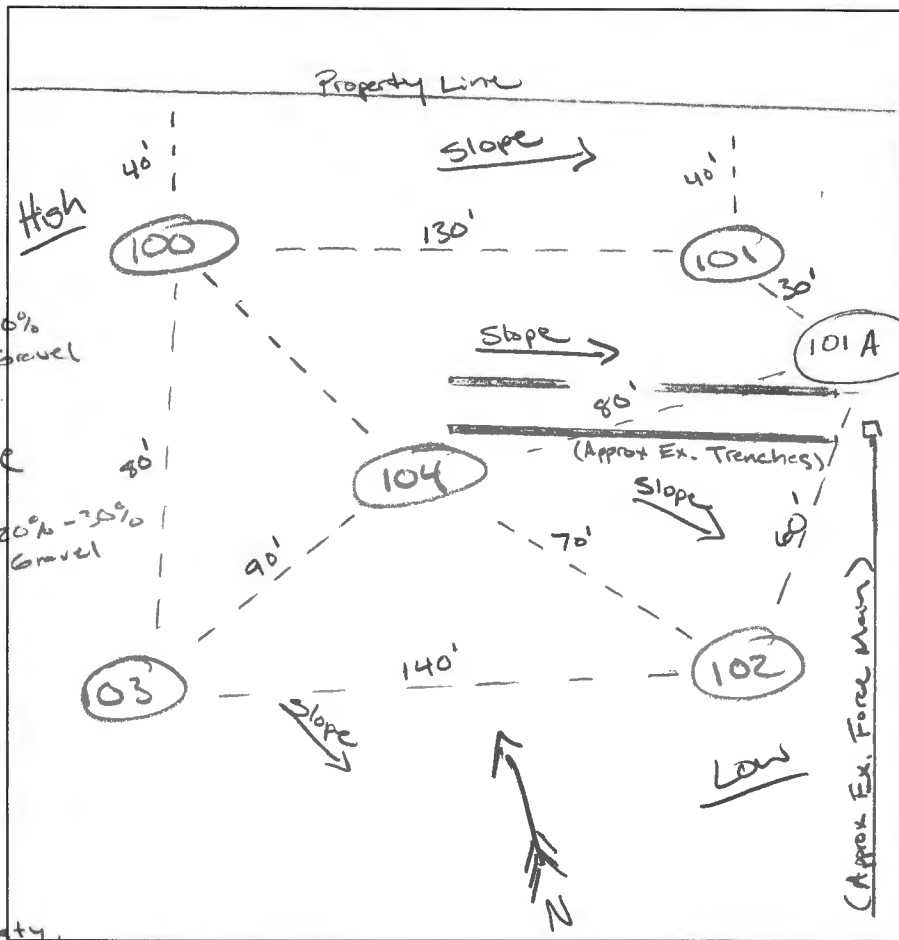
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H	
2/19/20	123	6 / 10.5	12:02	12:02 ⁴⁵	12:03	FAST	F	
	123	RP / 10.5	12:04 ²⁰	12:05 ³⁰	12:06 ³⁰	FAST	F	
	121	OBSERVATION						F
	120	NOT DUG						-
	119	NOT DUG						-
	122	NOT DUG						-

REMARKS Owner informed us not to test 119 + 122 if other 3 did not pass

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

16750 A.E. Mullinix Rd, Lot 2

AP A572132



104
 0.5' YB, Loom
 R, SBK, MFI, WS, CL
 4' R, SBK, MFI, coarse SCL, Gravelly
 5' R, SBK, coarse SL, MFR, Gravelly
 12' ↓

103
 0.5' YB, Loom
 YR, FSBK, WS, MVFR, CL
 2' YR, FSBK / Platy, WS, MVFR, Gravelly SCL
 5' SB, Thin Platy, MFR, SL
 12' ↓

101A
 3' >50% Rock
 10' ↓

102
 JAMES
 104
 100
 DB, Loom
 SB, YR, Thin Platy, CL
 3' YR, Platy, SCL, MFR
 4.5' BY, YR, Platy, MFR, SL
 12' ↓

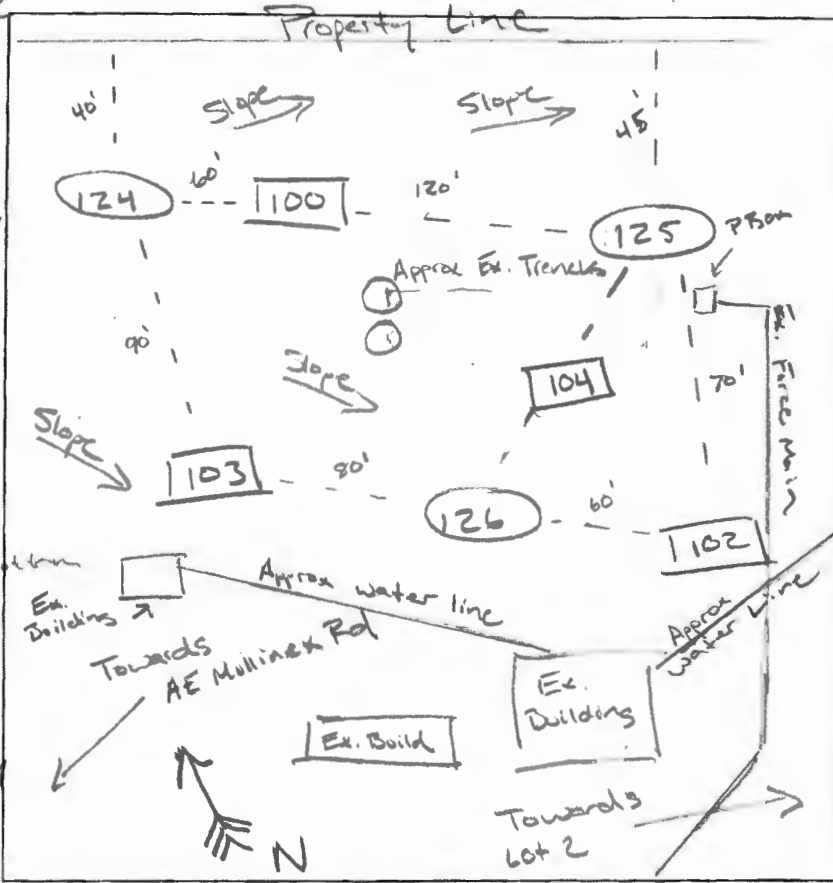
101
 Not dug due to being inside horse ring. Owner said he could move it but would take some time to do so.

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/9/2025	104	7/12	1:48 ⁰⁰	1:50 ¹⁵	1:51 ²⁰	FAST	F
	104	27/12	1:54 ⁰⁰	1:55 ⁴⁰	1:57 ⁴⁰	2	P
	103	5/12	1:59	2:01	2:05	4	P
	102	6/12	2:17	2:17 ¹⁰	2:19 ¹⁰	2	P
	101A	10	OBSERVATION				F
	100	5/12	2:46	2:55	3:01	7	P
	101	NOT DUG					-

REMARKS Further testing required around 101/101A to establish SDA
 SANITARIAN RSF BACKHOE Fogels OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

16750 A.E. Mullineux Rd

APR A572132



(127)
Some AS

(126)
30-40% Rocks Gravel
Platy Compacted Soporitic Material

(128)
>50% Rock @ 4'

0.5' (126)
DB, Loam
YR, SS, Thin Platy/FSPK, MVFR, SCL w/gravel 20-30%

4.5' Compacted SL-LS w/clay pockets BIKR @ EB

1.3' (125)
PB, Loam
YR, FSBK, MVFR, HU LOAM

2.5' YR, YB, Thin Platy, MVFR, SL to LS @ 4' gravel 130% Magensic rock @ 8' (BIKRM Increased w/depth)

12' (124)
DB, Loam
SB, Thin Platy/FSPK, MVFR, SCL w/gravel 20%

4' YR, YB, Thin Platy, MVFR, LS w/gravel 20% To sand w/gravel 30%

12' SPP Material

DATE	TEST #	DEPTH	START	BREAK 1' DROP	STOP 2' DROP	TIME OF 2nd INCH	P/F/H
4/13/2023	126	4 / 13	10:51	11:15	SLOW	W	F
	125	5 / 12	9:53	10:00	10:09	9	P
	124	5 / 12	10:30	10:31	10:35	4	P
	127	7 / 14	11:42 ₃₀	11:45 ₃₀	11:43 ₄₆	FAST	F
	127	7 / RP	11:45 ₃₀	11:46 ₃₀	11:47 ₃₀	FAST	F

OSDS

Ends of trench uncovered. Stone appears to be in good condition. Cleanouts installed at ends of trenches. OSDS good for 3 Bedrooms.

REMARKS: [Symbol] = Percs from 2/9/2023, SDA relatively flat area

SANITARIAN RSF BACKHOE Fogles OTHERS _____

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

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

(127) + (128) proposed on Lot 2, O = Trench Observation / cleanout installed

16750 A. E. Mullinix Rd.



Bureau of Environmental Health

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

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Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

MEMORANDUM

TO: Sill Engineering Group
16005 Frederick Road, 2nd Floor
Woodbine, Maryland 21797

FROM: Robert Freemon
Well & Septic Program

RE: Currier Property
16750 A E Mullinix Rd
Woodbine, MD 21797

DATE: 9/10/2024

Finalize PC
then BP Approval
w/ condition
ST upgrade prior
to BP final approval.
(Left 9/16)

After review of the percolation certification test plan here are my comments.

- 1. Label the existing trenches and pump tank "To Remain".
a. The ex. septic tank will need to be upgraded to 1250gal or higher.
b. If he wants to keep existing septic tank, floor plans will need to be revised.
2. Purpose note should be separate from the general notes and placed near the signature block.
3. Remove the abandoned septic tank from the plan.
4. In the legend remove the number beside the passing and failing perc hole symbols.
5. What are the owner's intentions with the old water lines/agricultural lines connected to the old well?
6. Add note stating no plumbing in out buildings.
7. SDA should hold edges of 102, 104, 103 and 124.

In Response Letter ->

- Purpose note should be in its own box
and be more specific with addition,
living space only? any additional bedrooms?
House to remain... X number of BDRs.
- Existing septic to remain? label properly
 - Any upgrade to septic tank required?
 - I would just remove old well and
old tank abandonments, not really needed.
Too confusing.
 - In legend has perc hole 100 labeled
as passing and failing. should change.
 - SDA should hold edges off 102, 104,
103 and 124.
 - should propose 10-15' extension of
SDA towards property line stopping
at contour 572 to pick up area lost.
 - Add note of no plumbing in out buildings, why
do they have water lines?

Due Date 8/30/2024

Date HO Signed Off _____

Date Sent to DPZ _____

PLAT TRANSMITTAL SHEET

TO: Mike Davis, Bureau Director

FROM: Spencer Freeman

DATE: 8/30/2024

RE: PLAT# PC

PROJECT NAME 16750 AE Mullinix Rd

OF BUILDABLE LOTS 1

OF NON-BUILDABLE LOTS 0

Please find 3 paper copy(s) _____ mylar(s) for your:

- Review
- Review and Signature
- Review to Well and Septic Program
- Pending Building Permit

~~*~~ Please return file to Spencer once finished for BP review.