



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 Ashanti and Sylvia Rizvi Property
PROPERTY ADDRESS 14945 Old Frederick Rd Woodbine 21797
TAX ACCOUNT # TAX MAP 0008 GRID 0009 PARCEL 0073 LOT NO. 5 PROPOSED LOT SIZE (ACRES) 1.5
ZONING CATEGORY TIER

PROPERTY OWNER(S) Ashanti and Sylvia Rizvi
DAYTIME PHONE 240-4118-2271 CELL EMAIL
MAILING ADDRESS 12614 Fawn Run Court Ellicott City, MD 21042

APPLICANT RTI Technologies, Inc RELATIONSHIP TO OWNER: Designated
DAYTIME PHONE 732-538-3609 CELL EMAIL
MAILING ADDRESS 436 Ridgebrook Road Sparks, MD 21152

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

- PROPERTY:
SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: 5
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: Ashanti Rizvi
Date: 9/23/2022

Silvast, Zackary

From: Silvast, Zackary
Sent: Tuesday, June 28, 2022 6:40 PM
To: Jacob Leimbach
Cc: Frank White
Subject: RE: Perc information
Attachments: 14945 old frederick road (results memo).pdf; 14945 old frederick perc results and specs.pdf

Jacob,

Please see attached info for 14945 Old Frederick Road and relay the memo to the property owner on my behalf. Thank you.

- Zack S.

From: Jacob Leimbach <Jacob.Leimbach@kci.com>
Sent: Monday, June 27, 2022 9:00 AM
To: Silvast, Zackary <zsilvast@howardcountymd.gov>
Subject: RE: Perc information

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

Good Morning Zack,

I have been working on the Perc Cert Plan for 14954 Old Frederick Rd and just wondering if you are going to send over information for me to put on the plan?
Let me know if you need anything else from me.

Thanks,

Jacob Leimbach, EIT.

Engineer-in-Training



KCI TECHNOLOGIES INC.
936 Ridgebrook Rd, Sparks, Maryland, 21152
Jacob.Leimbach@kci.com
o: 410-316-7800 | m: 443-547-0790
www.kci.com

RISE TO THE CHALLENGE

From: Silvast, Zackary <zsilvast@howardcountymd.gov>
Sent: Wednesday, June 15, 2022 4:42 PM

To: Jacob Leimbach <Jacob.Leimbach@kci.com>

Subject: RE: Perc information

Hey thanks for sending me this. Very helpful. Cheers man.

- Zack S.

From: Jacob Leimbach <Jacob.Leimbach@kci.com>

Sent: Wednesday, June 15, 2022 3:19 PM

To: Silvast, Zackary <zsilvast@howardcountymd.gov>

Subject: Perc information

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

Zach,

Attached is the scan from the perc testing today. Notes for distances are at the top of the sheet.

If you have any questions, please feel free to reach out.

Thanks,

Jacob Leimbach, EIT.

Engineer-in-Training



KCI TECHNOLOGIES INC.

936 Ridgebrook Rd, Sparks, Maryland, 21152

Jacob.Leimbach@kci.com

o: 410-316-7800 | m: 443-547-0790

www.kci.com

RISE TO THE CHALLENGE

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

June 28th, 2022

TO: Askiri & Syma Rizvi, Applicants
CC: Jacob Leimbach, KCI inc.
RE: 14945 Old Frederick Rd (Percolation test results and data)

To Whom It May Concern,

On June 15th, 2022, percolation tests were conducted as scheduled at 14945 Old Frederick Road. The proposed sewage disposal area (SDA) was thoroughly tested and evaluated this day. The test site was dominated by one soil type, Glenelg loam (GgB, GgA) Four perc holes were staked for testing A-D and two additional holes were needed E-F.

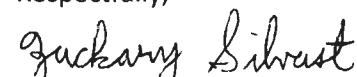
Locations C, B, D, A were dug in that order at their respective staked locations. Holes C, B, and A were designated as a PASS. Hole D had too much gravel/shale and was designated as a FAILURE. With this new information, holes E & F were chosen by the health department and tested resulting in two unstaked perc holes. I attempted to expand what I considered to be the usable area; I configured a trapezoid-shaped sewage disposal area scheme so that a 10,000 sf SDA would fit easily on this property. So, I moved the SDA towards the future house site but well within the property lines. Hole F should only be used if additional area is required to accommodate a 10,000 sf SDA. A hard pan was discovered at 9', so the window of install would be very tight and not in sync with Hole E.

All evaluated locations must be field-located and illustrated on the Percolation Certification Plan. There is no guarantee that a complete 10,000 sf SDA can be created due to Hole D's failure.

Locations of percolation tests that 'PASS' are used to define the soils that are suitable for inclusion in an SDA proposed on the Percolation Certification Plan. The results and suitable areas for wastewater discharge are certified by the Approving Authority's signature of the Percolation Certification Plan. After the Percolation Certification Plan is signed by the Bureau of Environmental Health Director, the Health Department's Environmental Health Specialists may consider review and approval of the subdivision and permit proposals such as well or septic system permits and building permits.

If you have questions related to this report, you may reply to me via email, zsilvast@howardcountymd.gov, or call my desk, 410-313-1777.

Respectfully,



Zackary Silvast, REHS/RS, L.E.H.S.

Plan Review Supervisor

Well and Septic Program (*Howard County HD*)

Enclosures: Percolation Test Results memo, Field Worksheet, & specs

14945 Old Frederick Rd

AVP

Perc "A"

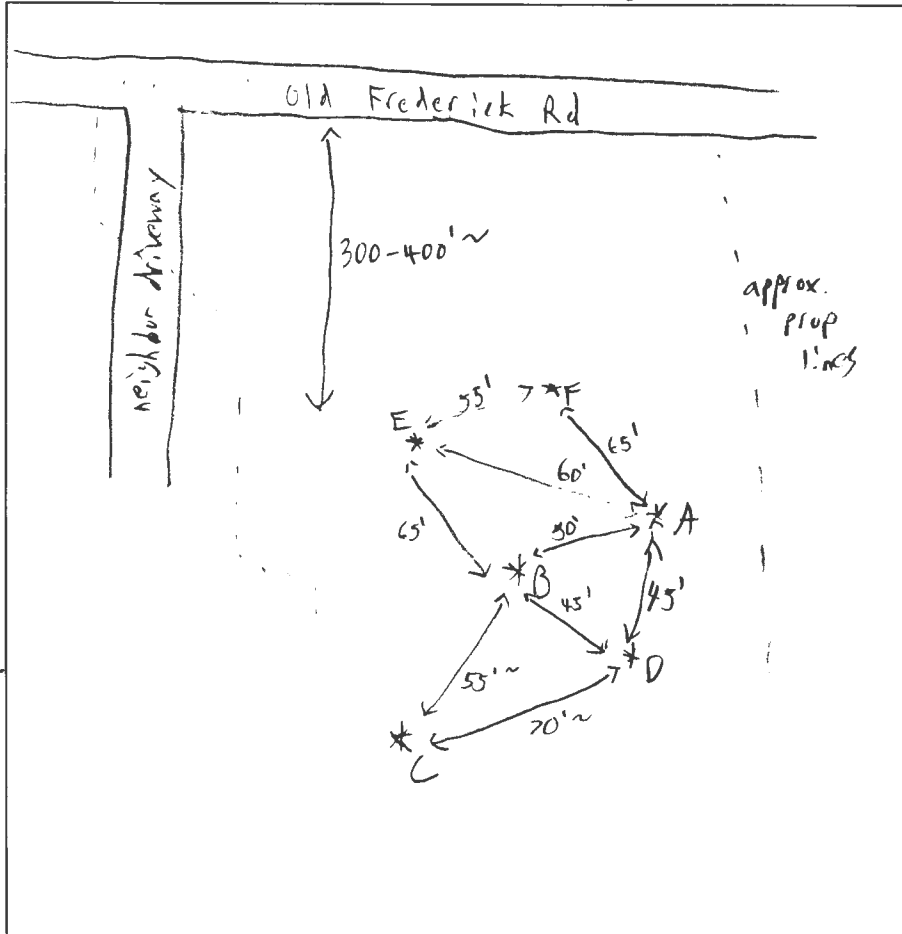
0-4" top soil / Br. L
 4"-9" Brown / Tan
 SCL w/ roots / shale
 9"-3' Tan / Red SCL
 (mainly
 tight CL)
 3'-4' Tan / Red SCL
 (looser)
 4'-9' Tan / Pink SL
 w/ silt (very fine)
 9'-10' >40% shale
 w/ SCL
 (tight / hard pan)

Perc "B"

0-4" top soil
 4"-9" Br. / Red SL
 (tight, sticky)
 9"-2 1/2' Red / Tan CL
 (blocky, tight)
 2 1/2'-4' white / Pink
 CL w/ silt / gravel
 (blocky / platy)
 4 1/2'-6' Brown / Tan SL
 w/ some silt
 6'-8 1/2' Tan / Pink SL
 w/ silt (loose)
 8 1/2'-11 1/2' white / Tan
 SL w/ gravel
 1 1/2' hard pan >40%
 shale
 bottomed out

Perc "C"

0-4" top soil / Br.
 Loam
 4"-10" Br. / Tan SL
 (loose)
 10"-4' Red / Br. CL
 (tight / angular)
 4'-5' Br. / Red SCL
 (tight) w/ silt
 5'-10' Br. / Red SL
 w/ gravel
 & silt (little)



Perc "D"

Fail
 >40% shale
 @ 6'
 (nothing testable)

Perc "E"

0-4" top soil
 4"-1' Br. / Tan SCL w/ roots
 1'-2 1/2' Br. / Tan CL
 (tight)
 2 1/2'-4' Red / Tan CL
 (angular)
 4'-5' Tan / Red SCL
 too tight
 5'-8' Red / Pink Tan SL
 w/ silt (loose)
 8'-12' tan SL
 (looser)
 12' >40% shale
 bottomed out

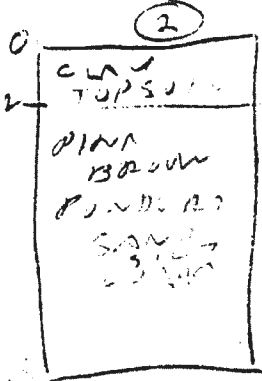
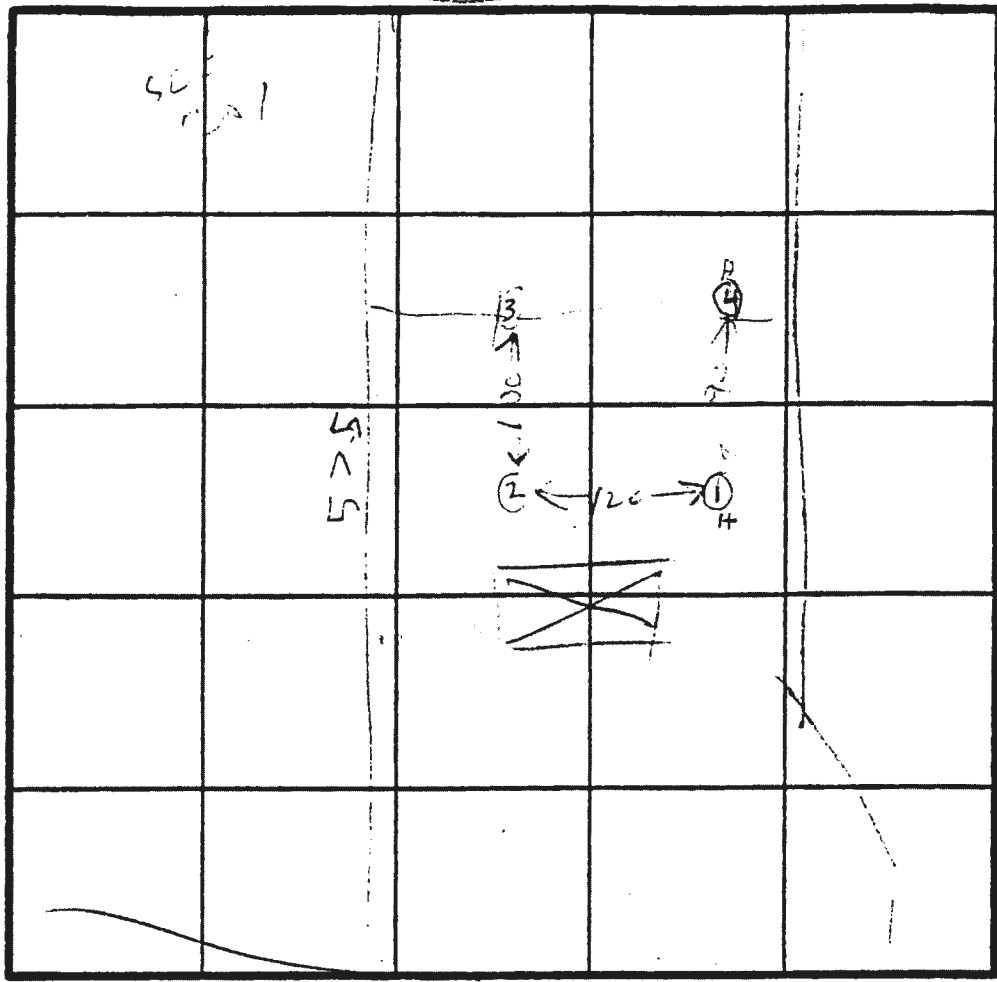
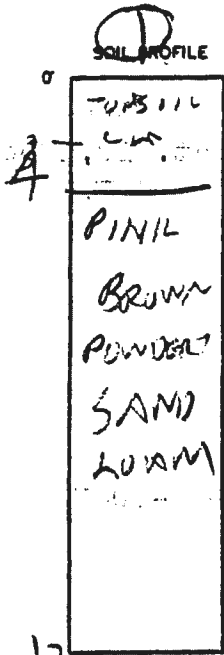
Perc "F"

0-4" top soil
 4"-1' Tan / Br. SL
 w/ roots
 1'-3' Br. / Red SCL
 tight, mainly CL
 3'-4' Red / Br. CL
 4'-7' Red / Pink / Tan SL
 w/ silt
 7'-9' Br. / Red SL
 w/ 30% shale
 9' hard pan

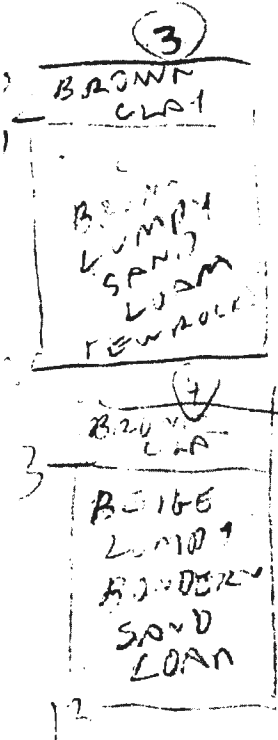
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
6/15/22	C	6'	9:44am	9:52am	10:03am	11mp.i	P
6/15/22	B	5.5'	10:12am	10:17am	10:28am	11mp.i	P
6/15/22	D	FAIL	(UNSAT soils)				F
6/15/22	A	5'	10:53am	10:56am	11:01am	5mp.i	P
6/15/22	E	6'	11:24am	11:34am	11:44am	15mp.i	P
6/15/22	F	5'	12:07pm	12:18pm	12:34pm	16mp.i	P

REMARKS: Relatively consistent, had to adjust due to "D" failure
 SANITARIAN: Zack S. BACKHOE: whiteford OTHERS: Jacob Leimback (KCI)
 TEST HOLES USED IN SDA: E, C, B, A (F -> outlier) AVG. PERC TIME: _____ SQ. FT/BR: _____
 TRENCH WIDTH: _____ INLET DEPTH: _____ MAX. BOT DEPTH: _____ EFFECTIVE SW: _____

10'-12' Br. / Tan SL
 (finer w/ some gravel)



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
 OLD FREDERICK RD



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/21/58	14	4	204	200	205	212	4
	15	8	214	210	213	216	8
	17	12	OK				
	20	3.5	220	220		248	20
	21	11.5					
	30	4	220	231	231	241	10
	31	12	OK				
	41	13	OK				

REMARKS: Hole Peg Per Test Plat

TYPE OF SOIL: _____

TESTED BY: R. G. [Signature] ALSO PRESENT: MR BOSTON OW

14945 Old Frederick

Perc "C"

- 0-4" top soil / Br. Loam
- 4"-10" Br./Tan SL (loose)
- 10"-4' Red/Br. CL (tight) (angular)
- 4'-5' Brown/Red SCL (all tight w/ some silt)
- 5'-10' Brown/Red SL (w/ gravel & little silt)
- 10'-12' Brown/Tan SL (finer w/ gravel)

Perc depth	Start Time	End time/rate
6'	9:44am	10:03am

11 m.p.i.

Perc "B"

- 0-4" top soil
- 4"-9" Brown/Red SL (tight, sticky)
- 9'-2 1/2' Red/Tan CL (blocky, tight)
- 2 1/2'-4' Clay/silt layer (white/pink) blocky/platey
- 4'-4 1/2' Brown/Red SCL
- 4 1/2'-6' Brown/Tan SL (little silt)
- 6'-8 1/2' Tan/Pink SL w/ silt (very loose)
- 8 1/2'-11 1/2' White/Tan SL w/ gravel
- 11 1/2' hard pan / bottomed out > 40% shale

Perc depth	Start time	Perc 1" time	End time/rate
5.5'	10:12am	10:17am	10:28am

11 m.p.i.

Perc "A"

- depth: 5'
- 0-4" top soil / Br
 - 4"-9" Brown/Tan SCL w/ root small shale
 - 9"-3' Tan/Red SCL (mainly CL tight)
 - 3'-4' Tan/Red SCL (looser)
 - 4'-9' Tan/Pink SL w/ silt (very fine)
 - 9'-10' > 40% shale w/ SCL tight hard pan

Start time	Perc 1" time	End time/rate
10:53am	10:58	11:01 am

Perc "D"

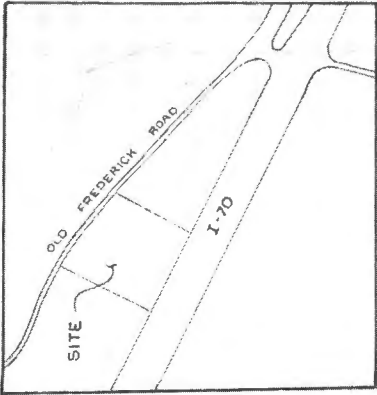
Fail > 40% shale @ 6' depth

Perc "E"

- 0-4" top soil
- 4"-1' Brown/Tan SCL w/ roots
- 1'-2 1/2' Brown/Tan CL (tight)
- 2 1/2'-4' Red/Tan CL (angular)
- 4'-5' Tan/Red SCL (tight)

Start	Perc 1" time	End time/rate	depth
11:24am	11:34am	11:49am	6'

5'-8' red/pink/tan SL w/ silt (loose)
 8'-12' tan SL (loosest)
 12' - greater than 40% shale / bottomed out



VICINITY MAP
SCALE: 1" = 800'

LEGEND

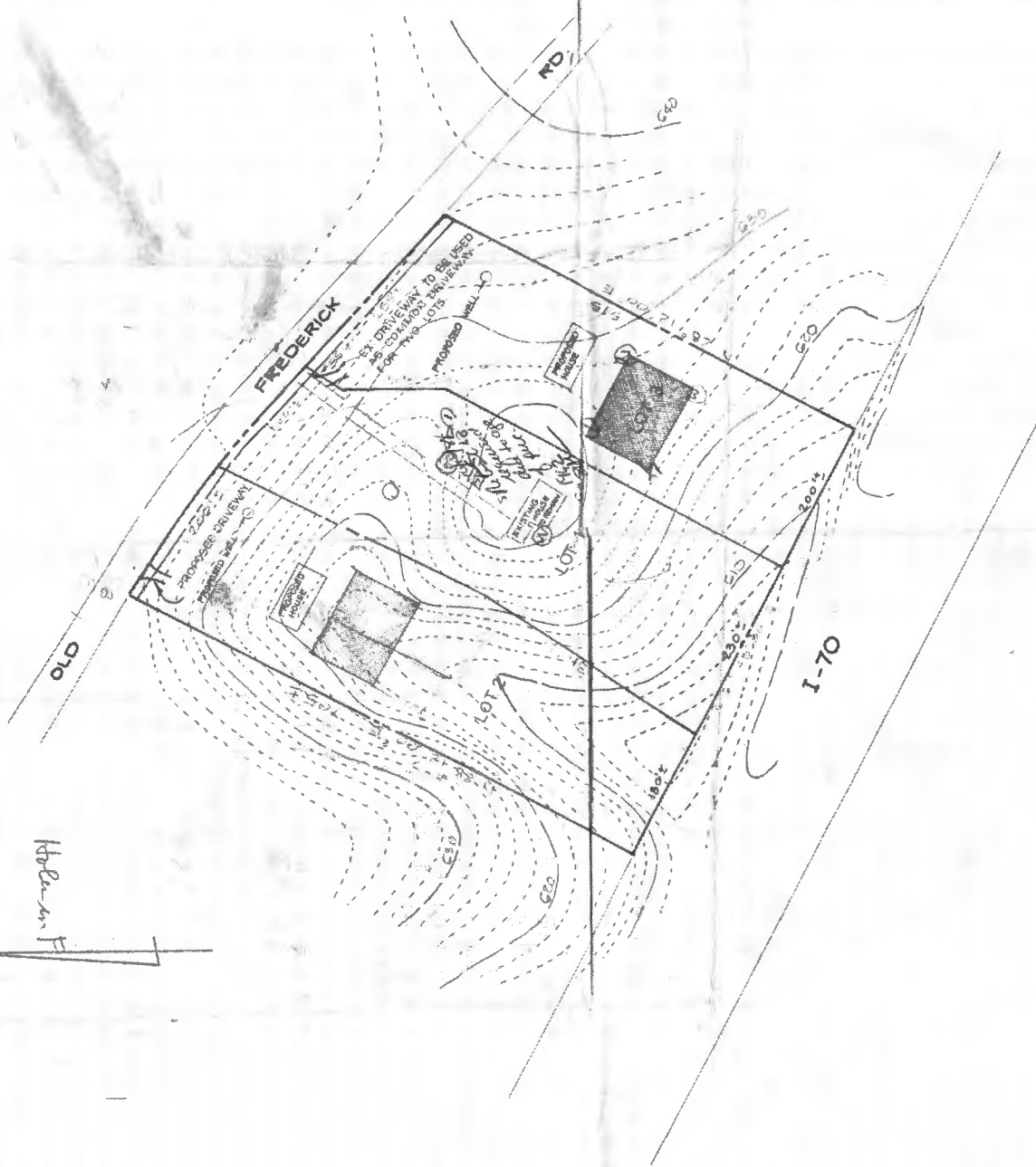
1. SUBJECT PROPERTY ZONED R PER 8-2-85
2. COMPREHENSIVE ZONING PLAN
3. THIS AREA DESIGNATES A PRIVATE BASEMENT AS REQUIRED BY MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL
4. O DENOTES WATER WELL

F 89-72

BATES PROPERTY
LOTS 1 TO 3
TAX MAP 8 PARCEL 79
3RD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 100'

OWNER & DEVELOPER:
ABRAHAM BATES
14994 FREDERICK ROAD
WOODBINE, MARYLAND 21797

LORIA, SEDGHI & ASSOCIATES, LTD.
ENGINEERS SURVEYORS PLANNERS
2417 CORPORATE COURT
ELLICOTT CITY, MARYLAND 21114
(301) 750-9100



Abraham B



Bureau of Environmental Health
8930 Stanford Blvd | Columbia, MD 21045
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1.866.313.6300 - Toll Free

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

February 28th, 2022

TO: Loretta Widerman, Applicant
RE: 14911 Old Frederick Road Percolation test results and data

Dear Mrs. Widerman,

On February 23, 2022, percolation tests were conducted as scheduled at 14911 Old Frederick Road. The proposed sewage disposal area re-location was thoroughly tested for the benefit of the existing Widerman Lot 1, in order to null & void their previously undesired SDA. The test site was dominated by two soil types, and five soil profiles were described and tested on the existing buildable lot 1 located on parcel 141.

Locations 114, 115, 116, and 117 were dug at their respective staked locations and they each had a PASS. An additional hole was proposed at the time of testing, due to the property's topography and for the benefit of future designed septic systems. Location 118 was the extra evaluated perc hole, and it also had a PASS.

All evaluated locations must be field-located and illustrated on the Percolation Certification Plan. This is not limited to staked perc holes 114-117.

Locations of percolation tests that 'PASS' are used to define the soils that are suitable for inclusion in an SDA proposed on the Percolation Certification Plan. The results and suitable areas for wastewater discharge are certified by the Approving Authority's signature of the Percolation Certification Plan. After the Percolation Certification Plan is signed by the Bureau of Environmental Health Director, the Health Department's Environmental Health Specialists may consider review and approval of the subdivision and permit proposals such as well or septic system permits and building permits.

If you have questions related to this report, you may reply to me via email, zsilvast@howardcountymd.gov, or call my desk, 410-313-1777.

Respectfully,

A handwritten signature in black ink that reads 'Zackary Silvast'.

Zackary Silvast, REHS/RS, L.E.H.S.

Plan Review Supervisor

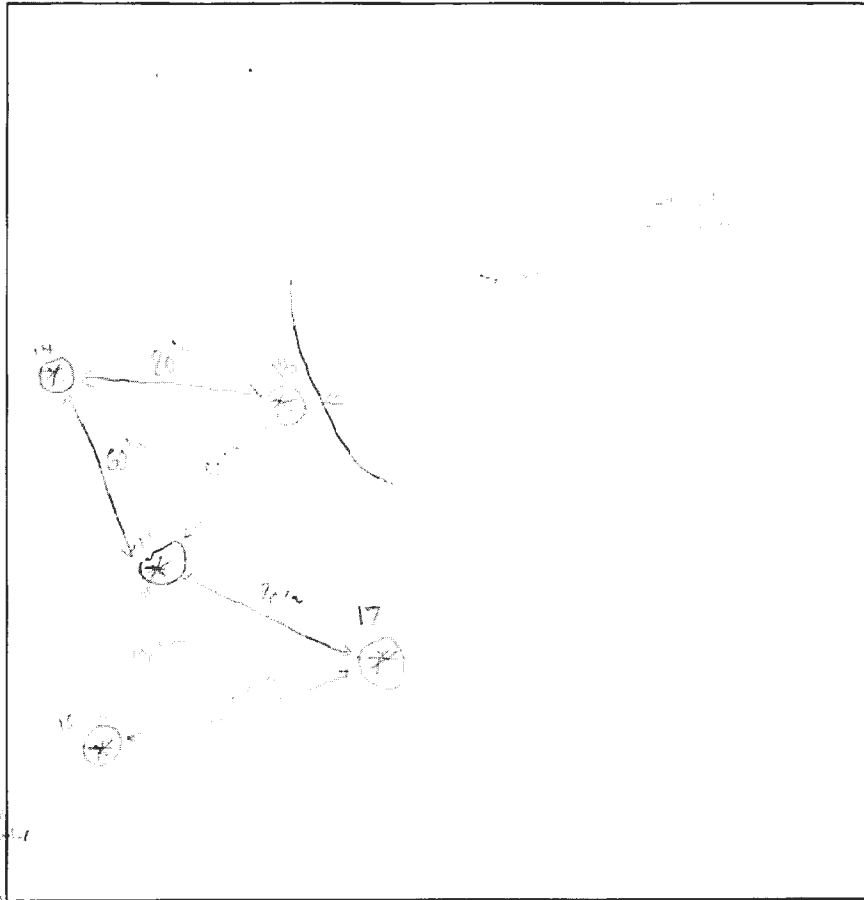
Well and Septic Program (*Howard County HD*)

Enclosures: Percolation Test Application and Field Worksheet

Copy: Tony Fertitta, Fisher, Collins & Carter, Inc.

A/P

Perce 16
 0-6' Top
 6'-8 1/2' Be
 LL
 8'-8' - 4' Tan/Br
 11'-5' Tan/Br
 5'-7' Tan/Br
 7'-12' Tan/Br



Perce 17
 0-2' Top
 2'-4' Tan/Br
 4'-6' Tan/Br
 6'-8' Tan/Br
 8'-10' Tan/Br
 10'-12' Tan/Br

Perce 14
 0-2' Top
 2'-4' Tan/Br
 4'-6' Tan/Br
 6'-8' Tan/Br
 8'-10' Tan/Br
 10'-12' Tan/Br
 15% slope

Perce 15
 0-2' Top
 2'-4' Tan/Br
 4'-6' Tan/Br
 6'-8' Tan/Br
 8'-10' Tan/Br
 10'-12' Tan/Br

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/10/22	16		9:31 am	9:35 am	9:44 am	9 mpi	P
2/10/22	14	4 1/2'	9:53 am	9:59 am	10:09 am	10 mpi	A
2/10/22	15	5'	10:00 am	10:07 am	10:15 am	14 mpi	P
2/10/22	17	6'	10:48 am	10:57 am	11:07 am	10 mpi	P
2/10/22	18	6' 1/2'	11:17 am	11:28 am	11:53 am	25 mpi	P

Perce 18
 0-2' Top
 2'-4' Tan/Br
 4'-6' Tan/Br
 6'-8' Tan/Br
 8'-10' Tan/Br
 10'-12' Tan/Br

REMARKS Circle 18

SANITARIAN none BACKHOE Circle OTHERS _____

TEST HOLES USED IN SDA 5 AVG. PERC TIME _____ SQ: FT/BR _____

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

APPLICATION

PERCOLATION TESTING

A 42796
P _____

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

DISTRICT 312
DATE Oct. 10, 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 Abraham Bates

ADDRESS 14949 Old Frederick Rd., Woodbine PHONE (301) 442-2047

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Bates Property LOT NO. _____

ROAD AND DESCRIPTION Old Frederick Rd.

TAX MAP 8 PARCEL # 73

SIZE OF LOT 3 Acres TYPE BLDG Residential
(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.

Mille Sechyle
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 10/31/89 Perc OK Hold for PCat

HD-216

THIS IS NOT A PERMIT



Silvast, Zackary

From: Silvast, Zackary
Sent: Monday, August 8, 2022 4:47 PM
To: Jacob Leimbach
Cc: Frank White; Williams, Jeffrey
Subject: Regarding Perc Cert for 14945 Old Frederick Road

To Whom it May Concern,

The following revisions need to be made to this perc certification plat.

1. **The current proposed SDA is showing a large portion of unconfirmed SDA.**
 - a. **Too far away from perc E & C.**
 - b. **The SDA should not be below percs C, B, and A.**
2. **Previously done perc holes should be bolder and marked clearly.**
3. **Contours needs to be bolder and legible. Too hard to see.**
4. **SDA should hug the contours above C, B, and A.**
 - a. **Conceptually see how the drainfields would be installed.**
5. **Need to show neighboring septic system in its entirety and the well location. (14949)**
6. **Show the SDA and well for property at 14911 Old Frederick Road.**
7. **Label proposed house.**
8. **Label SDA as "proposed."**
9. **I would slide house over to the left slightly to utilize some of the area between percs F, E, and A.**
10. **Remove note #10 from the plan.**

We look forward to your re-submittal & apologize for the delay.

- ZS

Zack Silvast (LEHS)

Plan Review Supervisor - Water & Sewer Division
410-313-1777

Environmental Health Bureau
Howard County Health Department

