



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 Triadelphia Mill Road

PROPERTY ADDRESS 12940 Triadelphia Mill Road Clarksville 21029
STREET TOWN ZIP

TAX ACCOUNT # 402077 TAX MAP 34 GRID 04 PARCEL 0013 LOT NO. 1 PROPOSED LOT SIZE (ACRES) 3

ZONING CATEGORY RR-DEO TIER III

PROPERTY OWNER(S) Ten Oaks LLC C/O Ronald L. Baire

DAYTIME PHONE (410) 320-6087 CELL EMAIL rbaire59@gmail.com

MAILING ADDRESS 12915 Triadelphia Mill Road Clarksville, Maryland 21029
STREET CITY, STATE ZIP

APPLICANT Paul C. Eng RELATIONSHIP TO OWNER: Representative

DAYTIME PHONE (410) 461-2855 CELL (443) 813-2302 EMAIL PaulC@fcc-eng.com

MAILING ADDRESS 10272 Baltimore National Pike Ellicott City, Maryland 21042
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 2 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

AP

12940 Tridelpia Mill Road

6

1

2

0-6" top soil / Br. loam
1 cuf litter

6"-1' Tan/grayish
SCL (hard, compact
w/ roots)

1'-3' Br./Reddish
CL (tight, angular)

3'-4' Red/Tan
SCL (platey)
(still tight)

4'-5' Yellow/Tan/Reddish
SCL w/ silt & mica
(platey)

5'-14' Pink/Red
sandy silt loam
w/ mica max 8'

WT @ 12' (11' 10")
that 8'

8

0-6" top soil
Br. loam

6"-3' Br./Tan CL
(thick, angular)

3'-5' Tan/Yellow/Reddish
SCL w/ some
silt (platey, tight)

5'-6' Red/Pink/Yellow
SCL w/ silt
(very loose friable)

6'-11' Pink/Reddish
sandy silt loam
w/ mica

WT @ 11'
started to see mottling

* max bottom 7'

3

0-4" top soil

4'-1' Br./Gray
SCL (loose)

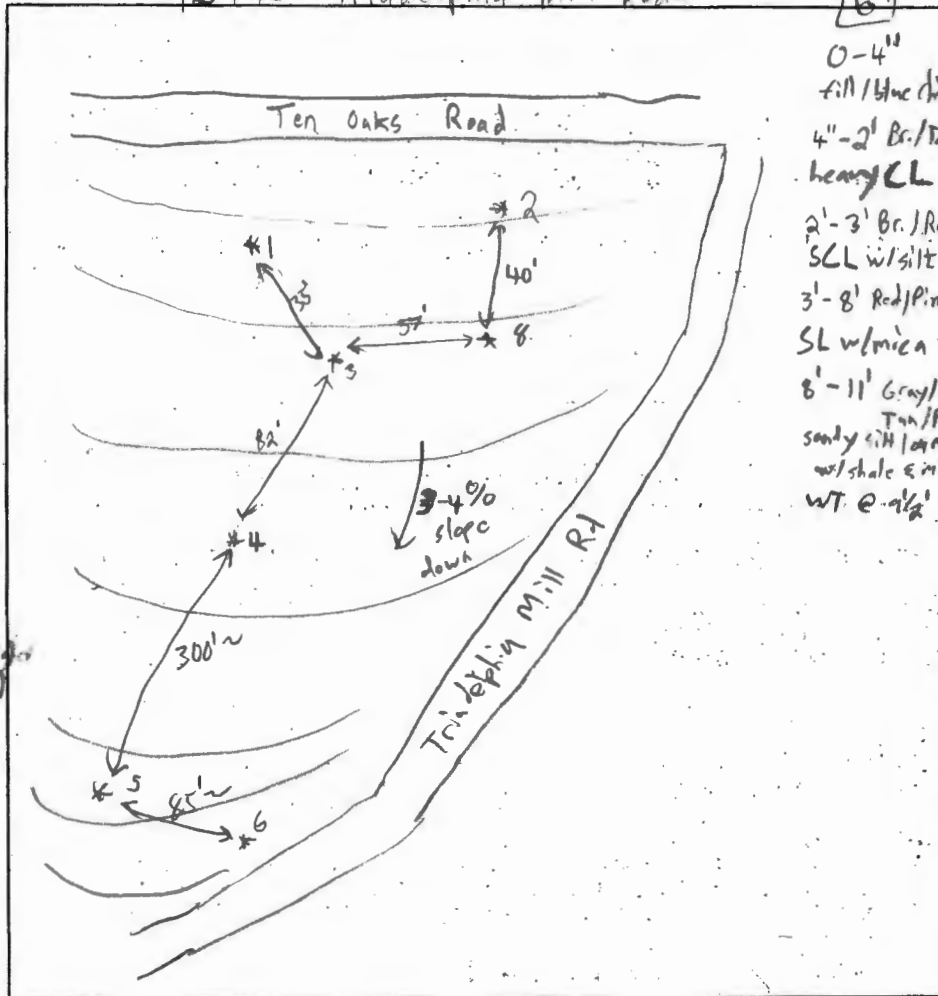
1'-2' pale
w/ large Br./Tan
CL (angular)

2'-3 1/2' Yellow/
Tan Clay (blocky)

3 1/2'-4' Red/Yellow
SCL platey

4'-11' pink/yellow/red
sandy silt loam
w/ mica

11'-13'
Tan/pink/gray
sandy loam
w/ mica



0-4" fill/blue chip

4"-2' Br./Tan
heavy CL

2'-3' Br./Red
SCL w/ silt

3'-8' Red/Pink/Br.
SL w/ mica

8'-11' Gray/Reddish
Tan/Pink
sandy silt loam
w/ shale & mica
WT @ 9 1/2'

0-5" top soil

5"-1' Br./Grayish
SCL (loose) w/ gravel

1'-1 1/2' Br./Reddish
CL w/ large gravel
tight

1 1/2'-4 1/2' Tan/Red/
Yellow
heavy CL (main clay)
(blocky, angular)

4 1/2'-6' Yellow/Red/Tan
SCL (platey, tight)

6'-11' Pink/Tan/red
sandy silt loam
w/ mica

11'-14' Gray/Pink
SL w/ mica

4

0-3" top soil

3"-1' Br./Gray
SCL w/ > 50%

1'-2 1/2' Br./Red
Clay (sub-angular)
tight blocky

2 1/2'-4 1/2'
Yellow/Tan/Reddish
SCL w/ some silt
sub platey/slightly
friable

4 1/2'-10' Red/Tan/
Pink sandy
silt loam w/ mica

WT @ 10'

10'-13' Red/Yellow/white
purple SL w/ silt & mica

5

0-1' Gravel/Lime
Blue stone

1'-2' Brown/Red
heavy CL (mainly
clay, blocky)

2'-2 1/2' Tan/Red
CL (angular, tight)

2 1/2'-4' Tan/Red/Pink
SCL w/ silt
platey

4'-9' Red/Pink
sandy silt loam
w/ mica

9'-13' Pink/Gray
sandy loam
w/ heavy mica
WT @ 11'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
6/5/23	"2"	6'	10:03am	10:09	10:26am	17 mp.	P
6/5/23	"8"	6'	11:03am	11:08am	11:18am	10 mp.	P
6/5/23	"3"	5'	10:12am	10:15am	10:18am	3 mp.	P
4/5/23	"1"	5 1/2'	10:33am	10:35am	10:38am	3 mp.	P
6/5/23	"1"	7'	11:16am	11:20am	11:27am	7 mp.	P
6/5/23	"4"	6'	11:24am	11:25am	11:28am	3 mp.	P
6/5/23	"5"	6'	12:20pm	12:21pm	12:24pm	3 mp.	P
6/5/23	"6"	5 1/2'	12:47pm	12:51pm	1:00pm	9 mp.	P

REMARKS Evaluation of dry well: depth 13', WT @ 15' (no restrictive layers)

SANITARIAN Z. Silvanst

BACKHOE H.A. Das (Todd)

OTHERS Luke Groom, FCL

TEST HOLES USED IN SDA

AVG. PERC TIME

SQ. FT/BR

TRENCH WIDTH

INLET DEPTH

MAX. BOT DEPTH

EFFECTIVE SW

APPLICATION

PERCOLATION TESTING

A 57579

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043

TELEPHONE: 313-2640

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Ten Oaks Nursery LOT NO. 3

ROAD AND DESCRIPTION Triadelphia Mill Road

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(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. _____
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

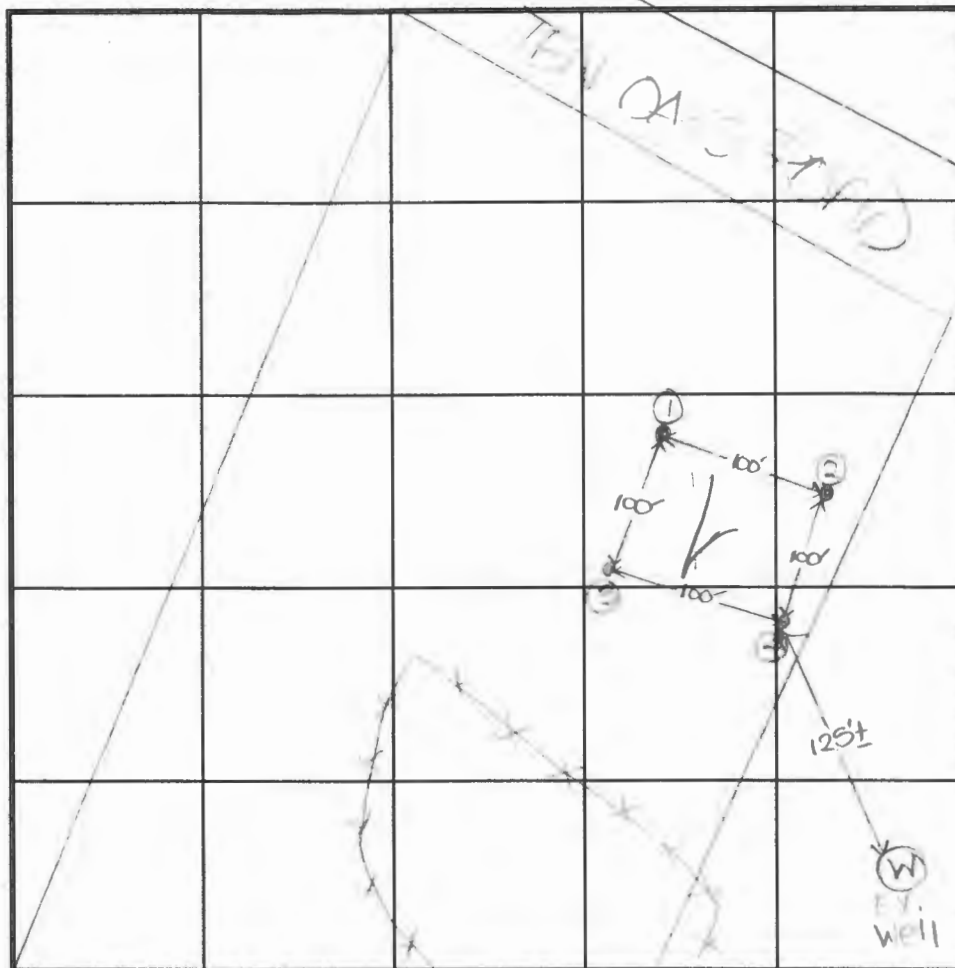
57579
COUNTY #

SOIL PROFILE

0' ALL
topsoil
org brn
cl lrm
4' 1/2'
lt org
brn to
lt brn
sl m
w/ n
fics
10.5' 10% clay
frag

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Triadelphia Mill Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-4-97	1	4.5'S	9:26	9:30	9:30	9:31	7
		8.0'M	9:25	9:27	9:27	9:32	5
		10.5'D	Visual OK - See profile				
	2	4.5'S	9:54	9:58	9:58	10:04	6
		10.5'D	Visual OK - See profile				
	3	6.0'S	9:38	9:43	9:43	9:50	8
		12.0'D	Visual OK - See profile				
	4	5.0'S	9:45	9:48	9:48	9:51	3
		10.5'D	Visual OK - See profile				

REMARKS holes tested as stated

TYPE OF SOIL _____

TESTED BY D. Soe ALSO PRESENT O. Cisse

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 6 TRENCH WIDTH 3'

INLET DEPTH 4.5 MAXIMUM BOTTOM DEPTH 6.5 SQ. FT./BEDROOM 180

12/27/96
10:00

APPLICATION

PERCOLATION TESTING

A 57579

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

PREVIEW OK
EXISTING
VACANT LOT
(CW)

DISTRICT 5

DATE 11/26/96

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Adams Limited Partnership

ADDRESS 5790 13060 Triadelphia PHONE 410-531-2361

AGENT OR PROSPECTIVE BUYER Adams Mill Rd. Clarksville, Md. 21029

ADDRESS 13069 Triadelphia Mill Rd PHONE _____

PROPERTY LOCATION: Clarksville, Md. Rd

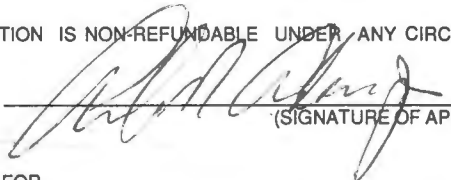
SUBDIVISION None LOT NO. 3

ROAD AND DESCRIPTION Triadelphia Mill Rd Clarksville, Md.

TAX MAP _____ PARCEL # _____

SIZE OF LOT 3 Acre TYPE BLDG. Dwelling
(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.



(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

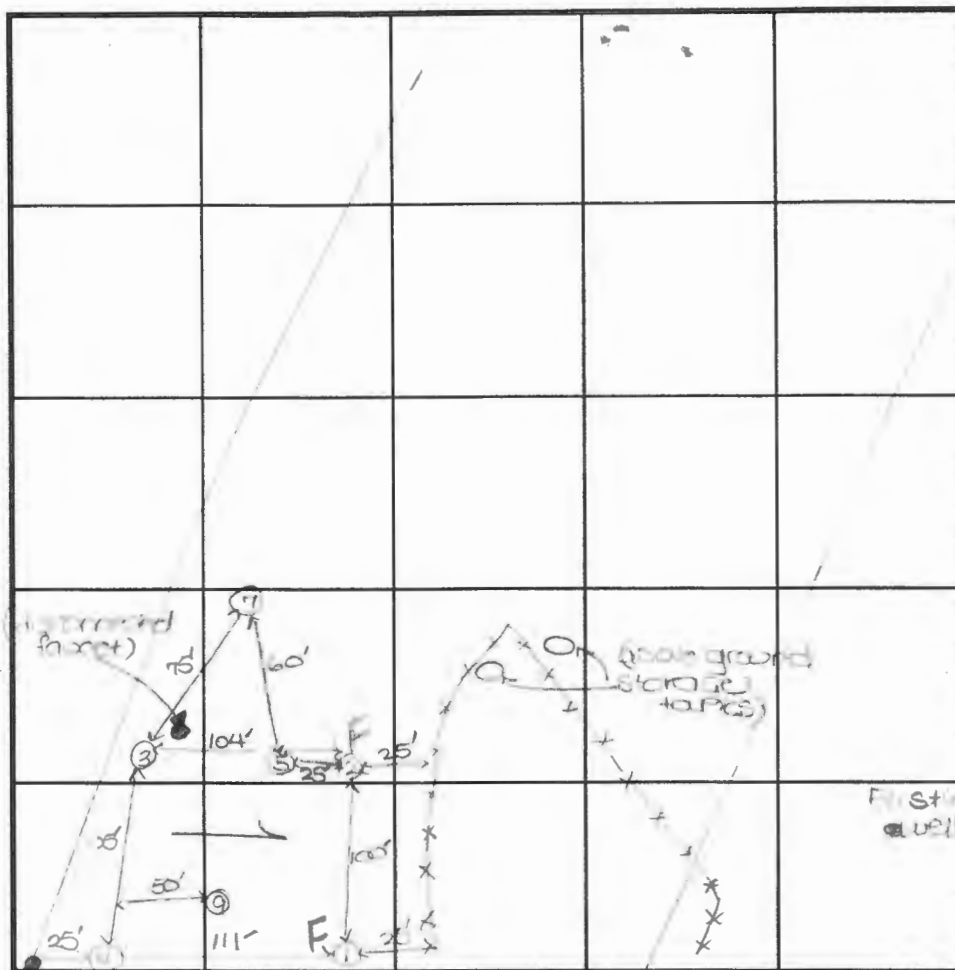
57579
COUNTY #

SOIL PROFILE

0' ①
1' topsoil
4' org red
br cl n
br to.
H br si
w/ mica
flocs
5-10%
rock
frags

0' ④
1' topsoil
4' red org
br cl n
med br
sil m
w/ mica
flocs
10-15%
rock
frags

0' ③
1' topsoil
4' red org
br cl n
H org
sil m
w/ mica
flocs
15%
rock
frags



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Philadelphia Mill Road

SOIL PROFILE

0' ②
1' topsoil
4' red org
br cl n
med pk
br sil m
w/ mica
flocs
cream to
white
sil cl m
(moist)
10' septic
line
12.5' water

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12-27-96	1	5.0'S	10:48	10:49	10:49	10:51	2
		11.0'D	Visual	See profile			
	4	4.5'S	10:56	10:57	10:57	10:58	2
		9.0'M	10:56	10:57	10:57	11:00	3
		12.5'D	Visual	See profile			
	3	4.5'S	11:00	11:03	11:03	11:09	6
		12.0'D	Visual	See profile			
	2	4.0'S	11:19	11:22	11:22	11:25	3
		12.5'D	WATER				

FAIL

FAIL

REMARKS use holes ③, ④, ⑦, ⑨ and higher for septic area

TYPE OF SOIL

TESTED BY D. Soe / KAM ALSO PRESENT Mr. Cisse / owner

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 4 TRENCH WIDTH 3

INLET DEPTH 4.0 MAXIMUM BOTTOM DEPTH 6.0 SQ. FT./BEDROOM 180

APPLICATION

PERCOLATION TESTING

A 57579

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT 5

DATE 11/26/96

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Adams Limited Partnership

ADDRESS 5790 13060 Triadelphia PHONE 410-531-2311

AGENT OR PROSPECTIVE BUYER Adams Mill Rd. Clarksville, Md. 21039

ADDRESS 13060 Triadelphia PHONE _____

PROPERTY LOCATION: Clarksville, Md. Rd

SUBDIVISION None LOT NO. 3

ROAD AND DESCRIPTION Triadelphia Mill Rd Clarksville, Md.

TAX MAP _____ PARCEL # _____

SIZE OF LOT 3 Acre 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.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

57579

COUNTY #

SOIL PROFILE

0' ⑤
 1' topsoil
 red br
 clay
 4' 1/2
 1+ org
 br silty
 sm bal
 ream
 silty
 5-10%
 rock
 frags

0' ⑦
 1' topsoil
 red clay
 ream
 3.5' 4'
 med clay
 br silty
 1m
 5-10%
 rock
 frags

0' ④
 1' topsoil
 red br
 clay
 4' 1/2
 med silty
 mica
 frags
 5-10%
 rock
 frags

SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12-27-96	5	11.0'D	Visual	- See profile	→	?	
	7	11.5'D	Visual	- See profile	→	OK	
	9	12.0'D	Visual	- See profile	→	OK	

REMARKS _____

TYPE OF SOIL _____

TESTED BY D. Soe / RAM ALSO PRESENT Mr. Cissel, Owner

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

April 11, 1997

Mr. Andrew Adams
13068 Triadelphia Mill Road
Clarksville, Maryland 21029

RE: PERCOLATION TEST RESULTS
Application #57579
Proposed Use: Recorded Lot
Property ID: Ten Oaks Nursery - Lot 3
Triadelphia Mill Road

Dear Mr. Adams:

Percolation retesting conducted April 4, 1997 on the above referenced property indicated satisfactory soil conditions.

A copy of the percolation retest results is enclosed.

Further review is contingent upon submission by a registered engineer of a percolation certification plat showing actual locations and elevations of all excavated test holes and a suitable house and well site. The plat should also include the location of all existing wells and septic systems on the property as well as the location of any other relevant features such as streams, swales, or existing structures. A note must be included certifying that all wells and septic systems within 100 feet of property boundaries have been shown. The requested plan should be submitted within sixty (60) days to allow field verification if necessary.

The information provided in the Preliminary Plan prepared by Fisher, Collins & Carter, Inc. in November, 1996, is sufficient to demonstrate that the multiple boundary adjustments that have occurred on adjacent parcels have had no detrimental effect on well and septic capacity on those parcels. Therefore, these parcels will not be subject to further review in conjunction with this current proposal.

Thank you for your cooperation and patience in efforts to resolve issues of concern regarding this proposal.

Very truly yours,

Donna K. Soe, R.S.
Water and Sewerage Program

DKS

cc: Fisher, Collins & Carter, Inc.

Mr. Richard Talkin

file

Bureau of Environmental Health

3525-H Ellicott Mills Drive Ellicott City, Maryland 21043-4544

Water and Sewerage, Permits (410) 313-2640 Community Environmental Health (410) 313-2644

Food Protection Program (410) 313-2642 TDD (410) 313-2323

Silvast, Zackary

From: Silvast, Zackary
Sent: Tuesday, October 17, 2023 1:41 PM
To: 'Luke Groom'
Cc: Frank Manalansan II; Paul Cavanaugh; Ron Baire
Subject: regarding OSDS plan for 12940 Triadelphia Mill Road revisions
Attachments: 12940 Triadelphia Mill Road updated spec sheet.pdf

Hello all,

As I'm sure everyone has been informed the PC has finally been approved and signed by our director. Big step. Unfortunately, I have one more round of revision comments that need to be made to the OSDS plan. Please see the comments below.

1. The trench detail is wrong and is inverted.
 - a. We want the invert in at 2' currently showing 6' deep.
 - b. We need ground elevation labeled, earth cover labeled, correct stone 6" above and 5' below.
 - c. Effective depth correctly shown starting at 6' depth.
2. Please update trenching for systems based on newly updated spec sheet. (see attached)
3. No note regarding the well in shed was added from previous comments.
 - a. "Add a general note that states that the existing well in shed must be properly sealed & abandoned prior to installing the new septic system."
4. There is a lot of tank confusion on this submittal.
 - a. It appears from the plans that FCC wants to keep the existing 2-compartment 1000 GAL septic tank so saying the tank "to be abandoned" does not imply.
 - b. The plan eludes to a choice being made of tank re-location. (which may or may not be true)
 - c. The proposed 1000 Gallon pump pit needs to be properly labeled.
5. 2 inch force main should be labeled.
6. New force main is going through the abandoned dry well?
 - a. Also seems like way to many angled fittings in force main line. DO we need this many? (maybe 3 necessary?)
 - b. Will have to reconfigure calculation with less piping.
7. Edit note number 3 by adding a sentence, "Electrical permit will need to be pulled prior to septic permit release."

We look forward to your re-submittal. Thank you.

- ZS

Zack Silvast (LEHS)

Plan Review Supervisor - Water & Sewer Division

Silvast, Zackary

From: Silvast, Zackary
Sent: Monday, September 18, 2023 12:40 PM
To: Frank Manalansan II
Cc: Luke Groom; Paul Cavanaugh; Ron Baire
Subject: regarding PC 12940 Triadelphia Mill Road revision comments

To Whom It May Concern,

We have thoroughly reviewed the recently submitted Perc Certification Plan and have the following revision comments that will need to be addressed.

1. **Missing Health Officer Signature Block.**
2. **Add to note 10 that the “old cistern” is no longer connected to any well.**
3. **Add note, “An approved OSDS plan that highlights three designed septic systems fitting within the SDA will be required prior to building permit approval. The existing septic system will be pumped, disconnected and properly abandoned & a new septic system will be installed prior to building permit approval.”**
4. **Purpose Statement on this plan is too vague.**
 - a. **Needs to be more specific to the property’s proposed work.**
 - b. **Should also highlight intended use of property.**
 1. **SDA to serve residential house only. (example)**
 2. **Property to continue nursery use with no impact to any well or septic on-site. (example)**

We look forward to your swift review and resubmittal. Thank you.

- ZS

Zack Silvast (LEHS)

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

Environmental Health Bureau
Howard County Health Department



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

January 2, 1997

Mr. Andrew Adams
13060 Triadelphia Mill Road
Clarksville, Maryland 21029

RE: Percolation Test Results Application
Number: 57579
Proposed Use: Recorded Lot
Property ID: Ten Oaks Nursery - Lot 3
Triadelphia Mill Road

Dear Mr. Adams:

Percolation testing conducted December 27, 1996 on the above referenced property indicated limited satisfactory soil conditions. Copies of the percolation test results are enclosed.

Further review is contingent upon submission by a registered engineer of a percolation certification plat showing actual locations and elevations of all excavated test holes and a suitable house and well site. The plat should also include the location of all existing wells and septic systems on the property as well as the location of any other relevant features such as streams, swales, or existing structures. A note must be included certifying that all wells and septic systems within 100 feet of property boundaries have been shown.

A note should also be included to address the existing water faucet, potentially located in the septic area. The presence of any underground storage tanks should also be included.

This plat should be submitted within sixty (60) days to allow field verification if necessary.

If you have any questions regarding this matter, please contact me at the below address or by calling 313-2640.

Very truly yours,

Donna K. Soe, Sanitarian
Water and Sewerage Program

DKS:jr

Enclosures

cc: Fisher, Collins and Carter, Inc.

File

Bureau of Environmental Health

3525-H Ellicott Mills Drive Ellicott City, Maryland 21043-4544

Water and Sewerage, Permits (410) 313-2640 Community Environmental Health (410) 313-2644

Food Protection Program (410) 313-2642 TDD (410) 313-2323



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

March 6, 1997

MEMORANDUM

TO: Joseph L. Mayne Well Drilling
5512 Ridge Road
Mt. Airy, Maryland 21771

FROM: Craig Williams, Program Director (CW)
Water and Sewerage Program

RE: Well Permit Application
Ten Oaks Nursery - Lot 3
Ten Oaks Road
Andrew Adams, Owner

This is to advise that the above referenced well drilling permit is delayed until approval of the percolation test plan. (See attached explanation related to that review.)

If you have any questions regarding this matter, please contact me at the below address or by calling 313-2640.

CW:jr

Enclosure

cc: Andrew Adams
File ✓



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer
December 9, 1996

Mr. Andrew Adams
13060 Triadelphia Mill Road
Clarksville, Maryland 21029

RE: Percolation Testing Application
Receipt Number: 57579
Ten Oaks Nursery Property - Lot 3
Triadelphia Mill Road

Dear Mr. Adams:

A percolation test date has been reserved for 10:00 a.m., Friday, December 27, 1996.

You will be responsible for having a contractor on-site to excavate test holes at the corners of proposed percolation area.

Please call this office between 8:00 a.m. and 5:00 p.m., Monday through Friday, to confirm your acceptance of this percolation test date.

Thank you for your cooperation in this matter.

Very truly yours,

Craig Williams, Program Director
Water and Sewerage Program

CW:jr

cc: Fisher, Collins and Carter, Inc.
Claude Cissel
File

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

June 26th, 2023

TO: Ron Baire, Applicants
CC: Luke Groom, FCC Engineering
RE: 12940 Triadelphia Mill Road percolation test results and data

To Whom It May Concern,

On June 5th, percolation tests were conducted as scheduled at 12940 Triadelphia Mill Road. The two proposed sewage disposal areas (SDAs) were thoroughly tested and evaluated on this day. The test sites were dominated by one main soil type, Glenelg loam (GgB, GgA). There was Glenville loam (GmB) present on the southwestern region of the property's boundaries, but it was not observed in any hole that was evaluated on the date of testing. Seven perc holes were staked for testing (1-6 and test pit "8"). One additional hole was dug to the left of the existing dug well and at the same elevation relatively to determine if the existing drywell met requirements to continue to exist. The purpose of our testing today was to establish a sewage disposal area for the subject property as the existing structure was originally built in the 1960s without an SDA. The property owner has taken the recommended path in order to gain approval of his proposed building permit involving a residential addition.

We started the day out by evaluating the northern part of the property where the larger of the two split SDAs was being proposed. The soils had a lot of structure and sandy material, but they also had soil horizons containing silt and mica. There were plenty of holes tested where platy shale and crumbled rocks were present. Holes 1 & 2 were both re-shelfed to achieve better perc rates. Staked holes 2, 8, 3, 1, and 4 were tested in that order and all obtained a PASSING perc. The northern parcel SDA will have trenches restricted to a max bottom depth of 7'. This was decided so the future septic systems will be above a few thin & thick rock/clay soil layers. We went down and tested holes 5 and 6 which were on the edge of the wet season soil known as Glenville. I am sure that we were not testing in a pure wet season soil at these two perc locations. However, the water table was determined to be higher at holes 5 & 6. But the sanitarians were able to achieve testable depths. The water table was very hard to determine at this site, and since we were so far displaced from a normal wet season and testing during the summer, Howard County chose to be as conservative as possible with our assessments of water table determination. Percs 5 and 6 also achieved PASSING perc rates, and any septic system proposed within this southern region if used as a split SDA should be installed at 5.5' depth. An expanded area below hole 6 would require testing during the wet season.

The hole dug at the southeast of the property, where the two major county roads meet, was used to analyze the dug well. Based on the depth of the dug well at 13' and a determined water table depth at 15', it is recommended that the dug well be abandoned and a new septic system installed. The only way this could be avoided is if the dug well is analyzed at the very start of a healthy wet season and the water table level is visually seen lower than the depth that I observed. In my honest opinion, I do not see this path being beneficial. It will be better to install a new septic system in an approvable sewage disposal area.

All evaluated locations must be field-located and illustrated on the Percolation Certification Plan. There is no guarantee that an SDA can be created with the two proposed, split SDAs. There is also

no guarantee that three septic systems will be able to fit within the confines of the limited square footage provided by the test regions. I do believe the best area to establish a suitable SDA would be closer to Ten Oaks Road on this parcel.

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. 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. These designated areas must be at least 10,000 sq.ft in size and large enough to accommodate 3 systems (initial/existing and two replacements). If 3 systems cannot fit, the Health Department may consider allowing 2 systems (initial and 1 replacement) which will require Best Available Technology (BAT). 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 an On-Site Sewage Disposal System (OSDS) plan 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". The signature is written in a cursive, flowing style.

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

Ron Baire

12940 Triadelphia Mill Rd
Clarksville MD, 21029

January 10, 2023

Zack Silvast

Plan Review Supervisor

Water & Sewer Division

8930 Stanford Boulevard

Columbia, Md.

Zack,

My Name is Ronald Baire and I live at 12940 Triadelphia Mill Road in Clarksville, Maryland. This letter is about a conversation I had recently with Tony Fertitta regarding my need for a Perk Test Waiver. He suggested that I write to you and explain my building project and see if it fits the criteria for a waiver.

I would like to add about 600 sq. ft. to my existing house which would entail bumping out a portion of the Southeast side of the house eight feet or 200 sq. ft. total. The second area to the northwest side would be about 16 feet by 25 feet or 400 sq. ft., (I have attached a sketch for your review). The addition would be to enlarge the kitchen and bathroom, add a mudroom, closet space, and increase the area of the dining room. These additional areas would not add bedrooms or bathrooms but would allow for a better living area and quality of life.

Thank you for your assistance,

I may be reached by phone at 410 (320-6087) . Please let me know if you need any further information.

Sincerely,


Ron Baire