



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

(A/P) 526236

AGENCY REVIEW: _____

DATE 2/12/07

DO NOT WRITE ABOVE THIS LINE

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

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE: ---

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH 3 PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE UNKNOWN IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Joe Leister

DAYTIME PHONE 443 677 9385 CELL _____ FAX _____

MAILING ADDRESS 501 Woodbine Rd Woodbine
STREET CITY/TOWN STATE ZIP

APPLICANT Fogle's Septic Clean Inc

DAYTIME PHONE 410 795-5670 CELL _____ FAX _____

MAILING ADDRESS 580 Obrecht Rd Sykesville
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

PROPERTY ADDRESS 501 Woodbine Rd Woodbine
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE _____

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.

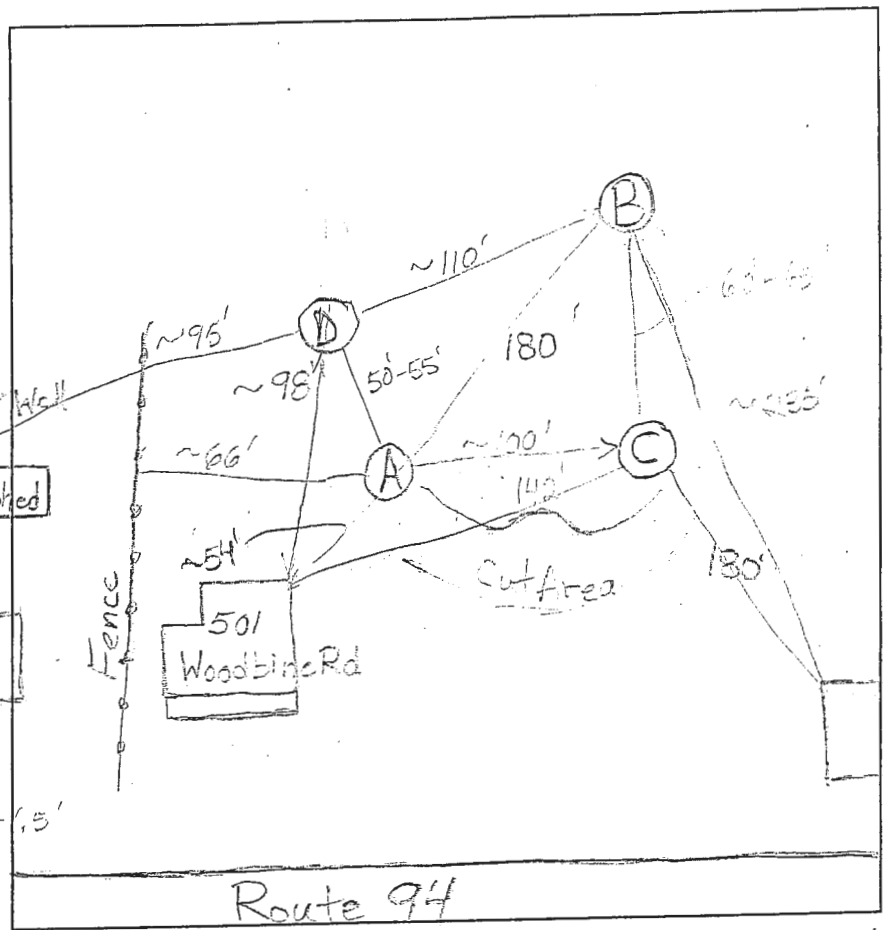
Kent A. Cassell

SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

A/P _____

(A)
 2' Dense Red Br
 Cl Loom
 4' Red Br
 Sa Cl Loom
 Pockets
 of >50%
 Or Br Cl Loom
 >50%
 Rock
 6'
 (B)
 4' Br Cl Loom
 Lots of Roots
 Or Humid Loom
 Br Cl Loom
 ~50% Sand
 Rock
 Fragments
 6'
 >50%
 Rock
 6.5'
 (C)
 4' Br Cl Loom
 Lots of Roots
 Similar to
 Hole 3
 3-28
 Red Br
 Sa Cl Loom
 4'
 Solid Rock
 On Uphill
 Part of Hole
 6'



(D)
 Red Br
 Cl Loom
 Similar to
 34C
 Dense Red ~25%
 Br Sa Cl Rock
 Loom 5-6'
 ~50% Rock
 Close to 100%
 Rock on Uphill
 Part of Hole 3'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	PIF/H
2/27/07	A	1' 6"	12:14	12:52	3:30	1st rh	
	B	1' 6"	11:05:40	11:54:45	10:59:45	9	
		4.5'	11:05:40	11:15	11:07:30	12 1/2	
		3'	11:37:30	11:59	12:24	25	
	A	3'	1:09	1:22	1:36	14	
	C	1' 6"	1:24:20	1:38	1:46	8	
		2.5-3'	1:44	2:05	2:38	33	
		4'	2:00	2:17	2:59	42	
	D	1' 3"	2:40	2:46:30	est. →	9	
		2'	3:05:30	3:12:15	3:30	18	
		11-14.5'	3:06:20	3:07:15	3:14:40	5 1/2	

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

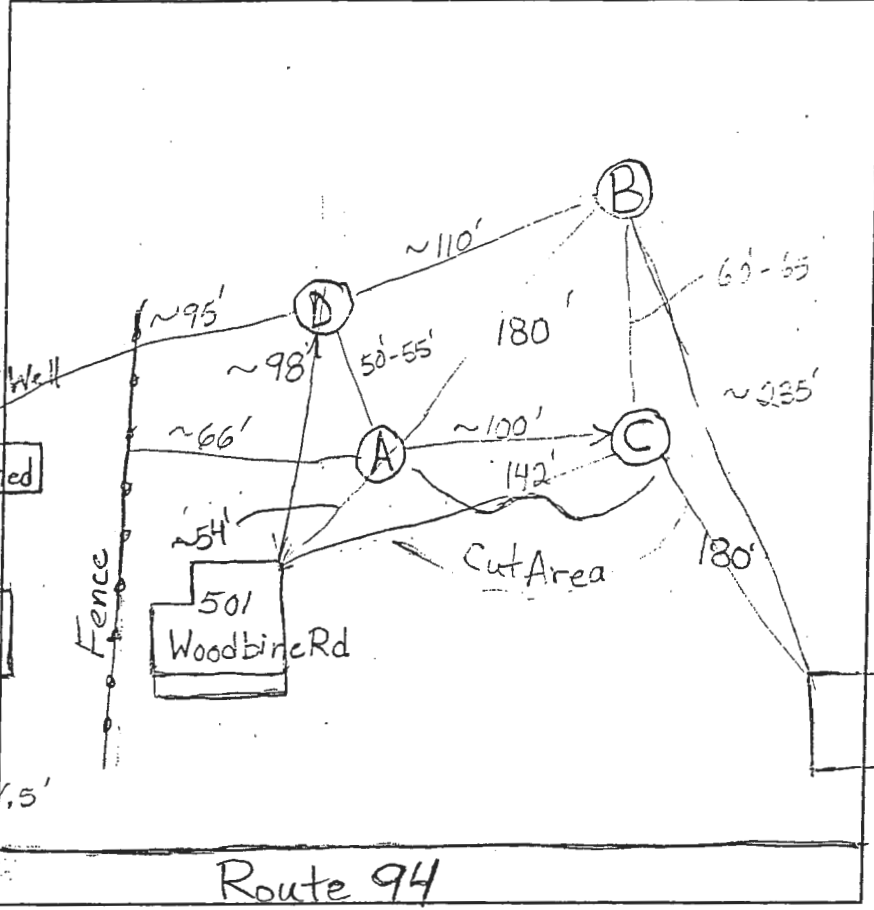
Well
 Shed
 50' Woodbine Rd
 Route 94
 Well

A/P

(A)
Dense Red Br
Cl Loam
2'
Red Br
S&Cl Loam
Pockets
of 750%
Or Br Cl Loam
4'
>50%
Rock
6'

(B)
Br Cl Loam
Lots of Roots
Br Fertilizer
4'
Br Cl Loam
S&Cl Loam
~50% to Small
Rock
Fragments
6'
>50%
Rock
6.5'

(C)
Br Cl Loam
Lots of Roots
Similar to
Hole B
3-3.5'
Less
Roots - Tighter
3-3.5'
Red Br
S&Cl Loam
Fairly Tight
~25% Rock
4'
Solid Rock
On Uphill
Part of Hole
6'



(D)
Red Br
Cl Loam
Similar to
B+C
5.5-3.5'
Dense Red
Br S&Cl
Loam
25%
Rock
5'-6'
~50% Rock
close to 100%
Rock on Uphill
Part of Hole
8'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/27/07	A	1' 6"	12:14	12:52	38	Cor 1st inch	
	B	1' 6.5"	10:40	10:45:45	10:54:45	9	
		4.5'	11:05:40	11:15	11:27:30	12 1/2	
		3'	11:37:30	11:59	12:24	25	
	A	3'	1:09	1:22	1:36	14	
	C	1' 6"	1:34:30	1:38	1:46	8	
		2.5-3'	1:44	2:05	2:38	33	
		4'	2:00	2:17	2:59	42	
	D	1' 8"	2:40	2:45:30	est.	9	
		2'	3:05:30	3:12:15	3:30	18	
		4'-4.5'	3:06:30	3:09:15	3:14:45	5 1/2	

Retain Area
Throws Out

REMARKS
SANITARIAN B. Baker BACKHOE Fogles OTHERS
TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

MARYLAND DEPARTMENT OF THE ENVIRONMENT
1800 Washington Boulevard • Baltimore MD 21230
MDE 410-537-3000 • 1-800-633-6101

Martin O'Malley
Governor

Anthony G. Brown
Lieutenant Governor

Shari T. Wilson
Secretary

Robert M. Summers, Ph.D.
Deputy Secretary

April 12, 2007

Mr. Robert Weber, Director
Environmental Health
Howard County Health Department
7178 Columbia Gateway Drive
Columbia, Maryland 21046

RE: Joseph Leister, Jr. Property
501 Woodbine Rd.

Dear Mr. Weber:

I have reviewed the referenced property's site evaluation data from your files and visited the property with Brian Baker of your office. The results of the site evaluation of this property indicate site limitations regarding available soil treatment zone and slope in the rear of the property where soils with acceptable permeabilities for the installation of an innovative shallow trench system preceded by advanced pretreatment were found. The area is too steep for the construction of a sand mound system. Because of limitations on the available soil treatment zone a peat filter may be the best option for pretreatment because of its pathogen removal capability, and the difficulty involved in short circuiting it. The available pre-manufactured peat filters are typically set on an aggregate bed that may serve as a portion of the required absorption area. However, since the soil dispersal area is so steep, it will be necessary to locate the filter outside of the dispersal area. A pump chamber will be required to convey septic tank effluent to the peat filter. The peat filter's effluent will also need to be collected in a pump chamber and then be pumped to the shallow trench system. The system can be designed so that a small chamber can be used for pumping to the trenches with the storage required for flow equalization and response time to alarms being provided in the pump chamber prior to the filter. Following the peat filters, the pretreated effluent can be discharged via serial distribution to the shallow trenches in the rear of the property.

The property owner may wish to contact private consultants if they feel that other options for this property can be proposed. The rear yard of the site is marginally suitable due to the difficulties that would be involved in constructing such a system. Other systems might include the installation of a drip dispersal system with advanced pretreatment or at-grade mounds and/or composting toilet(s) to eliminate blackwater flows. Since there is increased risk associated with this site, the property owner may want to consider approval of this site for a holding tank if they



Letter to: Mr. Robert Weber, Director
Re: Joseph Leister, Jr. Property
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can comply with the conditions set forth in Policy Directive R.S. 7. An approval for an innovative system or holding tank for this property is for the sewage flow from the existing home only, and is not suitable for any expansion of the dwelling that could increase sewage flows. The following sections summarize requirements necessary for proceeding with the project.

Well Variance

For a system to be sited in the rear yard of the property a variance to COMAR's provision that wells be located downgrade of sewage disposal systems is required. COMAR contains a reasonable provision for the Maryland Department of the Environment (MDE) to grant a variance to this provision upon recommendation of the Approving Authority.

Pretreatment

Employing advanced pretreatment on septic tank effluent is beneficial from the standpoint of enhancing the soil absorption component of the system's performance and extending its life. There are a variety of devices and methods for providing advanced pretreatment, including constructed wetlands, aerobic wastewater treatment plants, single pass and recirculating sand filters, peat filters, composting toilets, and greywater re-use systems. Composting toilet options could be advantageous on this site because they substantially reduce the overall flow that the system must treat and dispose of and reduce pathogens - critical concerns for this property. The ability of peat filters to reduce pathogens especially recommends them for this site. A good comparison of the available peat filters as well as some other pretreatment units can be found at: <http://www.epa.gov/region1/assistance/ceitts/wastewater/techs.html>. The property owner's consultant may have preferences for a pretreatment unit to complement the soil absorption system selected. I am available to provide further guidance as to how pretreatment options could be incorporated into a system design if requested by you, the property owner, or their consultant.

Soil Absorption Component

Based on soil descriptions and percolation tests a 0.8 gpd/sq.ft loading rate is recommended for trench bottoms. A trench 2 ft. wide is also recommended because the slope of the property would result in wider trenches being installed deeper. Trenches should be no deeper than 1.75 ft. to 2 ft. This may require mounding some soil over the finished trenches.

Plans and Specifications

A private consultant should then be retained by the property owner to provide final plans and specifications for the system. Once plans are complete, two sets of plans must be submitted to

Letter to: Mr. Robert Weber, Director
Re: Joseph Leister, Jr. Property
Page Three

the Onsite Systems Division of the Wastewater Permits Program and to the local Approving Authority for review before final approval to construct the system can be given

Agreement and Easement

An Agreement and Easement must be signed by all parties, recorded in the land records and returned to the local Approving Authority before permits to construct can be issued. The Agreement and Easement establishes the regulatory conditions associated with the experimental project and provides monitoring access for State and County personnel.

Linked Deposit

Financial assistance may be available for this project through MDE's Linked Deposit Program. Information concerning this loan program can be found at: http://www.mde.state.md.us/Programs/WaterPrograms/Water_Quality_Finance/Link_Deposit/index.asp, or by entering "linked deposit" in the search box on the MDE website at: www.mde.state.md.us.

A copy of the site evaluation data is enclosed. Please forward a copy of this letter and the attachments to the property owner. If you have questions regarding this matter please call me at (410) 537-4156.

Sincerely,

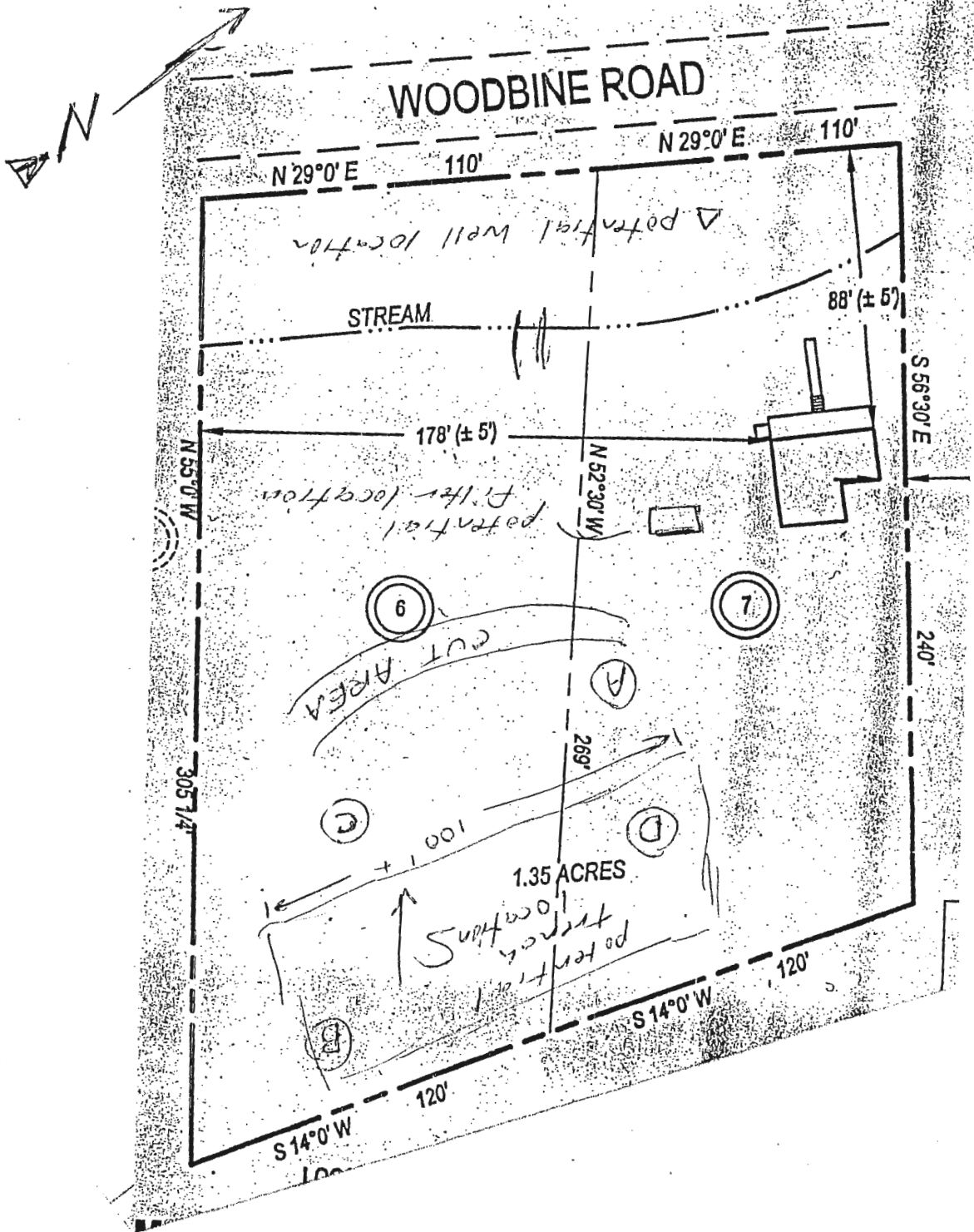


Barry Glotfelty, R.S., Regional Consultant
Onsite Systems Division
Wastewater Permits Program

Attachments

BG:je

cc: Mr. Eric Dougherty



OWNER: Leister, J.

COUNTY: Howard

DATE: _____

Notes: Show the following items:

1. Property boundaries and dimensions.
2. Road taper holes (AH), cesspits (CP), berling (B) and boxes (BX).
3. Slope percent and direction.
4. Existing and proposed buildings, driveway, swimming pool, basements and rights of ways on property.
5. Existing and proposed wells, septic systems, sewage disposal areas, ditches, water bodies and permanent nonwater control structures on property and within 150 feet of property lines.

From: Davis, Michael J
Sent: Tuesday, September 03, 2013 8:28 AM
To: Frances, Bob
Cc: Williams, Jeffrey; Mock, Don; Logan, Shari; Kelly, Sean
Subject: RE: 501 Woodbine Road

Good morning!

I am sending this for an investigation of work without a permit. And yes, the Health Department will not be able to approve a permit. Joseph and Sharon Leister were given that information in a letter on March 15, 2012.

Michael J. Davis
Assistant Director
Bureau of Environmental Health
Howard County Health Department

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From: Frances, Bob
Sent: Thursday, August 29, 2013 7:52 PM
To: Davis, Michael J
Cc: Williams, Jeffrey; Mock, Don; Logan, Shari; Kelly, Sean
Subject: RE: 501 Woodbine Road

Mike:

Is this one we are or should be aware of? Or are you sending this to investigate as possible work being done without a permit (while at the same time telling us you will not be able to sign off on a permit should they apply for one)?

Please let us know.

Thanks,

Bob

From: Davis, Michael J
Sent: Thursday, August 29, 2013 11:00 AM
To: Frances, Bob
Cc: Williams, Jeffrey
Subject: FW: 501 Woodbine Road

Bob,

After speaking with Steve for more details, I found out they are gutting this house. The site is not suitable for on-site sewage disposal, so the Health Department will not be able to approve a building permit for renovation of the unoccupied structure.

Michael J. Davis
Assistant Director
Bureau of Environmental Health
Howard County Health Department

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From: Steven Krieg -MDE- [<mailto:steven.krieg@maryland.gov>]
Sent: Wednesday, August 28, 2013 2:35 PM
To: Davis, Michael J; Williams, Jeffrey
Subject: 501 Woodbine Road

Mike/Jeff

drove by and looks like they are doing considerable work to this property. I know we red flagged the file and you sent a letter to the owner. Might want to look into it.

I'll be back next week.

--
Steven R. Krieg, REHS/RS
Regional Consultant

Onsite Systems Division
Wastewater Permits Program
Water Management Administration
Maryland Department of the Environment

Davis, Michael J

From: Steven Krieg -MDE- [steven.krieg@maryland.gov]
Sent: Thursday, August 29, 2013 9:29 AM
To: Davis, Michael J
Subject: Re: 501 Woodbine Road

Looks like they are gutting it. No more guts.

On Wed, Aug 28, 2013 at 3:05 PM, Davis, Michael J <mjdavis@howardcountymd.gov> wrote:

What type of work? Major enough to require a building permit? If so, I'll refer it to DILP.

From: Steven Krieg -MDE- [mailto:steven.krieg@maryland.gov]
Sent: Wednesday, August 28, 2013 2:35 PM
To: Davis, Michael J; Williams, Jeffrey
Subject: 501 Woodbine Road

Mike/Jeff

drove by and looks like they are doing considerable work to this property. I know we red flagged the file and you sent a letter to the owner. Might want to look into it.

I'll be back next week.

--

Steven R. Krieg, REHS/RS
Regional Consultant

Onsite Systems Division
Wastewater Permits Program
Water Management Administration
Maryland Department of the Environment

--

Steven R. Krieg, REHS/RS
Regional Consultant

Onsite Systems Division
Wastewater Permits Program

Davis, Michael J

From: Steven Krieg [skrieg@mde.state.md.us]
Sent: Thursday, March 15, 2012 9:50 PM
To: Davis, Michael J; Barry Glotfelty
Subject: Re: 501 Woodbine Rd.

Looks good. next to last paragraph you mention slope twice.

Otherwise I am ok if you send and so is Big Chief.

>>> "Davis, Michael J" 03/15/12 11:38 AM >>>

Barry/Steve,

Here is copy of the letter I drafted based on our conversation yesterday. I sent it as Word document, so feel free to make edits.

Michael J. Davis
Assistant Director
Bureau of Environmental Health
Howard County Health Department

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Davis, Michael J

From: Davis, Michael J
Sent: Friday, March 09, 2012 2:47 PM
To: 'Dan Iampieri'
Subject: RE: Land- 501 Woodbine Rd

Dan,

I found the file on the property and perc testing was performed in 2007. Maryland Department of the Environment issued a recommendation for an innovative system for the existing home only. The innovative system is not suitable for any expansion of the dwelling. I had someone visit the property as discussed and the house does not appear to be in a condition that it could be legally occupied. If a home is abandoned for three years, it may mean that a new home may not be constructed on the property. I've contacted our Regional Consultant at Maryland Department of the Environment to discuss this property. He is scheduled to be in Howard County next Wednesday to review the situation.

Michael J. Davis
Assistant Director
Bureau of Environmental Health
Howard County Health Department

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-----Original Message-----

From: Dan Iampieri [mailto:danthouseman@ymail.com]
Sent: Tuesday, February 28, 2012 11:54 AM
To: Davis, Michael J
Subject: Land- 501 Woodbine Rd

Mike,
We spoke yesterday regarding 501 Woodbine Rd, Woodbine MD 21797. The property doesn't currently have a well and septic.

The lot has an existing home that had toilets and sinks installed at some point in its history, conceivably with the hope of connecting to well and septic.

As the Realtor representing the owners, Joseph and Sharon Leister, we wish to determine the process and feasibility, per the Health Dept of Howard County, of having a well and septic placed on the property. We wish to know the viability of well and septic in the event the home can be renovated or for the construction of a new home.

Please advise what Howard County determines to:

Daniel Iampieri
Weichert Realtors Caton Properties
9339 Baltimore National Pike

Ellicott City, MD 21042
C. 443.540.0018
O. 410.465.8300
DanTheHouseMan@ymail.com

Davis, Michael J

From: Davis, Michael J
Sent: Monday, March 05, 2012 9:31 AM
To: SKrieg@mde.state.md.us
Cc: Rappaport, Ryan
Subject: FW: Pictures of 501 Woodbine Road
Attachments: Complaints 03012012 021.jpg; Complaints 03012012 001.jpg; Complaints 03012012 002.jpg; Complaints 03012012 003.jpg; Complaints 03012012 004.jpg; Complaints 03012012 005.jpg; Complaints 03012012 006.jpg; Complaints 03012012 007.jpg; Complaints 03012012 008.jpg; Complaints 03012012 009.jpg; Complaints 03012012 010.jpg; Complaints 03012012 011.jpg; Complaints 03012012 012.jpg; Complaints 03012012 013.jpg; Complaints 03012012 014.jpg; Complaints 03012012 015.jpg; Complaints 03012012 016.jpg

Steve,

I was contacted by a real estate agent regarding this property. The Health Department received an application for a repair back in 2001 to accommodate the installation of indoor plumbing, but no testing was performed. In 2007 testing was performed and Barry came up with a shallow trench with pretreatment or a holding tank if they comply with RS 7. Based on Ryan's site visit, the property is not owner/legally occupied and does not appear in a condition that it could be legally occupied. Therefore, RS 7 essentially eliminates any possibility of redevelopment. Do you concur?

How would you like to proceed? I'd like to get back to the real estate agent fairly quickly because the property is being advertised as "Build your dream home!"

Michael J. Davis
Assistant Director
Bureau of Environmental Health
Howard County Health Department

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From: Rappaport, Ryan
Sent: Monday, March 05, 2012 8:59 AM
To: Davis, Michael J
Subject: Pictures of 501 Woodbine Road

Mike,

Attached are the pictures of the property. Please let me know if there is any way that I can help you moving forward.

Ryan Rappaport
Environmental Sanitarian Trainee

Howard County Health Department
Bureau of Environmental Health
7178 Columbia Gateway Drive
Columbia, MD. 21046
Phone (410) 313-1781
Fax (410) 313-2648
rrappaport@howardcountymd.gov
www.co.ho.md.us

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-77°3.52"



39°21'25"

39°21'25"

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-77°3.52"



 **Howard County**
M A R Y L A N D

By:
Office:
Map Width: 969.90 ft.
Print Date: 2/28/2012

-77°3.'23"



39°21'87"



39°21'87"

-77°3.'23"

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Howard County
M A R Y L A N D

By:
Office:
Map Width: 910.00 ft.
Print Date: 3/1/2012
Scale: 1 in. = 100 ft.