

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

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

RECEIPT DATE: 12/5/17 **ONSITE SEWAGE DISPOSAL SYSTEM** P 562349
 APPROVAL DATE: 1/19/18 **PERMIT: CONSTRUCTION** A _____
 PROPERTY ADDRESS: 11859 Lime Kiln Road
 SUBDIVISION: _____ LOT: _____ TAX ID: 05-342899
 CONTRACTOR: T & R Plumbing and Heating EMAIL: _____
 CONTRACTOR ADDRESS: P.O. Box 57, Lisbon, MD 21765 PHONE: 410-489-7776

CONTRACTOR CERTIFIED FOR BAT INSTALLATION: MDE MANUFACTURER:

PROPERTY OWNER: Surjit Singh and Kamaljit Kaur EMAIL: _____
 OWNER ADDRESS: 2634 Raptor Drive, Odenton, MD 21113 PHONE: _____

BAT UNIT MODEL: Hoot 600 BNR PUMP SIZE: 0.5* PUMP TANK CAPACITY: 1500

OPERATION & MAINTENANCE AGREEMENT DATE SIGNED: 12/1/17 DATE RECORDED: 12/1/17

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 4 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>76</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>6.5</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	Goulds 33EB05 "Blaster" pump recommended by designer. Use 1.5 laterals and 5/16" perforations.	

ISSUED BY: Robert Bricker ISSUE DATE: 12/5/17 EXPIRATION DATE: 12/5/18

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM
 ELECTRICAL PERMIT ISSUED E 17004300
- NOTE: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

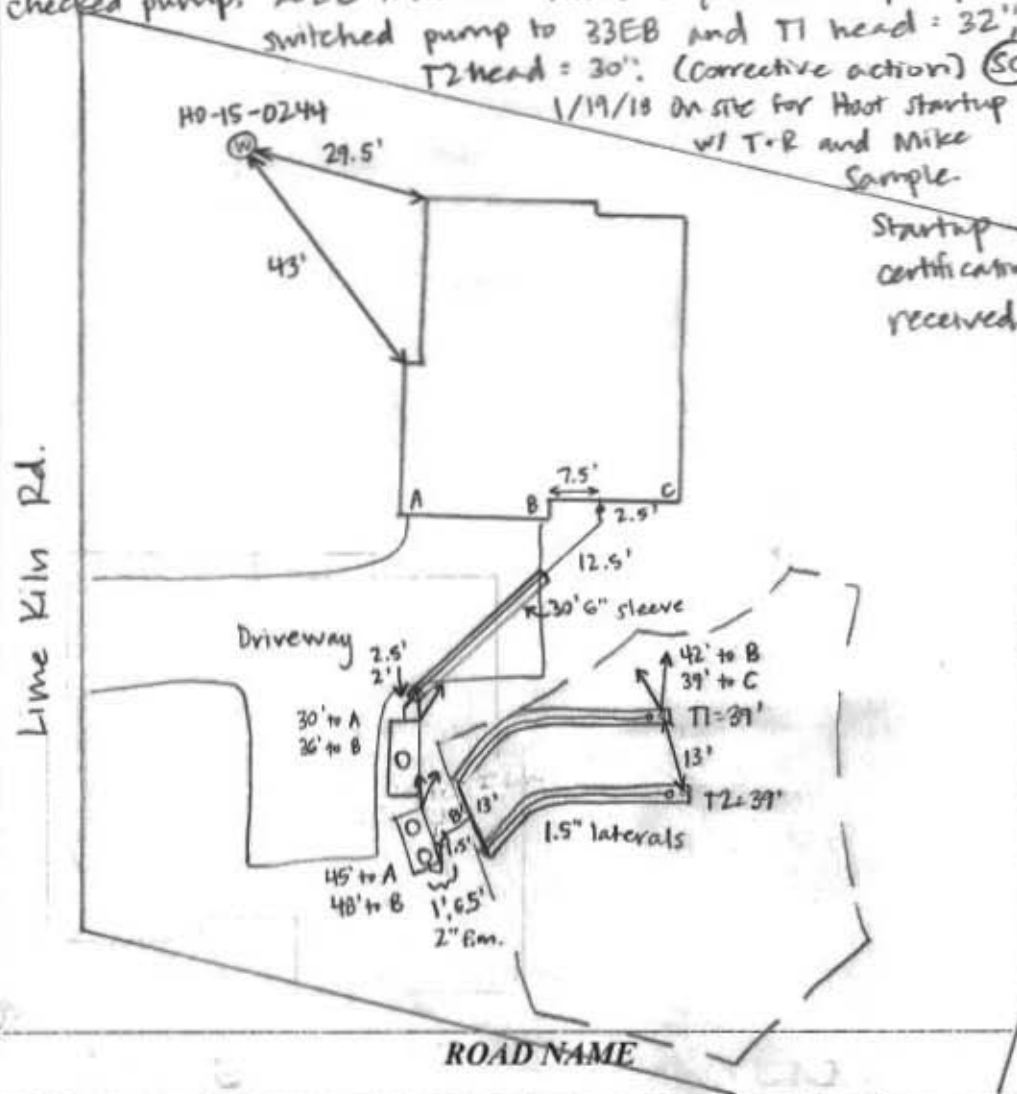
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.
 CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

NOT TO SCALE

(1/13/18 cont'd) Hoot recirc. line frozen - can't startup. Alarm sounds, pump initially gives 10.5" lateral head @ T1 and 20" @ T2. Checked pump. 20EB installed. Plans require 33EB pump - switched pump to 33EB and T1 head = 32" T2 head = 30". (Corrective action) (SC)

1/19/18 on site for Hoot startup w/ T-R and Mike Sample.

Startup certification received (SC)



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	6.5'
NUMBER OF TRENCHES		2
TOTAL LENGTH		78'
ABSORPTION AREA		234' + SIDEWALL
DISTRIBUTION BOX LEVEL		_____
DISTRIBUTION BOX BAFFLE		_____
DISTRIBUTION BOX PORT		_____

SEPTIC TANK I LEVEL	
SEPTIC TANK I LEVEL	YES
MANUFACTURER	HOOT/MAYER BROS.
CAPACITY	1500 GAL
SEAM LOC	TDP
TANK LID DEPTH	1.5-2'
BAFFLES	YES
BAFFLE FILTER	NO
MANHOLE LOC	MIDDLE
6" PORT LOC	NONE
WATERTIGHT TEST	NO
SLOTTED	NO
DATE ON LID	_____

PUMP/SEPTIC TANK LEVEL	
PUMP/SEPTIC TANK LEVEL	YES
MANUFACTURER	HOOT/MAYER BROS.
CAPACITY	1 GAL
SEAM LOC	TDP
TANK LID DEPTH	1.5-2'
BAFFLES	NO
BAFFLE FILTER	NO
MANHOLE LOC	FRONT + REAR
6" PORT LOC	NONE
WATERTIGHT TEST	NO
SLOTTED	NO
DATE ON LID	_____
Pump: 33EB	

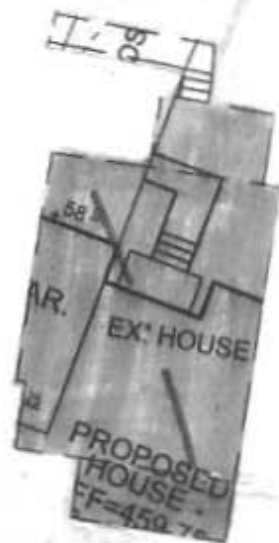
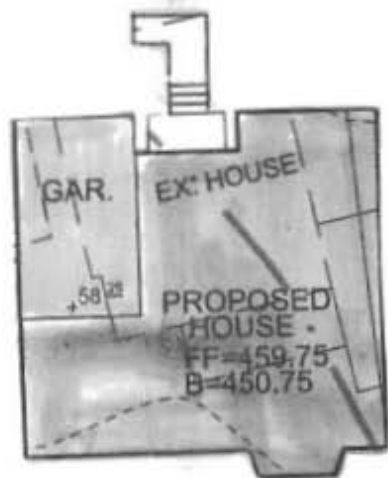
PRE-CONSTRUCTION:

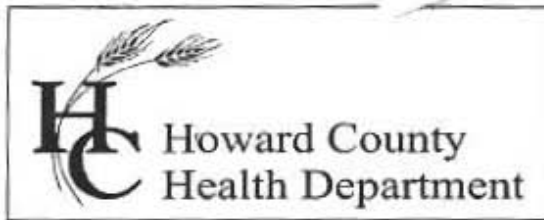
12/14/17 Scheduled Follow up this actually layout. Call for reschedule. (SC)
 12/15/17 Met T-R on site for layout. Tanks, SDA corners + trenches staked. Fill over SDA - dug to find original grade. 14-16" fill total, must be removed from SDA + trenches restaked. OK to install tanks. (SC) 12/21/17 Met T-R on site for trench layout. Original grade restored. SDA + trenches staked. Shot contour + adjusted stakes slightly. (SC)

INSTALLATION: 12/18/17 Tanks set. Fill removed from SDA, trenches not yet restaked. (SC) 12/20/17

House connection made, sewer line installed from house to tank with a 6" sleeve under the driveway. (SC) 12/21/17 T1 dug. T-R adding stone. 3' inlet, 3' wide, 6.5' bottom. Used laser to check depths. More fill over middle of trench ~12". Start + end are approx. at original grade. (SC) 12/22/17 T1 dug + stoned, pipe installed. Measured distance between perforations, all 3.45'. First hole a few inches past 1.75' ble T1 is > 30'. 3' wide, 3' inlet. T-R adding stone + pipe to T2. (SC) 12/22/17 T2 finished + perforations drilled. 3' wide, 3' inlet of trenches; perforation spacings correct. Need BAT startup certification and pump + alarm test. (SC) 1/13/18 on site for Hoot startup and pump + alarm test.

FINAL INSPECTOR Sarah Collins DATE OF APPROVAL 1/19/18





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

April 18, 2017

To: Stephen Forney
HRBuilder@comcast.net

RE: BAT Site Plan comments; 11859 Lime Kiln Road

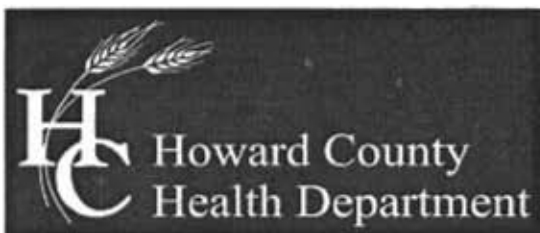
Stephen,

I have completed review of the BAT Plan for the proposed Singh residence at 11859 Lime Kiln Road. I identified several issues that will require a revision of the plan for correction. The issues are as follow:

1. The plan I received (Ernst Environmental Services, Inc., 7/8/2106) is only at about 98.5 % of the labeled scale. All plans submitted to the Bureau for review must be presented at the stated scale.
2. The configuration of the sewage disposal area (SDA) was revised in January 2017. The SDA illustrated on the BAT Plan must match the configuration on the most recent Percolation Certification Plan.
3. The HOOT system tanks are proposed for installation in the SDA. The SDA is very limited and it is possible to locate the tanks elsewhere.
 - a. The tanks should be installed at a location other than within the SDA.
 - b. Also, there needs to be at least 5 feet of separation between the tanks and the wall of a trench.
 - c. The Total Dynamic Head will have to be recalculated.
4. The laterals' inverts for the initial system are proposed at only 1.5 feet depth.
 - a. The laterals should be installed at 3 feet depth.
 - b. Revisions of the Lateral Profile and the Hydraulic Profile are needed.

Submit at least three copies of the revised BAT Plan to my attention at the Bureau of Environmental Health. Questions or concerns about these comments may be directed to me at 410-313-2691 or by email.

Respectfully,



Bureau of Environmental Health

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

MEMORANDUM

TO: Ernst Environmental Services

FROM: Jeff Williams
Program Supervisor, Well & Septic Program

RE: BAT Plan, 11859 Lime Kiln Road

DATE: July 26, 2016

I have reviewed the BAT plan for the proposed house at 11859 Lime Kiln Road and have the following comments for revision:

- The plan must be signed/stamped by the professional engineer who designed the plan.
- The house location is less than 30 feet from the well
- The house location is less than 20 feet from the BAT tank.
- The line indicating the house wall nearest the BAT tank is smudged, making it unable to discern its true location.
- The tanks may not be located within the sewage disposal area.
- The sewage disposal area does not match the most recently signed perc certification plan.
- The design pump output is not representative of the output on the curve for the chosen pump. Based on the total dynamic head for the system, the pump chosen will discharge approximately 45 gallons per minute. However, the discharge falls on the far edge of the pump curve. Choosing a different pump may allow for the discharge to fall more appropriately along the pump curve.
- Remove all perc certification notes along the side of the plan and add the required BAT plan notes in their place. Additional information from the supplemental packet may then fit on the plan. Ideally, all information would be placed on the plan itself.
- Please note that a BAT plan will not receive final approval from our office until the existing wells at 11865 Lime Kiln Road are properly sealed by a licensed well driller and our office has approved the abandonment report. Also, a building permit application with associated floorplans must be submitted showing a similar house location and number of bedrooms prior to final approval of the BAT plan.

Robert Bricker, REHS/R.S., L.E.H.S.
Environmental Health Specialist
Well and Septic Program

Copy: file

Bricker, Robert

From: Bricker, Robert
Sent: Wednesday, May 10, 2017 10:35 AM
To: 'COMCAST'
Subject: RE: 11859 Lime Kiln Road_revisions status

Steve,

I have received a Transmittal Form and floor plan revision from DILP. I have also received a Transmittal Form and revised Plot Plan from DILP. The revised floor plan is approvable; the revised Plot Plan is not approvable. A parking area and retaining wall have been added to the Plot Plan. The locations of these structures are in conflict with the location of the pre-treatment system tank.

A revision of the Plot Plan is required. Please have Mr. Ernst work with Paul Sill's group to move the tanks away from the parking area and retaining wall. Mr. Ernst may come to the Bureau of Environmental Health and redline the revised tank locations on the plan he developed. It would be desirable that he also bring one or two copies of the plan that he developed.

As no other structures or facilities are affected by the revised tank locations, the Plot Plan revision may be submitted directly to the Bureau, to my attention.

Robert Bricker, REHS/RS, L.E.H.S.

From: COMCAST [<mailto:hrbuilder@comcast.net>]
Sent: Tuesday, May 09, 2017 4:32 PM
To: Bricker, Robert
Subject: Re: 11859 Lime Kiln Road_revisions status

Mr. Bricker, I took another set of the revised drawings down to the Permit Counter and Dan's and Plan Review said he would have them sent down to you yesterday I guess iner office, i'll check on them to see if they sent them down.

Sent from my iPhone

On May 5, 2017, at 9:37 AM, Bricker, Robert <RBricker@howardcountymd.gov> wrote:

Steve,

DILP has posted the Plot Plan revision in the permitting software. I have not received a transmittal sheet with copy of the revised floor plan from them.

ROBERT BRICKER, REHS/R.S., L.E.H.S.
ENVIRONMENTAL SANITARIAN II
BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
8930 STANFORD BLVD., COLUMBIA, MD 21045

Phone: Desk, 410-313-2691; Program, 410-313-1771; Bureau, 410-313-1774
Fax: 410-313-2648

E-mail: rbricker@howardcountymd.gov

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<11859 Lime Kiln BAT plan memo.pdf>

Williams, Jeffrey

From: Williams, Jeffrey
Sent: Wednesday, July 27, 2016 10:22 AM
To: Stephen Forney (hrbuilder@comcast.net)
Cc: Bricker, Robert
Subject: 11859 Lime Kiln Rd
Attachments: 11859 Lime Kiln BAT plan memo.pdf

Hi Steve. Attached are my comments after reviewing the BAT plan for 11859 Lime Kiln. I do not have an email address for the designer. Please pass along the attached memo for them to see the comments. Thanks

Jeff Williams
Program Supervisor, Well & Septic Program
Bureau of Environmental Health
Howard County Health Dept.
410-313-4261
jewilliams@howardcountymd.gov

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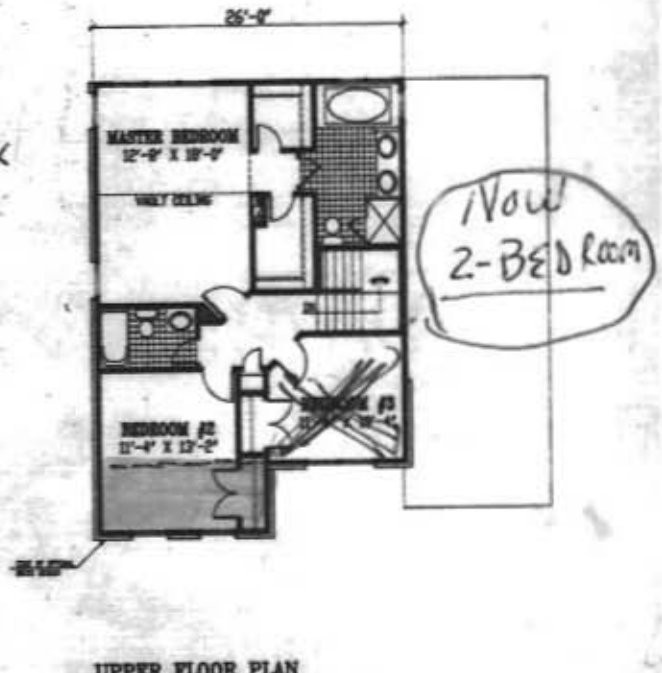
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Plan 630 A

2002 Total Sq.Ft.



Note: This plan available with brick or siding exterior finish.



WAS 2002' Now 1734'

To order Call Toll Free 1-800-722-2432. HOURS: 8AM - 6PM MON.-FRI. EST (VISA and MasterCard ACCEPTED)

Williams, Jeffrey

From: Williams, Jeffrey
Sent: Friday, September 08, 2017 2:31 PM
To: Stephen Forney (hrbuilder@comcast.net)
Cc: Bricker, Robert
Subject: RE: 11855 Lime Kiln Road

Hello Stephen. I reviewed the plans you dropped off. As referenced in the email below, the only way to avoid the requirements for upgrade of the existing sewage disposal system or establishment of a sewage disposal area is to not increase square footage, number of bedrooms, or living space.

The proposal you sent to me appears to increase the square footage and living space compared to the existing. What you sent was a bit unclear, but is the existing basement finished or unfinished? You list the existing 1st and 2nd floor at 1320 sq ft. Your proposed house is 1734 sq ft not counting any basement (is there a basement and is it finished?). Any increase in square footage or living space or bedroom count would trigger the requirement for a sewage disposal area and this property does not have an approved sewage disposal area as long as the property at 8020 Hunterbrooke still has the existing downgrade well. An increase in living space or bedroom count would also trigger a requirement to upgrade the sewage disposal system with a BAT unit, which cannot happen until the disposal area is able to be used after the well at 8020 Hunterbrooke is relocated.

Lastly, before we could approve any building permit, we would need to have the existing septic tank located, pumped out, and inspected for its condition and construction. If it were of a construction that could be a public health nuisance, such as a metal tank, we would require that to be changed. We would also need to see that exact tank location on the plot plan to ensure that the new house location is at least 20' away.

From: Williams, Jeffrey
Sent: Thursday, July 27, 2017 2:55 PM
To: Stephen Forney (hrbuilder@comcast.net)
Cc: Bricker, Robert
Subject: 11855 Lime Kiln Road

Hi Stephen. Regarding 11855, you know that the perc cert requires the neighbor's well at 8020 Hunterbrooke to be moved before the sewage disposal area can be used on this lot.

That said, according to our County Code and the State regulations, if you propose to tear-down/rebuild so that there is no increase in living space, square footage, or number of bedrooms, we would have no authority to require a repair area or evaluate the septic system. You could move the footprint of the house under those constraints, but the footprint would need to meet our setbacks to the well and the septic system. What we would need for a building permit are floorplans for the existing and proposed house, a site plan showing the house location and the well/septic stuff, and we would need a water sample from the well showing passing potability.

Let me know if you have any questions regarding any of that. Thanks

Jeff Williams
Program Supervisor, Well & Septic Program
Bureau of Environmental Health
Howard County Health Dept.
410-313-4261

jewilliams@howardcountymd.gov

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Jeffrey Williams <jewilliams@howardcountymd.gov>

7/27/2017 2:55 PM

11855 Lime Kiln Road

To Stephen Forney (hrbuilder@comcast.net) <hrbuilder@comcast.net> Copy

Robert Bricker <rbricker@howardcountymd.gov>

Hi Stephen. Regarding 11855, you know that the perc cert requires the neighbor's well at 8020 Hunterbrooke to be moved before the sewage disposal area can be used on this lot.

* That said, according to our County Code and the State regulations, if you propose to tear-down/rebuild so that there is no increase in living space, square footage, or number of bedrooms, we would have no authority to require a repair area or evaluate the septic system. You could move the footprint of the house under those constraints, but the footprint would need to meet our setbacks to the well and the septic system. What we would need for a building permit are floorplans for the existing and proposed house, a site plan showing the house location and the well/septic stuff, and we would need a water sample from the well showing passing potability.

Let me know if you have any questions regarding any of that. Thanks

Jeff Williams

Program Supervisor, Well & Septic Program

Bureau of Environmental Health

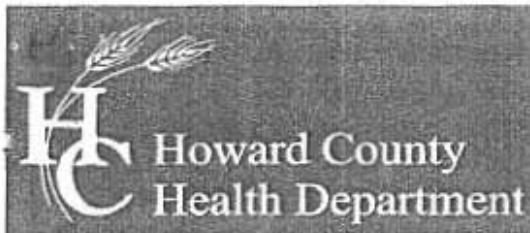
Howard County Health Dept.

410-313-4261

jewilliams@howardcountymd.gov

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

**OPERATION AND MAINTENANCE AGREEMENT
FOR AN ON-SITE SEWAGE DISPOSAL SYSTEM
HAVING AN ADVANCED PRE-TREATMENT SYSTEM**

THIS AGREEMENT is made this 1ST day of DECEMBER, among SARIT SINGH, hereinafter collectively referred to as "Owner", and the Howard County Health Department hereinafter referred to as the "County".

WHEREAS, Owner is the owner or contract owner of a parcel of land located at 11859 Lime Kiln Rd, in the 5TH Election District of Howard County, Maryland, and the deed and subdivision plat of the property is recorded among the Land Records of Howard County, Maryland, Tax Map # 46, Block # , Parcel # 183, Deed Reference # 15902/152 and Tax Account # ("the Property").

WHEREAS, The Property is suitable for the installation of a conventional on-site sewage disposal system with an advanced pre-treatment system, utilizing best available technology to perform nitrogen reduction, in accordance with the Code of Maryland Regulations 26.04.02.07, effective January 1, 2013. The pre-treatment device being installed is HOOT BNR600.

NOW, THEREFORE, the parties hereto agree as follows:

A. Owner hereby grants to the County the right to enter upon the Property at any reasonable time with prior notice for access to the system to make periodic inspections and the Owner agrees to provide any information and data in Owner's possession reasonably requested and needed by the County.

B. Owner acknowledges and agrees that neither the County nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.

C. The Owner will devote reasonable care and effort to the operation and maintenance of the system in perpetuity or until a public sewer connection is made so that a system malfunction is not the result of poor maintenance, faulty operation, or neglect.

D. The Owner agrees to enter into a contract reasonably acceptable to the Owner and the County with a private entity to operate and maintain on a regularly scheduled basis an approved advanced pre-treatment system. The owner shall supply a copy of the contract to the County when it is renewed or altered.

E. This agreement shall run with the land and upon Owner's taking title to the Property shall bind the Owner, their heirs, successors, and assigns to the provisions of the agreement as long as the property is in existence and after installation of the system. Owner further agrees that they shall inform in writing any subsequent purchaser or lessee of the Property that the system shall require maintenance or other attention. Upon taking title to the Property, the Owner agrees to cause this agreement to be recorded in the Land Records of Howard County and assure that it becomes part of the Deed for the subject property in order that prospective buyers may be aware of the special conditions affecting this property.

F. This agreement shall not be construed to limit any authority of the County to protect the public health, safety or comfort or to issue any other orders to take any other action which is now or may hereafter be within its authority.

G. This agreement may be voided at any time at the discretion of the County.

H. This agreement contains the entire agreement and understanding between the County and the Owner. There are no additional terms other than as contained in this agreement. This agreement may not be modified, except in writing signed by each of the parties or by their authorized representatives.

I. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

J. Owner acknowledges and agrees that interior renovations to increase the number of bedrooms or an increase in living space shall not be permitted without approval from the County.

IN WITNESS WHEREOF, the parties have signed and sealed this agreement on the date indicated above.

Bert Nufar 12/1/2017
Howard County Health Department

Signature 12-01-17

Owner #1 Signature Date

Surjit Singh
Owner #1 Print Name

Buyer #1 Signature Date

Buyer #1 Print Name

Owner #2 Signature Date

Owner #2 Print Name

Buyer #2 Signature Date

Buyer #2 Print Name

Martin, Sharhonda

From: COMCAST <hrbuilder@comcast.net>
Sent: Monday, December 04, 2017 11:45 AM
To: Martin, Sharhonda
Subject: Receipt for 11859 maintenance agreement



Sent from my iPhone