

Bureau of Environmental Health  
 7178 Gateway Drive Columbia, MD 21046  
 (410) 313-2640 Fax (410) 313-2648  
 TDD (410) 313-2323 Toll Free 1-866-313-6300  
 website: www.hchealth.org

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

RECEIPT DATE: 3/11/14 **ONSITE SEWAGE DISPOSAL SYSTEM** P 546273

INSTALLATION APPROVAL DATE: 2/29/14 **PERMIT** A \_\_\_\_\_  
 (KAW)

**CONSTRUCTION**

PROPERTY ADDRESS: 12303 Pleasant View Drive

SUBDIVISION: Fulton Manor II LOT: 2 TAX ID: 05-595836

CONTRACTOR: Trinity Quality Homes EMAIL: \_\_\_\_\_

CONTRACTOR ADDRESS: 3675 Park Avenue Ste. 301, Ellicott City, MD 21043 PHONE: 443-324-9806

PROPERTY OWNER: Sachin Vakil EMAIL: \_\_\_\_\_

OWNER ADDRESS: 924 E. Pratt Street, Baltimore, MD 21202 PHONE: \_\_\_\_\_

BAT UNIT MODEL: NOREWECO low profile Singulair BAT UNIT SIZE: TNT LP-500 GPD

PUMP CHAMBER CAPACITY (GALLONS): \_\_\_\_\_ PUMP SIZE: \_\_\_\_\_

NUMBER OF BEDROOMS: 4 HOUSE SQ. FT. 5045 APPLICATION RATE: 0.8

DISTRIBUTION SYSTEM: GRAVITY FED  LOW PRESSURE DOSED

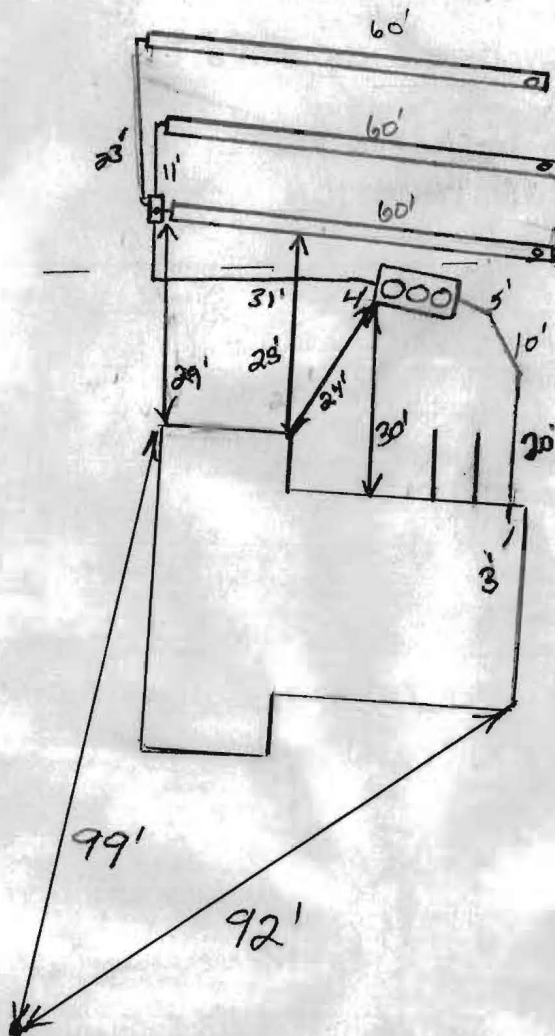
TRENCHES:	LINEAR FEET REQUIRED: <u>177</u>	INLET DEPTH: <u>4</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>7</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>9</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>5.5</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	Set BAT unit per plan. Set distribution box in upper SDA at center per plan. Install 3 x 59' trenches on contour in upper SDA. Install 10 feet of SHC before BAT unit at 1% -2.5% grade.	

ISSUED BY: Robert Bricker ISSUE DATE: 3/11/14 EXPIRATION DATE: 3/11/15

- 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

**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



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	4'	7'
NUMBER OF TRENCHES		3
TOTAL LENGTH		180'
ABSORPTION AREA		540' + SW
DISTRIBUTION BOX LEVEL		Level
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

NORWECO SINGULAIR TNT		
CAPACITY	TNT	GAL
SEAM LOC	Top	
TANK LID DEPTH	2'	
BAFFLES	no	
BAFFLE FILTER	-	
MANHOLE LOC	Front/Under	Room
6" PORT LOC	none	
WATERTIGHT TEST	-	
BLOWER TEST		
BLOWER ALARM TEST		

PUMP TANK LEVEL	N/A	
CAPACITY		GAL
SEAM LOC		
TANK LID DEPTH		
BAFFLES		
MANHOLE LOC		
6" PORT LOC		
WATERTIGHT TEST		
PUMP TEST		
PUMP ALARM TEST		

PRE-CONSTRUCTION:

7/2/2014 Layout done. Install system resembling BAT plan. (BB)

INSTALLATION:

7/3/14 System complete. D box leveled. BAT unit set per plan. Grade to be raised near house over SHC. OK to cover. Need BAT start-up (Kaw) 7/29/14 BAT start-up certification report received. 9/26/14 stopped on-site. BAT system working.

FINAL INSPECTOR

*H. Wolf*

DATE OF APPROVAL

7/29/14

# Back River Pre-Cast, LLC

PO BOX 329

Glyndon, MD 21071

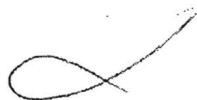
Phone # 410-833-3394

Fax # 410-833-4116

## Letter of Certification

This is to certify that the Norweco Singlair TNT 600 GPD Septic Tank installed at 12303 Pleasant View Dr., Highland, MD 20777 July 2, 2014 was installed according to the manufacture's specifications.

Installer: Bruce Bopst

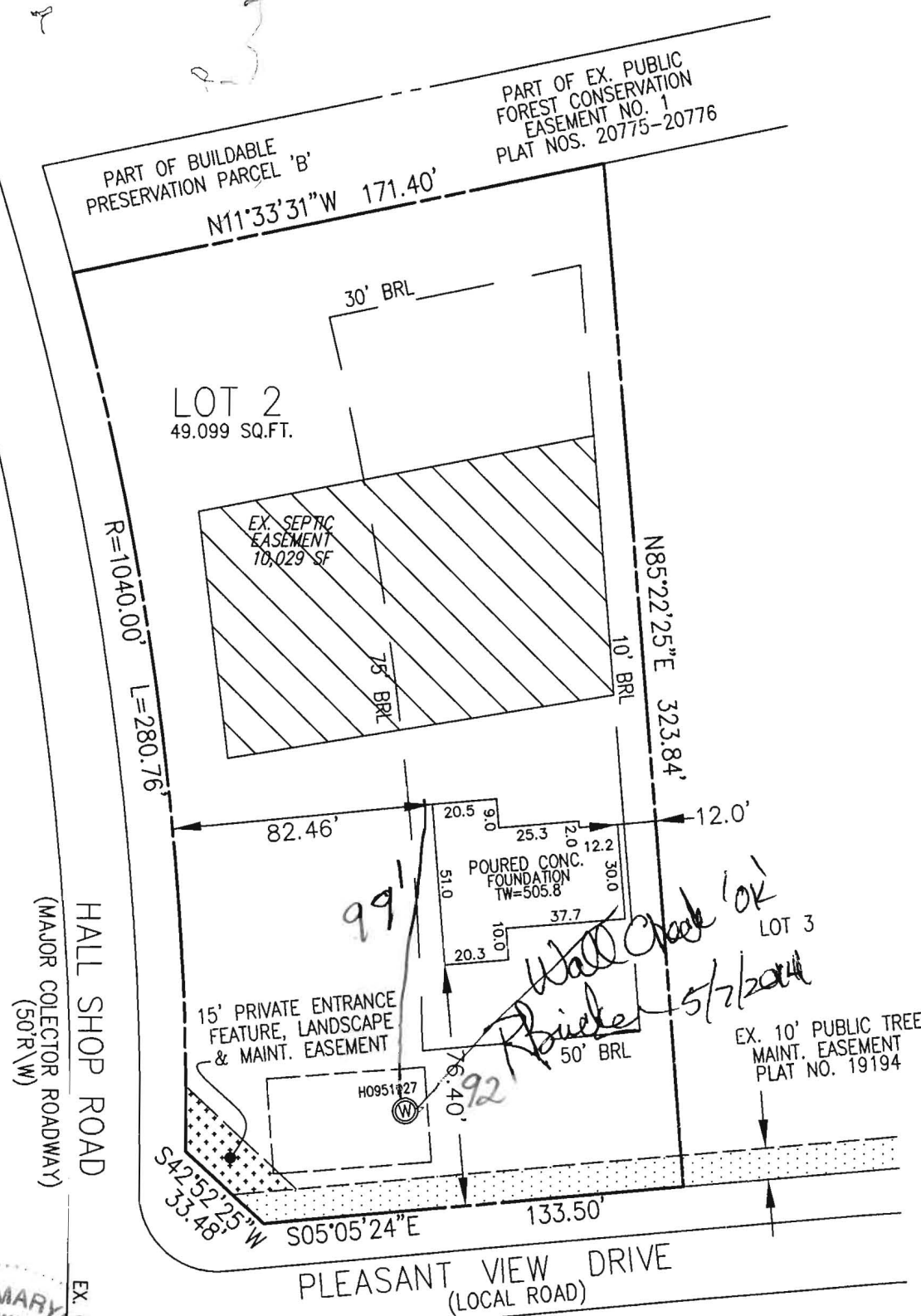


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MATTHEW GECKLE

Vice-President

THIS WALL CHECK DRAWING CONTAINS A HORIZONTAL TOLERANCE IN ACCURACY OF 0.1' AND A VERTICAL TOLERANCE IN ACCURACY OF 0.2'



I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN AND THERE ARE NO ENCROACHMENTS EXCEPT AS SHOWN.

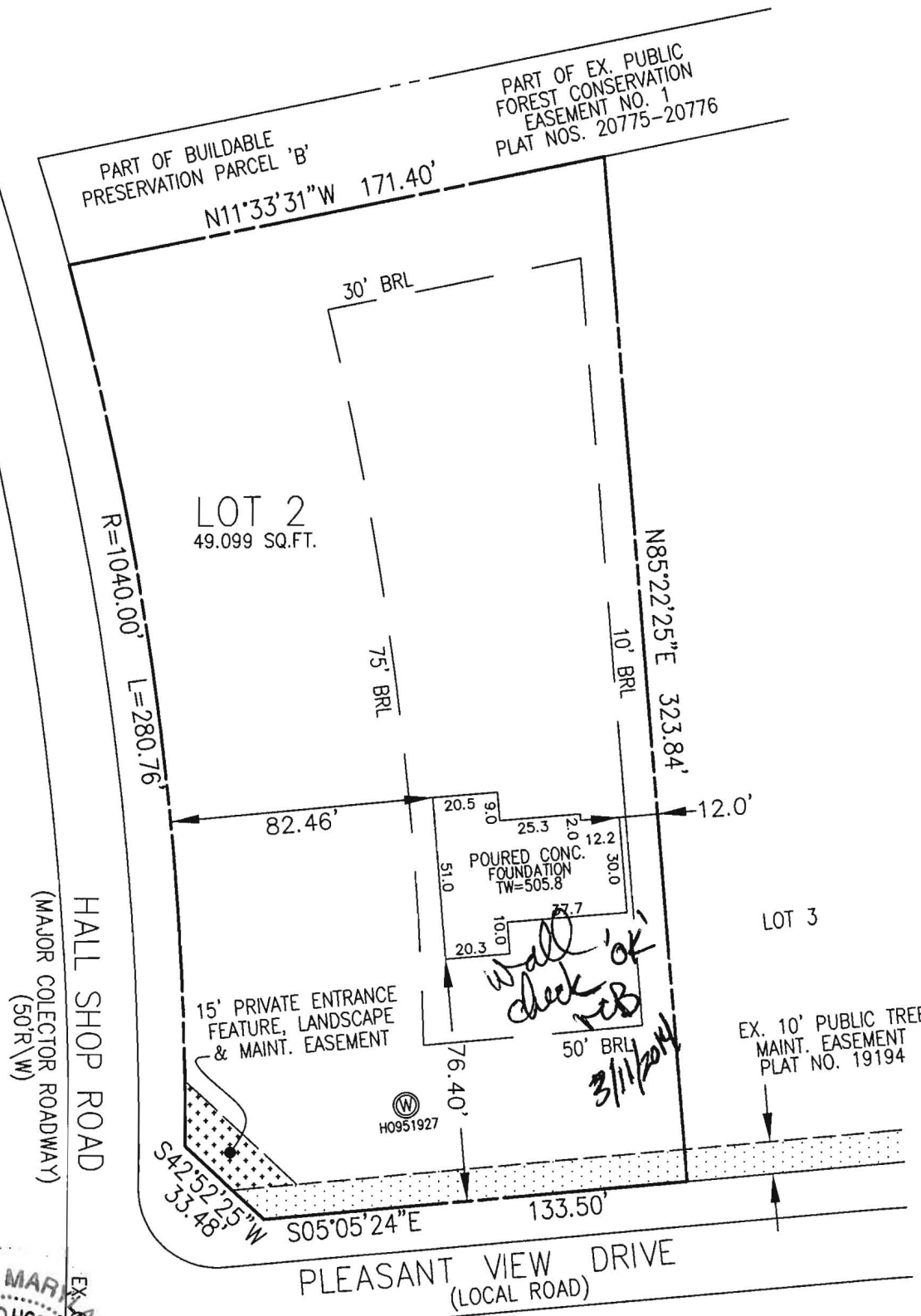
*Thomas M. Hoffman*  
 THOMAS M. HOFFMAN JR., PROPERTY LINE SURVEYOR #267 DATE **5.07.14**

PROFESSIONAL CERTIFICATION; I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROPERTY LINE SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 267, EXPIRATION DATE JULY 28, 2014.

BUILDING PERMIT #13004591

SCALE 1" = 50'	DATE 03/11/14	ROBERT H. VOGEL ENGINEERING, INC. ENGINEERS - SURVEYORS - PLANNERS 8407 MAIN STREET ELLICOTT CITY, MARYLAND 21043 TEL:410-461-7666 FAX:410-461-8961	WALL CHECK DRAWING 12303 PLEASANT VIEW DRIVE LOT 2 FULTON MANOR II PLAT NO. 22479 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DRAWN BY R.E.D.	CHECKED BY T.M.H.		
PLAT NUMBER 22479-22481	JOB NUMBER 13-33.00		

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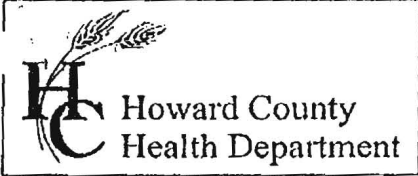
*Thomas M Hoffman*  
 THOMAS M. HOFFMAN JR., PROPERTY LINE SURVEYOR #267 DATE **3.11.14**

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FULTON MANOR  
 LOTS 1 - 3  
 PLAT NO. 11255

BUILDING PERMIT #13004591

SCALE 1" = 50'	DATE 03/11/14	ROBERT H. VOGEL ENGINEERING, INC. ENGINEERS - SURVEYORS - PLANNERS 8407 MAIN STREET ELLICOTT CITY, MARYLAND 21043 TEL: 410-461-7666 FAX: 410-461-8961	WALL CHECK DRAWING 12303 PLEASANT VIEW DRIVE LOT 2 FULTON MANOR II PLAT NO. 22479 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
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Maura J. Rossman, M.D., Health Officer

000101

LIBER 15776 FOLIO 49

**AGREEMENT FOR APPROVAL OF AN INDIVIDUAL DRINKING WELL WITH AN ON-SITE TREATMENT SYSTEM**

This agreement is entered into by and between the Howard County Health Department ("the Health Department") and Arti Sachin & Subin Suresh Vakil ("the Owner").

WHEREAS, the Owner owns a tract of land at street address 12303 Pleasant View Drive, Highland, MD 20777 and the deed and subdivision plat of the property is recorded among the Land Records of Howard County, Maryland, Tax Map # 40, Grid # 6, Parcel # 205, Deed Reference # 15437/00278 and District # 05, Tax Account # 595836, Fulton Manor II subdivision, Lot 2 ("the Property").

WHEREAS, the Property lacks an available public drinking water source and is required to have an individual well as the source of drinking water for the residence of the property.

WHEREAS, the Owner has installed a residential drinking well under well permit HO-95-1927 that has been tested by the Health Department (or a private laboratory certified to perform testing) for radionuclide particles. The results of the tests have shown that the gross alpha particle content and/or the gross beta particle content and/or the combined radium 226/228 levels exceeds the standards of 15 picocuries per liter (pCi/L), 4 millirems per year (mrem/yr) and/or 5pCi/L respectively.

WHEREAS, The Maryland Department of the Environment (MDE) has promulgated rules and regulations under which a Certificate of Potability may be issued and has delegated the authority to issue such Certificate to the Health Department.

WHEREAS, MDE regulations permit the Health Department to issue as a special condition, a permanent deviation to the Certificate of Potability for individual wells where treatment has been installed to meet the maximum contaminate levels (MCL<sup>2</sup>s) for radionuclides.

WHEREAS, MDE has determined that radium can be effectively removed from the drinking water by the use of treatment devices (e.g., ion exchange or reverse osmosis).

WHEREAS, the Owner is requesting that the Health Department issue a Certificate of Potability contingent upon installation and maintenance of a water treatment device to reduce radionuclides.

WHEREAS, neither the Owner nor the Health Department has knowledge of an alternative safe source of water for the Property.

*[Faint, illegible text, possibly a stamp or signature area]*

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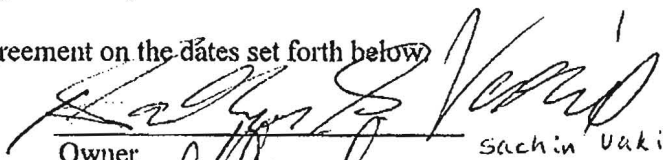
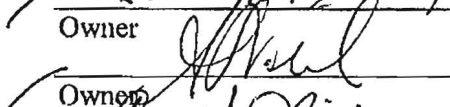
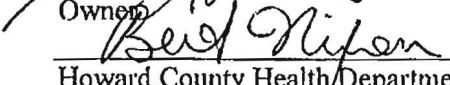
LIBER 15776 FOLIO 450


NOW THEREFORE, the parties have agreed to the following terms and conditions:

1. The Owner will record this Agreement among the Land Records of Howard County, Maryland and provide confirmation to the Health Dept.
2. The Owner agrees to install and maintain a water treatment device, which effectively reduces the gross alpha, gross beta and radium levels to below their respective MCL. The Health Department shall verify that the treatment device is operating effectively and the Owner agrees to allow access to the Health Department to collect a follow-up sample(s).
3. The Health Department shall issue a Certificate of Potability for the well once follow-up sampling shows acceptable gross alpha, gross beta (short and long term) and radium 226 / 228 levels.
4. The Owner agrees that there shall be no liability on part of the Health Department for any immediate or long term impacts to health or property, under any circumstance or including, but not limited to, treatment device failure, improper maintenance or installation, or defect. The Health Department does not warrant nor guarantee that the device will adequately or properly function and the Owner agrees to implement and pay for any necessary changes or corrections.
5. The Owner acknowledges and agrees that neither the Health Department nor any of its agents or employees, either officially or individually, underwrites the operation of any system or treatment device.
6. This Agreement shall not be construed to limit any authority of the Health Department to protect the public health, safety or enjoyment of property or to issue any other orders to take any other action, which is now or may hereafter be within its authority.
7. This agreement contains the entire agreement and understanding between the Health Department 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 their authorized representatives.
8. The Agreement shall run with the land and binds the Owner, his heirs, successors, and assigns. The owner agrees to provide a copy of this agreement to any purchaser or lessee of the property.
9. The laws of the State of Maryland govern the provisions of all transactions.

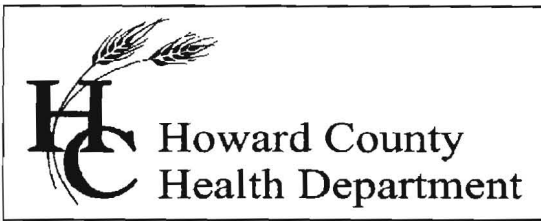
The parties have signed and sealed this Agreement on the dates set forth below

9/3/14  
 \_\_\_\_\_  
 Date  
 9/3/14  
 \_\_\_\_\_  
 Date  
 \_\_\_\_\_  
 Date

  
 \_\_\_\_\_  
 Owner Sachin Vakil  
  
 \_\_\_\_\_  
 Owner Sachin Vakil  
  
 \_\_\_\_\_  
 Bert Nipon 9/8/2014  
 Howard County Health/Department

  
 \_\_\_\_\_  
 Witness

\_\_\_\_\_  
 Witness



## Bureau of Environmental Health

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Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)

Twitter: HowardCoHealthDep

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

---

Date: January 16, 2014

To: Sherry Mewshaw (Trinity Homes, Inc.), Applicant  
[sherry@trinityhomes.com](mailto:sherry@trinityhomes.com)

RE: Best Available Technology (BAT) Site Plan and BAT denitrification unit required at 12303 Pleasant View Drive, (Fulton Manor II, Lot 2)

Dear Ms. Mewshaw,

Please be advised that a best available technology (BAT) denitrification unit is required for treatment of wastewater discharge from the proposed dwelling at 12303 Pleasant View Drive.

A BAT Site Plan is required for Health Department approval of the Building Permit Application (B13004591). This plan should be created by your engineer. I have enclosed a document listing the required content for a BAT Site Plan.

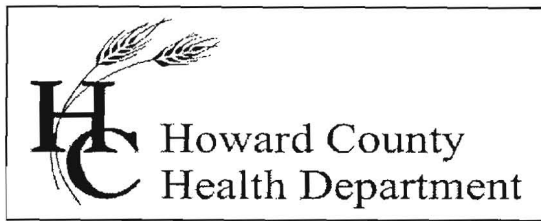
I am also attaching an Operation and Maintenance Agreement that the owner must complete, sign and submit at our Bureau desk. Our Bureau Director will then sign the agreement, and the owner will hand-carry the signed document first to the Howard County Finance Department and then to Howard County Land Records where the agreement will be recorded. We can release the septic system installation permit when we have a receipt by Land Records that indicates the agreement has been submitted for recordation. The Health Department requires a copy of the recorded document for Use and Occupancy approval.

Should you have any questions concerning this matter, you may contact me by calling 410-313-2691.

Respectfully,

Robert Bricker, REHS/R.S., L.E.H.S.  
Environmental Sanitarian, Well and Septic Program  
Howard County Bureau of Environmental Health

Enclosures (2)  
Copy: file



**Bureau of Environmental Health**

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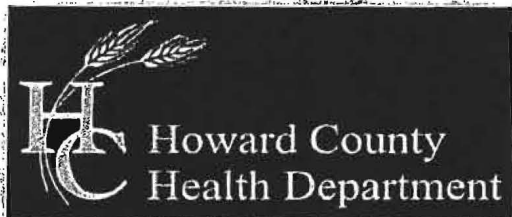
Respectfully

A handwritten signature in cursive script, appearing to read 'Robert Bricker', is written over the typed name.

Robert Bricker, REHS/R.S., L.E.H.S.  
Environmental Sanitarian, Well and Septic Program  
Howard County Bureau of Environmental Health

Enclosures (2)  
Copy: file

000220



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Twitter: HowardCoHealthDep

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 16th day of January, among SACHIN SURESH VAKIL, Aarti Sachin Vakil, 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 12303 Pleasant View Dr, Fulton MD 20759 in the 5th Election District of Howard County, Maryland, and the deed to same is recorded or shall be recorded among the Land Records of Howard County, Maryland in Liber \_\_\_\_\_ Folio \_\_\_\_\_.

WHEREAS, The Lot 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.

NOW, THEREFORE, the parties hereto agree as follows:

- A. Owner hereby grants to the County the right to enter upon the Lot at any reasonable time 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 to develop accurate and thorough test results.
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 Lot shall bind the Owner, their heirs, successors, and assigns to the provisions of the agreement as

Handwritten notes: 20, 40, 1c, 8E

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 Lot that the system shall require maintenance or other attention. Upon taking title to the Lot, 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.

Sachin Suresh Vakil 1/16/14  
Owner Date  
SACHIN SURESH VAKIL

Aarti Sachin Vakil 1/16/14  
Owner Date  
AARTI SACHIN VAKIL

Beit Nefer 1/23/2014  
Howard County Health Department

LR - Agreement  
Recording Fee 20.00  
Grantor/Grantee Name:  
Vakil  
Reference/Control #: 220  
LR - Agreement  
Surcharge 40.00  
SubTotal: 60.00  
Total: 61.00  
#2396520-1  
01/23/2014 02:33  
CC13-JE  
#2396520 CC0503 -  
Howard Co  
Columbia/CC05.03.02 -  
Register 02 494

