



HOWARD COUNTY HEALTH DEPARTMENT

60555

DATE 3/27/17

Received
From

Bradley R. Harrison

PHONE #

15
613 308 1112

For

BRT. Trust (677-12345
Massville Rd.

☐ CASH

☒ CHECK

NO.

1058

Three hundred ninety six

Dollars

\$

396.00

Received By

[Signature]



Howard County
Health Department

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: 4/19/2017

ONSITE SEWAGE DISPOSAL SYSTEM

P 560555

APPROVAL DATE: 8/15/17 *(initials)*

PERMIT:

BRF REPAIR

A

PROPERTY ADDRESS: 12345 Scaggsville Road

SUBDIVISION: Garrison Property

LOT: _____

TAX ID: 05-365066

CONTRACTOR: South Carroll Backhoe

EMAIL: skbackhoe@comcast.net

CONTRACTOR ADDRESS: 4410 Salem Bottom Road, Westminster MD

PHONE: 410-596-3618

CONTRACTOR CERTIFIED FOR BAT INSTALLATION:



MDE



MANUFACTURER:

PROPERTY OWNER: Brad & Tabassum Garrison

EMAIL: Brad.garrison@hotmail.com

OWNER ADDRESS: 12345 Scaggsville Road

PHONE: 443-801-4086

BAT UNIT MODEL: HOOT BNR 600

PUMP SIZE: _____

PUMP TANK CAPACITY: _____

OPERATION & MAINTENANCE AGREEMENT

DATE SIGNED: 2/27/2017

DATE RECORDED: 2/27/2017

DISTRIBUTION SYSTEM: ☒ GRAVITY



PRESSURE DOSED

BEDROOMS: 3

APPLICATION RATE: 0.6

TRENCHES:

LINEAR FEET REQUIRED: 175

INLET DEPTH: 3

TRENCH WIDTH: 2

MAXIMUM BOTTOM DEPTH: 9

MINIMUM SPACE

BETWEEN TRENCHES: 11

EFFECTIVE AREA BEGINNING DEPTH: 5.5

LOCATION: **TO BE STAKED BY SANITARIAN DURING PRE-CONSTRUCTION INSPECTION.**

NOTES:

System designed for a 3BR plus one addition salon seat at 250gpd. Future additions may require additional perc testing and development of a Percolation Certification Plan per Howard County Requirements sec. 3.805. Existing septic tank/drywell to be pumped and collapsed. Install ~~2x88'~~ trenches or 3x59' trenches on contour over existing perc test hole 'F'. Must meet contractor on-site to lay system out.

ISSUED BY: Kevin Wolf

ISSUE DATE: 6/2/2017

EXPIRATION DATE: 6/2/2018

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

17004023

OK

(initials)

NOTE: **THE HCHD DOES NOT WARRANTY ANY SYSTEM AND CANNOT GUARANTEE THE PERFORMANCE OF THIS SYSTEM AS DESIGNED. BY ACCEPTING THIS PERMIT, THE OWNER AND/OR APPLICANT ACKNOWLEDGE THAT THE SPECIFICATIONS DETAILED IN THIS DESIGN ARE ONE POSSIBLE OPTION AND THAT THE HCHD WILL REVIEW OTHER PROPOSALS. YOU HAVE THE OPTION TO SEEK THE ADVICE OF A QUALIFIED DESIGN CONSULTANT OR PROFESSIONAL ENGINEER FOR FURTHER GUIDANCE.**

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

See Separate Sheet
for As-Built

8/4/17 S. Carroll adding stone to T3. 2" wide 3' inlet, 9' bottom. Started Hoot system - alarm sounds, pump pumps effluent to D-box. S. Carroll will cap off terra cotta pipe coming from neighbor's property - left a sticker on neighbor's door requesting they contact HCHD w/b pipe. Need BAT startup certification. (SC) 8/15/17 BAT start-up Rec'd - KMW

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
2	3	9
NUMBER OF TRENCHES		3
TOTAL LENGTH		177'
ABSORPTION AREA		354' ± SW
DISTRIBUTION BOX LEVEL		YES
DISTRIBUTION BOX BAFFLE		ELBOW
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL Yes
MANUFACTURER Hoot
CAPACITY 600 BNA GAL
SEAM LOC Top
TANK LID DEPTH 2'
BAFFLES Yes
BAFFLE FILTER N/A
MANHOLE LOC Front/Rec
6" PORT LOC No
WATERTIGHT TEST +
SLOTTED Yes
DATE ON LID N/A

~~PUMP/SEPTIC TANK LEVEL Hoot
MANUFACTURER _____
CAPACITY _____ GAL
SEAM LOC _____
TANK LID DEPTH _____
BAFFLES _____
BAFFLE FILTER _____
MANHOLE LOC _____
6" PORT LOC _____
WATERTIGHT TEST _____
SLOTTED _____
DATE ON LID _____~~

PRE-CONSTRUCTION:

6/30/17 Met contractor on-site. Shot elevations for trenches. Install 3x 60' trenches scattered thru tree lines as staked in field over pure test hole F. Run F.M. up along prop line in area of clearing. Dug up ex tank which is a cesspool. Set new tanks 100' from ex well in open area out of shade. (KMW)

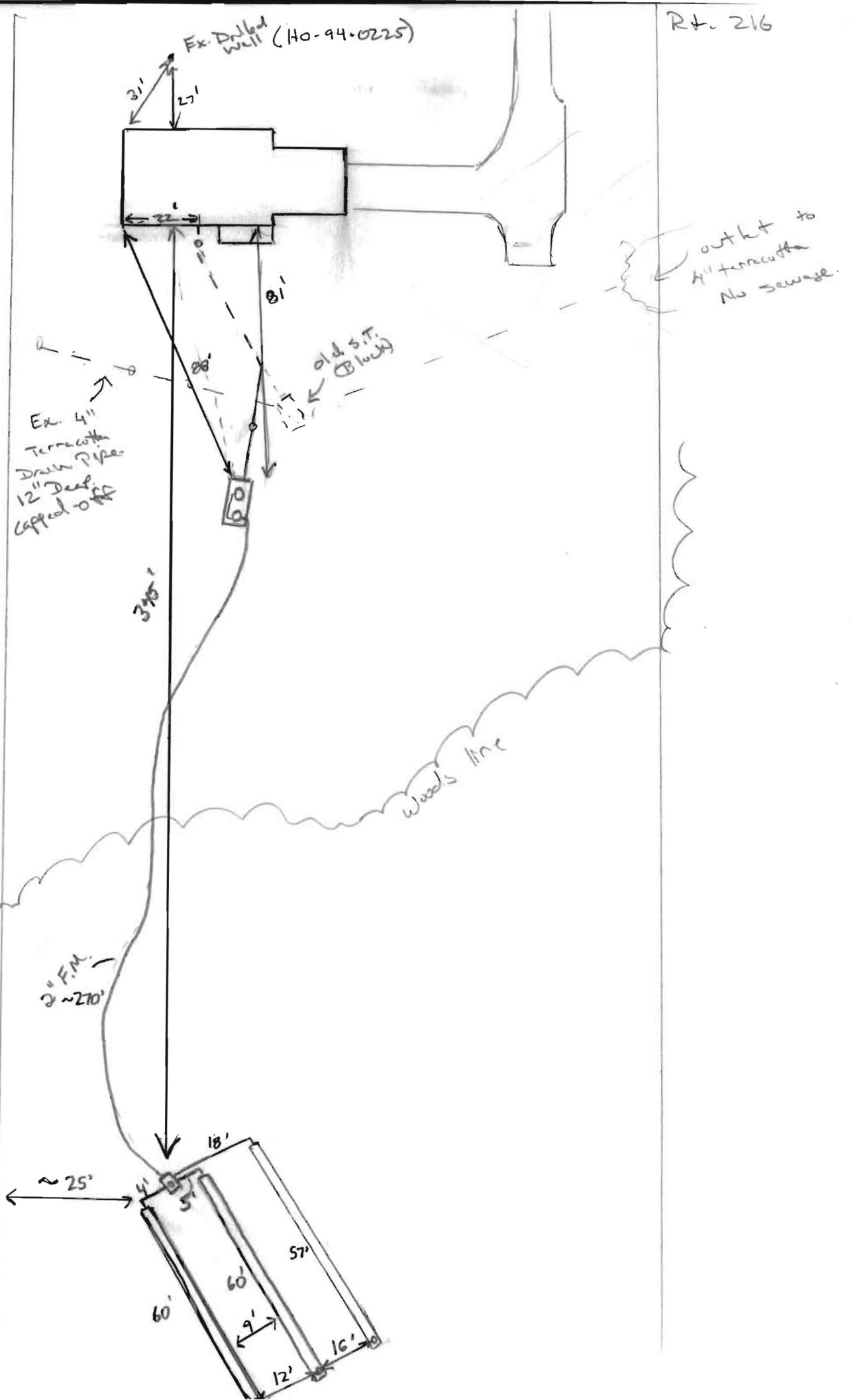
INSTALLATION: 8/4/17 ex 4" SHC dug up, re-plumbed new 4" wh 40 to new BAT unit. Hoot tank set in place. Some ground water encountered @ bottom of tank like Ber-shot elevations on trenches also... 8/9/17 F.M. ran up to D box. Upper trench completed, middle trench 80% completed. Soil consistent w/ perc (F). OK to continue (KMW) Contractor encountered 4" terracotta pipe running from neighbor's house (12351) 12" deep (no sptax, clear water) to ex black tank (now pumped/collapsed). Not sure what or where it is from. Owner will consult w/ neighbor (KMW) 8/10/17 Trenches not yet complete. Spoke w/ owner "are not able to get any info on 4" terracotta line coming from neighbor." (KMW)

FINAL INSPECTOR

K. Kalf

DATE OF APPROVAL

8/15/17



**MAYER BROS., INC.***Precast Concrete Products*
6264 Race Rd. Elkridge, MD 21075

Letter of Satisfaction

Hoot System Installation

Address of Property: 12345 Scaggsville Rd.
Fulton, MD 20759

Date of Final Inspection: 8/14/17

Installer: South Carroll Backhoe Service

Hoot Technician/Inspector: Mike Sample

I hereby certify that the Hoot system installed at the property listed above has been installed according to proper Hoot installation practices. I have also verified the startup of the system and it is in proper working order.

Sincerely,

H. Michael Dwyer
Name of Inspector
Mayer Bros., Inc.

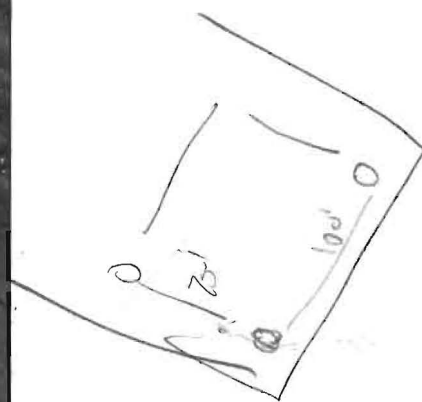
PH: 410-796-1434

WBE

FX: 410-796-1438

www.mayerbrosprecast.com

Grease Interceptors, Grease Solutions, Aerobic Treatment Units, Septic Tanks, Holding Tanks, Storm Water Structures, Hydroceptors,
Bench Barrier, Water Meter Vaults, Sectional Valve Vaults, Top Slabs, Curb Heads, Curb Bumpers,
Custom Precast Products



3BR

800



CANAAN VALLEY INSTITUTE

February 23, 2017

Bradley & Tabassum Garrison
12345 Scaggsville Road
Fulton, MD 20759

RE: FY 2017 Howard County Bay Restoration Fund OSDS Upgrade Program

Dear Mr. and Mrs. Garrison:

Thank you for your application to participate in the Howard County Bay Restoration Fund OSDS Upgrade Program. The Howard County Health Department has verified that your existing septic system is failing and in need of repair. Based on your 2015 income tax return form, you are eligible to receive funding to cover **100%** of the cost to upgrade your system to one of the MDE approved BAT units listed below. The approved price includes the cost of the unit, installation of the unit, and 5 years of operation and maintenance. The price does not include the cost of permits.

<u>System</u>	<u>Vendor</u>	<u>Contact</u>	<u>Phone</u>
Bio-Microbic (RetroFast)	Jones Pump Service	Dwayne Jones	410-836-9206
Orenco (Advantex AX20)	Atlantic Solutions	Robert Johnson	877-214-9283
HOOT 600 BNR	Mayer Bros, Inc	Nancy Mayer	410-796-1434
Norweco Singulair TNT	Back River Precast LLC	Matthew Geckle	410-833-3394
SeptiTech	Jones Pump Service	Dwayne Jones	410-836-9206

In order to receive your OSDS upgrade, **you MUST follow these steps:**

1. **Sign this letter** on the bottom of page 2 **and return it** in the envelope provided within **2 weeks of the date of this letter.**
2. File a septic repair permit application with the Howard County Health Department **within 2 weeks of the date of this letter.** The permit application fee is \$396.00 (\$165 for tank approval only).
3. Obtain the Agreement and Easement for Installation of Best Available Technology Systems with Bay Restoration Funds from the Howard County Health Department, have it signed by a Howard County Health Department Bureau Director or Designee. Then take it to the Circuit Court and have it recorded in Land Records **within 2 weeks of the date of this letter.**
4. Prepare your property and schedule installation of the system. The system must be installed **within 6 weeks of the date the Agreement and Easement is recorded.**

If assistance is needed in completing any of the steps listed above, you may contact me at 304-940-3443 or kristin.mielcarek@canaanvi.org.

494 RiverStone Road | Davis, WV 26260
Phone: (304) 259.4739 or (800) 922.3601 | Fax: (304) 259.4759
www.canaanvi.org

The system vendor may provide a contractor to install your BAT unit. CVI will provide payment directly to the vendor. The vendor may also require proof of insurance from your contractor.

If your system is not installed within the 8 week timeframe listed in the steps on page 1, the funds may be released and used elsewhere. If you cannot complete installation in within this timeframe, please contact me to request an extension. Please note that failure to request an extension may result in termination of your grant and your system must be installed no later than June 27, 2017 in order to retain your funding.

For more information on septic repair permitting, contact:

Jeff Williams
Program Supervisor, Well and Septic
410-313-1771

Please sign and return this original letter and keep a copy for your records. If you have any questions, please contact me at 304-940-3443 or by email at kristin.mielcarek@canaanvi.org.

Sincerely,

Kristin Mielcarek, Watershed Circuit Rider

I have read and agree to the conditions of this Agreement Letter.

Accepted by: Bradley Garrison, Property Owner

Signature

Date

Accepted by: Tabassum Garrison, Property Owner

Signature

Date

494 RiverStone Road | Davis, WV 26260
Phone: (304) 259.4739 or (800) 922.3601|Fax: (304) 259.4759
www.canaanvi.org

Clerk of the Circuit Court for
Howard County
Land Records/Licensing

The Thomas Dorsey Building
9250 Bendix Road
Columbia, MD 21045
410-313-5850

=====

LR - Agreement Recording Fee		
	1x 20.00	20.00

Name: Garrison
Ref: 87

LR - Agreement Surcharge

	1x 40.00	40.00
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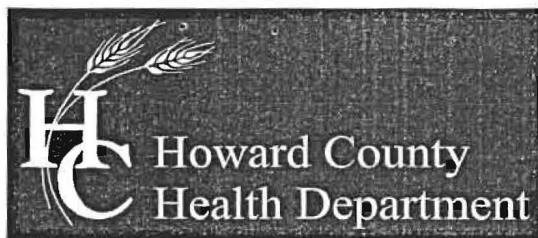
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SubTotal:		60.00
Total:		60.00

=====

REV-Check-BOA		60.00
Number : 1089		

02/27/2017 15:02 CC13-DS
#7869331 /1246/109
~ Thank you for visiting us today~



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

Twitter: HowardCoHealthDep

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

AGREEMENT AND EASEMENT FOR INSTALLATION OF BEST AVAILABLE TECHNOLOGY SYSTEMS WITH BAY RESTORATION FUNDS.

THIS AGREEMENT is made this 27 day of February, ²⁰¹⁷ among TABASSUM & Brad Garrison hereinafter referred to as "Owner," the Howard County Health Department hereinafter collectively referred to as the "County," and the Department of the Environment, hereinafter referred to as the "Department."

WHEREAS, Owner owns a tract of land located on 12345 Scaggsville Rd, in the Election District of Howard County, Maryland, and the deed to same is recorded among the Land Records of Howard County, Maryland, in Columbia and in Liber 10386 Folio 369.

WHEREAS, the Bay Restoration Fund (BRF) may provide a grant for the cost attributable to upgrading an onsite sewage disposal system to the Best Available Technology (BAT) for the removal of nitrogen.

WHEREAS, the BRF may also provide a grant for the cost difference between a traditional onsite sewage disposal system and a system that utilizes the BAT for the removal of nitrogen.

WHEREAS, Owner understands that participation in the Bay Restoration Fund is voluntary.

NOW, THEREFORE, the parties hereto agree as follows:

- A. Owner hereby grants to the Department and the County the right to enter upon the property at any reasonable time for access to the system to make periodic inspections and the Owner agrees to provide any information and data requested and needed by the Department to develop accurate and thorough test results.
- B. Owner acknowledges and agrees that a MDE certified and manufacturer-approved installer will install the BAT system.
- C. Owner acknowledges and agrees the manufacturer or manufacturer's authorized service provider will provide for Operation and Maintenance of the BAT for a period of 5 years as a condition of sale of the BAT. After the initial 5 year period an Operation and Maintenance contract with a certified service provider must be maintained in perpetuity by the property owner.
- D. Owner acknowledges and agrees that the manufacturer appointed Operation and Maintenance provider will have access to the BAT system at all times.
- E. Owner acknowledges and agrees that the manufacturer or manufacturer's authorized service provider will have access to sample the effluent of the BAT system. Owner acknowledges and agrees that the proposed installation of a BAT system funded by the BRF is voluntary. Owner agrees that there shall be no liability on the part of the County or Department to Owner if this BAT system fails, and that the County and the Department do not warrant or guarantee that the BAT system will adequately or properly function.
- F. Owner acknowledges and agrees that neither the County nor the Department nor any of its

agents or employees, either officially or individually, underwrites the operation of any system approved by them.

- G. The Owner will devote such care and effort to the maintenance of the BAT system so that any malfunction is not the result of poor maintenance, faulty operation, or neglect.
- H. The Canaan Valley Institute agrees to grant up to \$13,328 toward the cost of installation of the BAT system, and financial responsibility is limited to this amount. Operating costs will be at the Owners expense.
- I. The Owner acknowledges that the BRF grant can only be used for that portion of the OSDS attributable to (BAT) for the removal of nitrogen.
- J. Owner acknowledges in the event the total project cost is greater than \$25,000 the proposal will have to be approved by the Maryland State Board of Public Works.
- K. The Owner agrees to contact both the Water Management Administration, On-Site Systems Division of the Wastewater Permits Program and the County at least forty-eight (48) hours prior to system installation, so that the Department has the opportunity to be present at the time of installation or thereafter for inspection.
- L. The Owner must install BAT system according to the manufacturer recommended plans and specifications approved by the Department.
- M. The Owner agrees and acknowledges that if installation deviates substantially from the approved plans or changes such that performance of the system is compromised or reduced, BRF funding will not be provided.
- N. This agreement shall run with the land and binds the Owner, his heirs, successors, assigns. Owner further agrees that he shall inform in writing any purchaser or lessee of the property that the system may require maintenance or other attention. The Owner agrees to record this agreement in the land records of Howard County.
- O. This agreement shall not be construed to limit any authority of the Department to protect the public health, safety or comfort or to issue any other orders to take any other action that is now or may hereafter be within its authority.
- P. This agreement may be voided at the discretion of the Department if the system construction is not completed within six (6) months of the effective date of this agreement.
- Q. This agreement contains the entire agreement and understanding between the County and the Owner and the Department. 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.
- R. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

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

DATE: 2/27/17



Owner

DATE: 2/27/2017



Howard County Health Department