

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: 3/29/13 **ONSITE SEWAGE DISPOSAL SYSTEM**

P _____

INSTALLATION
APPROVAL DATE: 5/16/2013

PERMIT CONSTRUCTION

A 544589

PROPERTY ADDRESS: 13738 Barberry Way, Sykesville, MD 21784

SUBDIVISION: Westcliffe Manor LOT: 13 TAX ID: 04-338898

CONTRACTOR: _____ EMAIL: _____

CONTRACTOR ADDRESS: _____ PHONE: _____

PROPERTY OWNER: David Beares EMAIL: _____

OWNER ADDRESS: 13738 Barberry Way, Sykesville, MD 21784 PHONE: 443-851-6881

BAT UNIT MODEL: Advantex AX 20: model 3A BAT UNIT SIZE: Maryland 5 Bedroom

PUMP CHAMBER CAPACITY (GALLONS): _____ PUMP SIZE: _____

NUMBER OF BEDROOMS: 5 HOUSE SQ. FT. _____ APPLICATION RATE: _____

DISTRIBUTION SYSTEM: GRAVITY FED ☐ LOW PRESSURE DOSED ☐

TRENCHES:	LINEAR FEET REQUIRED: <u>existing</u>	INLET DEPTH: _____
	TRENCH WIDTH: _____	MAXIMUM BOTTOM DEPTH: _____
	MINIMUM SPACE BETWEEN TRENCHES: _____	EFFECTIVE AREA BEGINNING DEPTH: _____
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	Install BAT unit per plan. Connect to existing distribution trench after filling dry well void. Existing septic tank and dry well must be pumped dry, the tops collapsed, the filled with clean earth materials.	

ISSUED BY: Robert Bricker ISSUE DATE: 4/10/13 EXPIRATION DATE: 5/10/14

- 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.

See As-Built Drawing
On Separate Sheet

TRENCH/DRAINFIELD DATA

(If Installed/Needed)

WIDTH INLET BOTTOM

NUMBER OF TRENCHES

TOTAL LENGTH

ABSORPTION AREA

DIST. BOX LEVEL

DIST. BOX BAFFLE

DIST. BOX PORT

AdvanTex AX 20 Model 3a.

BAY RESTORATION FUND

MANUFACTURER Superior Tank/

CAPACITY 2000 GAL Advantex

SEAM LOC Top

TANK LID DEPTH 2-2.5'

BAFFLES Front

BAFFLE FILTER Yes

MANHOLE LOC Front + Rear

6" PORT LOC None

WATERTIGHT TEST No

AERATOR TEST ?

DATE ON LID Dry

4/22/13 12:15 PM Tank set when I arrived. Assembling Advantex treatment units. (BB) 4/22/2013 2:00 PM Advantex unit assembled. Connecting plumbing to tank. Getting ready to abandon drywell. (BB)

4/23/2013 Drywell pumped and filled in. Connected to existing trench. Tank pumped and filled in. Need test of unit and certification from Advantex distributor. (BB)

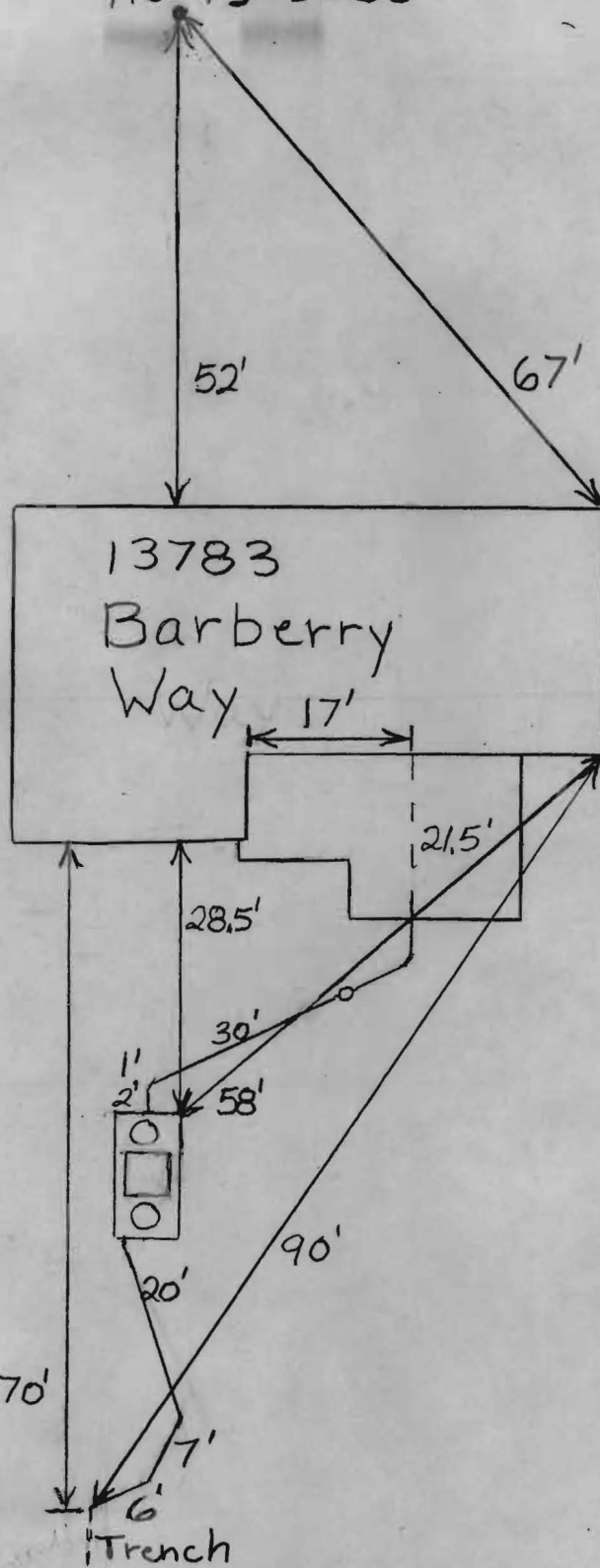
5/16/2013 Unit not tested personally but received report from Advantex tech. saying it is functioning

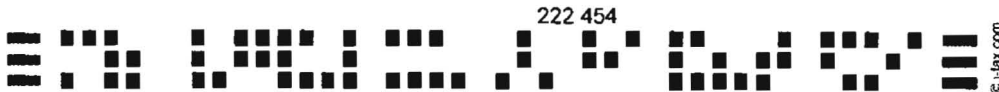
FINAL INSPECTOR B. Baker

DATE OF APPROVAL 5/16/2013

properly. (BB)

HO-73-3533





AdvanTex® Field Maintenance Report

Start-Up Summary Report

Atlantic Solutions, M
(877) 814-842

Property Owner/Tracking # Paul Beare		Operator <u>Owen Townley</u>		Installed Date 04/22/201	
Site Address 13738 Barberrry Way, Sykesville MD				Start-Up Date 05/03/2013	
Phone Number (443) 851- 881	Permit #	Mode Mode 3	Bedrooms	Occupants	Occupancy Date
Designer/Engineer Atlantic Solution		Phone (401) 293-0171		Authorized Installer Fogles Septi	
Advantex Dealer Atlantic Solutions, LT		Phone (401) 293-0171		Phone (410) 795-5 70	

Primary Treatment

If using a single Processing Tank, complete the following:

☒ Processing Tank

Septic Volume (1500 gal.) Recirc Volume (500 gal.)

Construction ☒ Concrete ☐ Fiberglass ☐ Other

Manufacturer: SUPERIOR TANK

If using a separate Septic Tank and Recirc Tank, complete the following:

☐ Septic Tank (_____ gal.)

Construction ☐ Concrete ☐ Fiberglass ☐ Other

Manufacturer: _____

☐ Recirc Tank (_____ gal.)

Construction ☐ Concrete ☐ Fiberglass ☐ Other

Manufacturer: _____

☒ Pump Model: PF3000511

☒ Floats set properly at 11 -in. 14 -in. 24 -in.

Secondary Treatment

☒ RSV setting: 14 -in.

☒ Residual head measurement:

Pod #1 4'0" -in. Pod #2 _____ -in. Pod #3 _____ -in.

☐ Discharge Tank/Basin (_____ gal.)

Construction ☐ Concrete ☐ Fiberglass ☐ PVC (Basin)

Manufacturer: _____

☐ Pump Model: _____

☐ Floats set properly at _____ -in. _____ -in. _____ -in.

☐ Discharge pump flow rate (drawdown test): (_____ gpm)

☐ Discharge pump dose volume: (_____ gal./dose)

Comments

Signature [Signature]

Date 5-3-2013

Fax completed form to 1-866-384-7404

Control Panel

Panel ID (RTU or UL #)	"On" Timer Setting	"Off" Timer Setting
<u>MVP</u>	<u>0.3</u>	<u>19.7</u>

Filter Pods

Pod #1 Serial No.	Pod #2 Serial No.	Pod #3 Serial No.
<u>416, 14</u>		

Other System Components

☐ Disinfection equipment (manufacturer): _____

☒ Dispersal system (type of):

GRAVITY TRENCH

Declarations (Initial)

AT Orenco's Start-Up Procedure was followed.

AT All lids are secured.

AT Circuit breakers are on and control panel is latched.

AT "For Service Call" label with phone # was affixed to panel.

OT Homeowner Package was reviewed with:

☒ Builder on (date) 6-3-2013

☒ Resident on (date) 5-3-2013

The system is ready for use ☒ Yes ☐ No (explain)

Circuit Court for
HOWARD COUNTY
Clerk of the Court,
WAYNE A ROBEY
8360 COURT AVENUE
ELLICOTT CITY, MD 21043-
(410) 313-2111

Transaction Block: 1740
Ref: 194
MISC AMOUNT
INF FD SURE \$5 40.00
RECORDING FEE \$20.00 20.00
SUBTOTAL: 60.00
TOTAL CHARGES: 60.00
PAYMENTS
CHECK 60.00
TOTAL TENDERED: 60.00

Cashier: CGH Reg # CH06
Rcpt # 87294
Date: Apr 19, 2013 Time: 01:48 pm

**EASEMENT FOR INSTALLATION
AVAILABLE TECHNOLOGY SYSTEMS
IN THE BAY RESTORATION FUNDS.**

of April, among Paul Beares,
Howard County Health Department hereinafter collectively
Department of the Environment, hereinafter referred to as the

located on 13738 Banberry Way, Sykesville, in the
County, Maryland, and the deed to same is recorded among the
Maryland, in _____ and in Liber 14324

RF) may provide a grant for the cost attributable to upgrading an
Available Technology (BAT) for the removal of nitrogen.

grant for the cost difference between a traditional onsite sewage
the BAT for the removal of nitrogen.

icipation in the Bay Restoration Fund is voluntary.

agree as follows:

- Department and the County the right to enter upon the property at
s 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.

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

THIS AGREEMENT is made this 10th day of April, among Paul Beares, 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 13738 Banterry Way, Sykesville, in the Election District of Howard County, Maryland, and the deed to same is recorded among the Land Records of Howard County, Maryland, in and in Liber 14324 Folio 504.

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 \$ 13000 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.

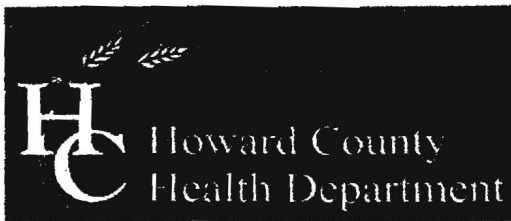
IN WITNESS WHEREOF, the parties have signed and sealed this agreement on the date indicated above.

DATE: 4/10/13

Paul Beares
Owner

DATE: 4/16/13

Bert Nefer
Howard County Health Department



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
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

000104

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 11th day of March, among Paul & Susan Bevers, 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 13738 Barberry Way, Sykesville, MD 21784, in the 04 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 14324 Folio 00504.

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

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.

Paul Beares 3/11/13
Owner Paul Beares Date

Susan Beares 3-11-13
Owner Susan Beares Date

Beit Nylan 3/11/13
Howard County Health Department

TRV FD SURE \$	40.00
RECORDING FEE	20.00
TOTAL:	60.00
Recd H008	RCPT # 76194
NAK VLB	BLK # 2082
Mar 25, 2013	11:41 am

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

THIS AGREEMENT is made this 15th day of April, among Paul Beares, 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 13738 Barberry Way, Sykesville, in the Election District of Howard County, Maryland, and the deed to same is recorded among the Land Records of Howard County, Maryland, in and in Liber 14324 Folio 504.

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 \$ 13000 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.

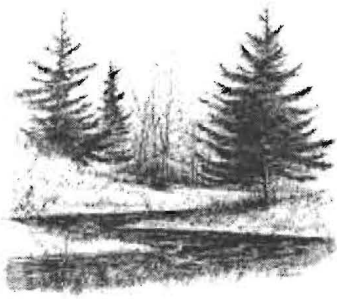
IN WITNESS WHEREOF, the parties have signed and sealed this agreement on the date indicated above.

DATE: 4/16/13

Paul Beares
Owner Paul Beares

DATE: 4/16/13

Bert Nixon
Bert Nixon
Howard County Health Department



Canaan Valley Institute

WORKING FOR THE SUSTAINABILITY OF THE MID-ATLANTIC HIGHLANDS SINCE 1995

March 26, 2013

Mr. Paul Bears
13738 Barberry Way
Sykesville, MD 21784

RE: FY 2013 Howard County Bay Restoration Fund OSDS Upgrade Program

Dear Mr. Bears:

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 2010 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 up to \$13,000. 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.

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. Sign the enclosed Agreement and Easement for Installation of Best Available Technology Systems with Bay Restoration Funds, 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.

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

Accepted by: Paul Bears, Property Owner

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

Signature

Date

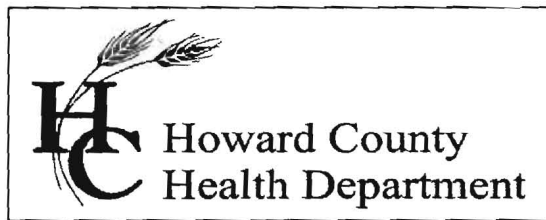
494 RiverStone Road | Davis, WV 26260
Phone: (304) 259.4739 or (800) 922.3601 | Fax: (304) 259.4759
www.canaanvi.org

4941

Circuit Court for
HOWARD COUNTY
Clerk of the Court,
WAYNE A ROBESY
8360 COURT AVENUE
ELLICOTT CITY, MD 21043-
(410) 313-2111

Transaction Block:	2082
Ref: 104	
ISC	AMOUNT
IMP FD SURE \$5	40.00
RECORDING FEE \$20.00	20.00
UBTOTAL:	60.00
TOTAL CHARGES:	60.00
PAYMENTS	
CHECK	60.00
TOTAL TENDERED:	60.00

Cashier: VLB Reg # H008
Rcpt # 78194
Date: Mar 25, 2013 Time: 11:41 am



Bureau of Environmental Health

7178 Columbia Gateway Drive, Columbia, MD 21046-2147

Main: 410-313-6300 | Fax: 410-313-6303

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

February 22, 2013

To: Karen Pitsley, AIA, CAPS; Transforming Architecture

RE: BAT Site Plan comments; Percolation Certification Plan needed; 13738
Barberry Way; A544511

After further review, I've observed that the septic reserve area represented on the January 17 plan and staked for perc tests is different than the original approved septic reserve area. Therefore a percolation Certification Plan is needed. It appears that the plan submitted on January 17 is intended to be a hybrid plan, incorporating requirements for a BAT Site Plan with the content for a Percolation Certification Plan.

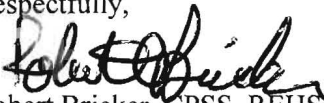
The following remarks concern requirements for the combined plan.

1. The septic reserve area is to be represented as shown on Plat #3897. Area to be added, and area to be abandoned are to be represented by unique symbols.
2. Turn the BAT unit with the long axis pointing toward the house and toward the trench.
 - a. Label BAT unit with elevations for 'Grade', 'Top of Tank', 'Invert IN', and Invert OUT'.
 - b. Please Note: the Top of Tank elevation needs to be lower than the elevation of the Sewer Out at the House.
3. Label the elevation of the Sewer Out at the house.
4. Label the elevation of the SHC at the point where it is to be cut and flow directed to the BAT unit.
5. Label Dry well (re: Seepage Pit) to be abandoned.
6. Perc test locations from 1973 need to shown with a unique symbol and labeled.
7. Perc tests 9 and 10 (2013) need to be shown with a unique symbol and labeled
8. The septic reserve areas on Lots 12 and 14 need to be shown, at least in part.
9. If either Lot 12 or Lot 14 have a well within 100 feet of the Lot 13 boundary that well will need to shown.
10. Each existing or proposed well location needs to have a 100-foot radius associated with it.

11. Show and label all structures 'To Remain'
12. Include a cross-section and detail of the BAT unit, (usually available online).
13. A diagram of the hydrologic profile is needed.
14. If the BAT unit has a pump output (is not gravity), include pump calculations and pump curve.
 - a. Give elevations of Pump On, Pump Off, and High Water Alarm floats or sensors.
 - b. Label sensors/floats by function on diagram

You may send a revision by PDF so that I can review and comment prior to a hard-copy submittal. If you have any questions regarding these requirements for the Percolation Certification Plan/Site Plan, or need more information, please contact me by email or by calling (410) 313-2691.

Respectfully,



Robert Bricker, CPSS, REHS/RS
Environmental Health Specialist
Well and Septic Program

Enclosures (2)

Copy: Paul Beares, owner
Joseph Gregory, contractor
File

This area designates a private sewage disposal area of at least 10,000 sq. ft. as required by the Maryland Department of Environment for individual sewage disposal. Improvements of any nature in this area are restricted. This sewage disposal area shall become null and void upon connection to a public sewerage system. The County Health Officer shall have authority to grant adjustments to the private sewage easement Recordation of a revised sewage easement shall not be necessary.

Any changes to a private sewage easement shall require a revised percolation certification plan.

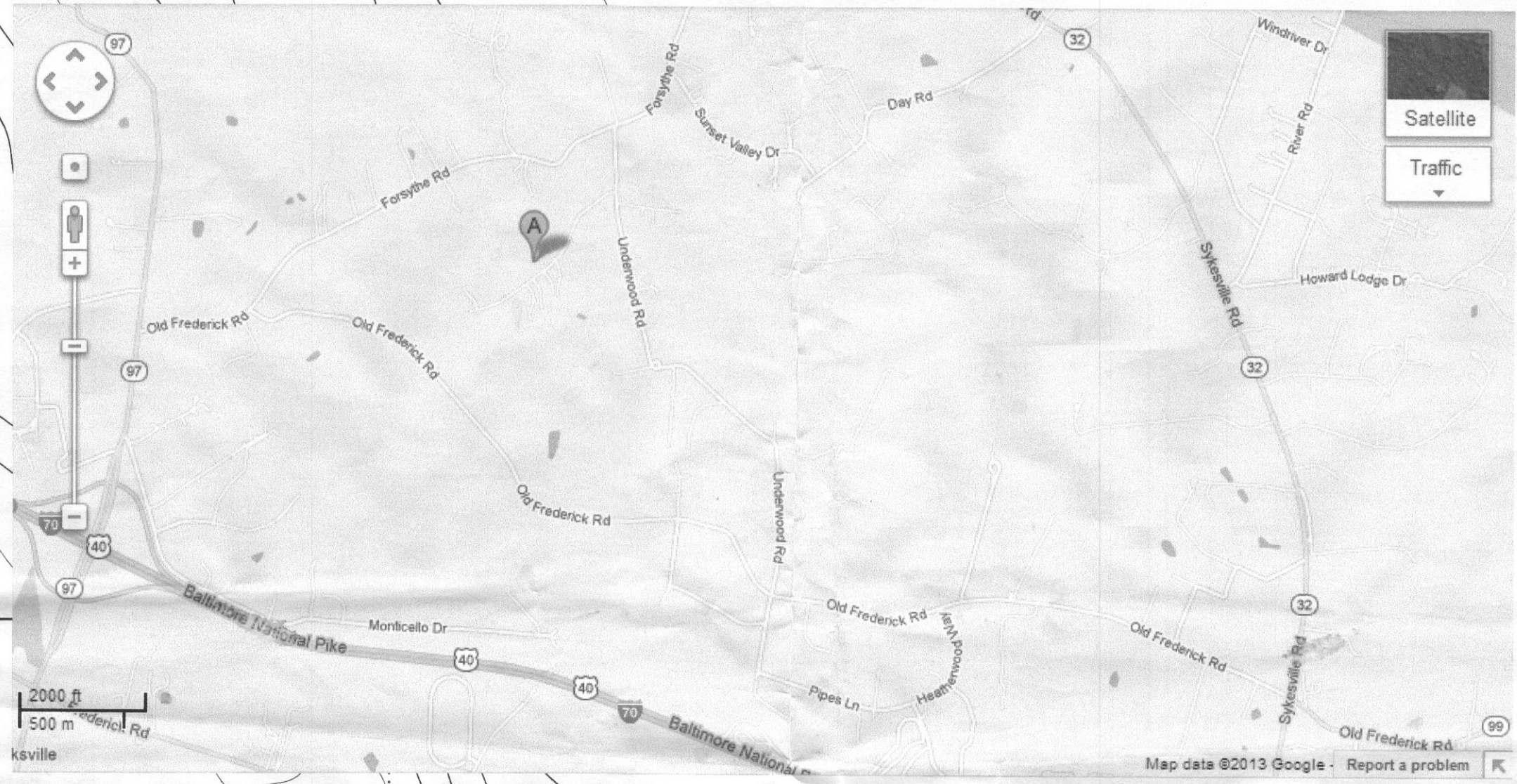
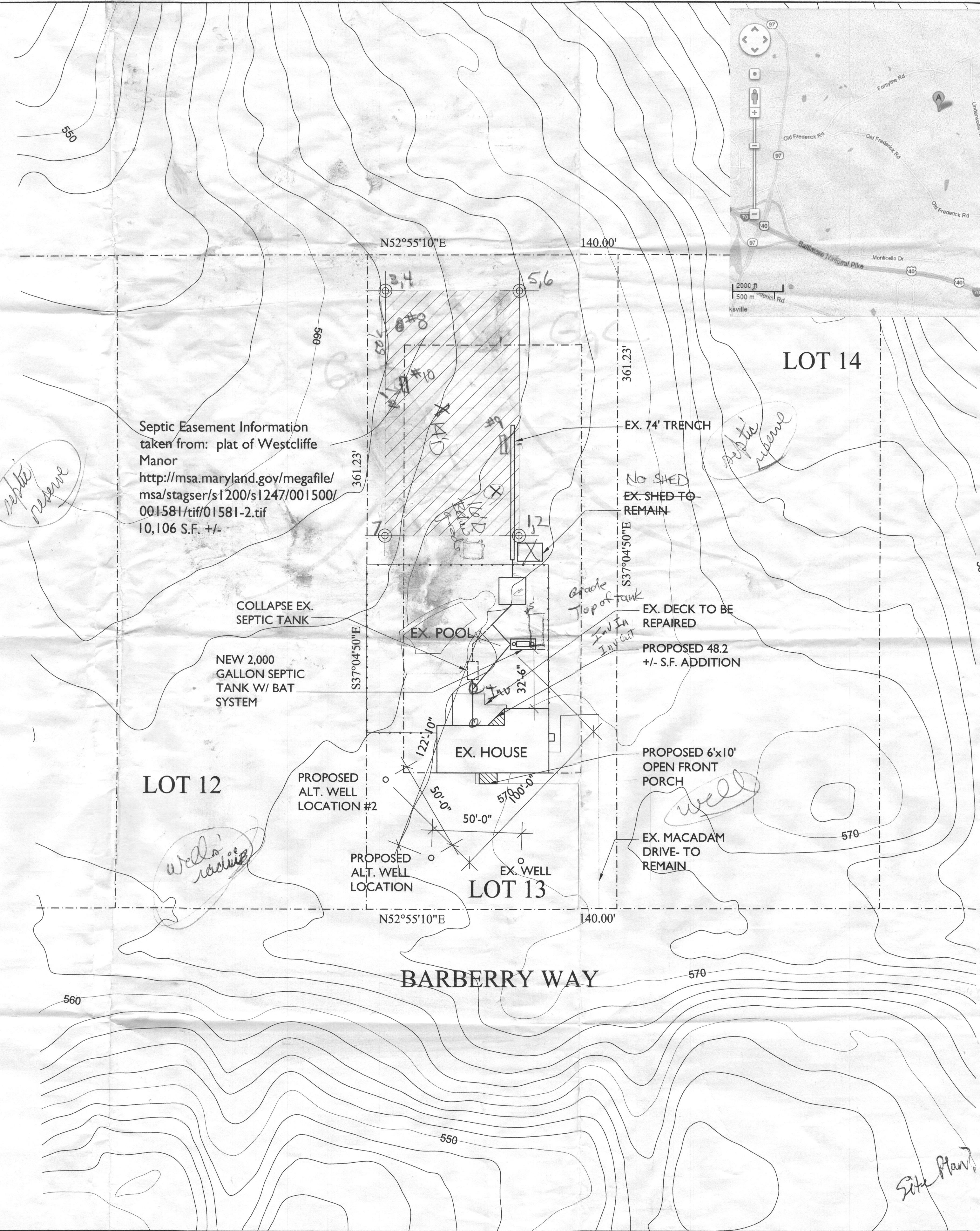
The topography of this plat is taken from Howard County GIS and is verified accurately represent the relative changes on the subject property.

All wells and septic systems located within 100' of the property boundaries and 200' down gradient of any wells and/or septic systems and wells have been shown.

Required BAT Site Plan Notes

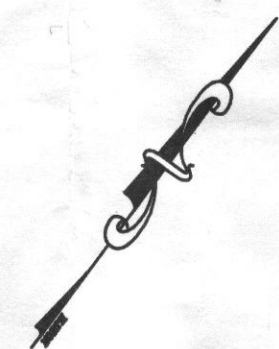
1. Any change to the locations or depths to any components must be approved by the engineer and the Howard County Health Department prior to installation. A revised site plan may be required.
2. The maximum depth of the BAT per the manufacturer's specification is 4 feet.
3. The blower may not be located more than _____ feet from the tank based on the manufacturer's specifications.
4. The BAT system shall be maintained and operated for the life of the system.
5. The BAT shall be operated by and maintained by a certified service provider.
6. Within one month of installation, a person installing the BAT system shall report to the Maryland Department of the Environment (MDE) in a manner acceptable to MDE, the address and date of completion of the BAT installation and the type of BAT installed.
7. Electrical work for the BAT installation must be performed by a licensed electrician.
8. An Agreement and Easement must be completed and signed by all applicable parties, and recorded in Land Records of Howard County.
9. The Health Department requires documentation for the start-up certification from the manufacturer prior to final approval of the installation.

01 SITE PLAN
A-1 SCALE: 1"=30'



OWNER: MR. & MRS. DAVID BEARES
13738 BARBERRY WAY
SYKESVILLE, MD 21784

PROPERTY KNOWN AS LOT 13
SUBDIVISION WESTCLIFFE MANOR
LIBER: 04739 FOLIO: 0633 PARCEL: 304
TAX Account ID: 1404338898
TAX MAP: 9 TAX MAP GRID: 7
ZONED: RC-DEO
ELECTION DISTRICT 04-04
HOWARD COUNTY, MD



PERC TEST PIT
LOCATION - 8/ 30/ 77

I certify that the information shown hereon is based on field work performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief.

Approved for private water and private sewer systems.

Health Officer's Signature _____ Date _____

Cross section / detail
hydro profile



7612 Browns Bridge Road
Highland, MD 20777
301-776-2666
301-776-2886 fax
1-877-828-7267
info@TransformingArchitecture.com
www.TransformingArchitecture.com

STAMP
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 13662, EXPIRATION 10-22-2011.

NOTE: THESE DRAWINGS ARE THE PROPERTY OF TRANSFORMING ARCHITECTURE AND, AS SUCH, MAY NOT BE RE-USED OR REPRODUCED, EITHER WHOLLY OR IN PART, WITHOUT PRIOR WRITTEN CONSENT OF TRANSFORMING ARCHITECTURE.

PROJECT PHASE
PERMIT

PROJECT TITLE
THE BEARES RESIDENCE

13738 BARBERRY WAY
SYKESVILLE, MD 21784

REVISIONS		
SYMBOL	DATE	ISSUED FOR

PROJECT NUMBER 12-088
DATE 1/16/2013
SCALE AS NOTED

DRAWING TITLE
SITE PLAN FOR BAT INSTALLATION

SHEET NUMBER
A-1