

Bureau of Environmental Health

8930 Stanford Blvd., 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

Date: November 12, 2013

To: Brian Bowers, Applicant
bowersbdn@hotmail.com

RE: Combine Percolation Certification Plan content with the BAT Site Plan

Dear Mr. Bowers,

I have been instructed by Mike Davis to inform you of his decision regarding your request for waiver from Percolation Certification Plan requirement. Mr. Davis stated that as you need to have a BAT Site Plan for upgrade of your septic system, the Percolation Certification Plan content can be incorporated with that plan. Please be advised that no additional percolation tests are being required at this time.

Your septic system will have to be upgraded prior to Health Department approval of the permit to expand your residence. The following events must occur, in order or simultaneously:

- submittal of a BAT Site Plan and Percolation Certification Plan,
- and completion of the Operation and Maintenance Agreement for the BAT system (that you must complete, sign and submit at our Bureau for signature by our Director, and then submit to Land Records; instructions attached),
- signature of the BAT Site Plan-Percolation Certification Plan,
- release of the Septic System Installation permit for the septic system upgrade,
- pre-construction meeting for installation of the septic system, and installation of the septic system upgrade,
- approval of the installation by a Environmental Sanitarian,
- and certification of the BAT unit by the manufacturer,
- copy of the recorded Operation and Maintenance Agreement submitted to the Health Department,
- release of the Building Permit Application for the planned addition.

I am attaching the Operation and Maintenance Agreement that you must complete, and instructions for the process of getting the agreement recorded. Should you have any questions concerning this matter, you may contact me by calling 410-313-2691.

Respectfully,

Robert Bricker, REHS/R.S.

Environmental Sanitarian II, Well and Septic Program
Howard County Bureau of Environmental Health

Enclosures (2)

Copy: file

Brian Bowers
950 River Road
Sykesville, MD 21784
410-489-2685
Email: bowersbdn@hotmail.com
11/04/2013

Mike Davis
Assistant Bureau Director
Environmental Health

Dear Mike Davis:

I am writing to request a waiver of a new perc test.

We purchased the River Rd home in May 2013. It has 3 bedrooms and 2 ½ baths.

We have plans with an architect to add a new space. Our intention is to add a 4th bedroom. In reviewing the original septic permit, it indicates that the site plan was for 3 or 4 bedrooms. So it appears the trenches were sized for a 4th bedroom.

It is my understanding that there are new rules in place and we would be required to replace the existing tank with a new BAT denitrification type. That seems like a good idea and I am budgeting for the tank replacement.

I spoke with Robert in your office last week to go over the original permit and my plans for the new space as well as discuss the current requirements. His information was excellent and very helpful. From that talk with Robert, it appears that the original perc test is adequate as well as the drain field. An approved waiver for a new perc test will allow me to start on a new survey and install plan. I hope to be able to have the new septic permit approved so that I can also apply for my building permit.

I understand that during the permit process additional questions and requirements may come up. A new survey and site plan will help better answer all questions.

Mike Davis

11/04/2013

Page 2

If you need additional information in order to approve this waiver please contact me.
Email address above is the fastest way or leave a message on my home number.

I look forward to hearing your decision.

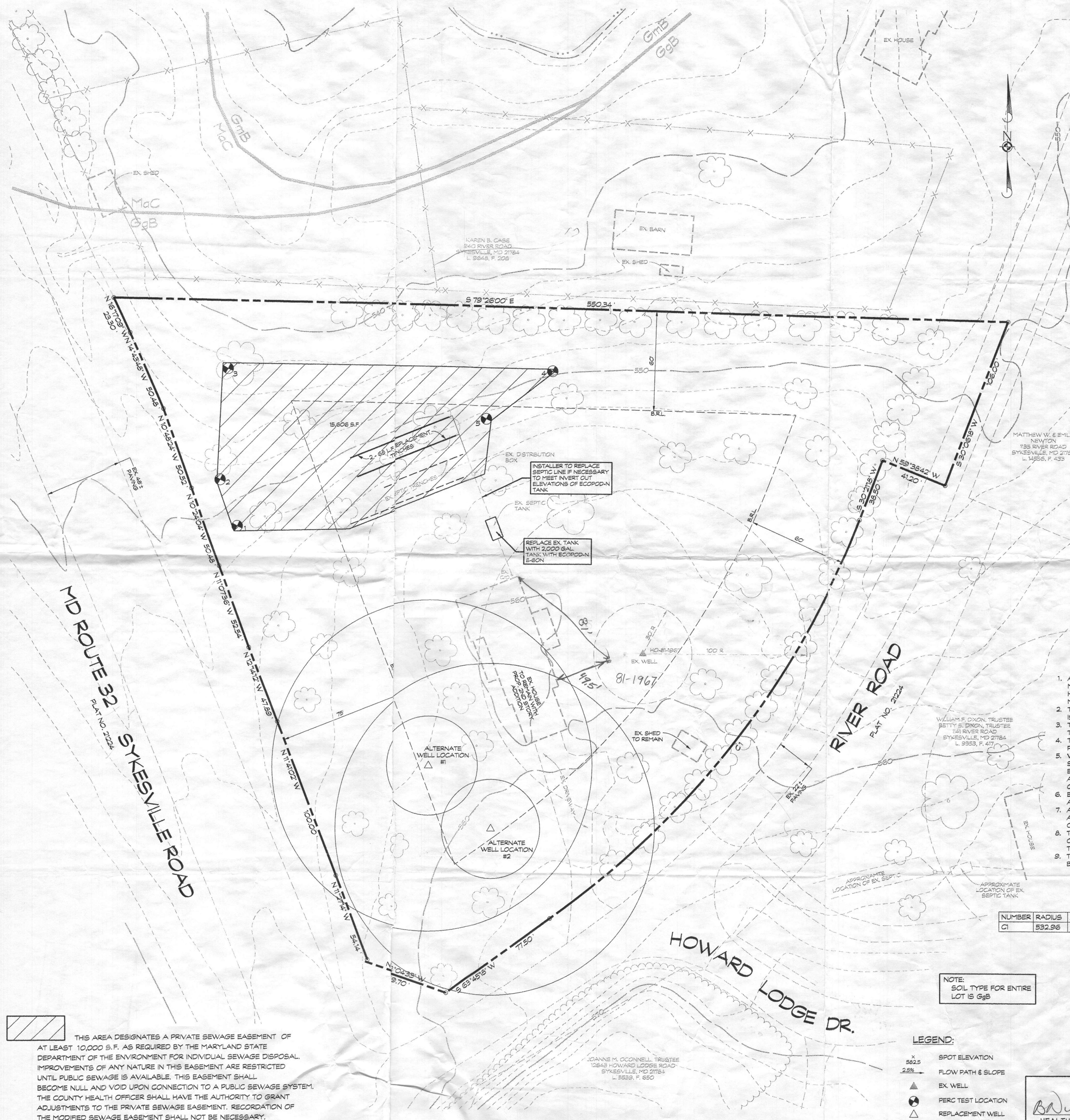
Sincerely,

A handwritten signature in cursive script that reads "Brian Bowers".

Brian Bowers

Homeowner



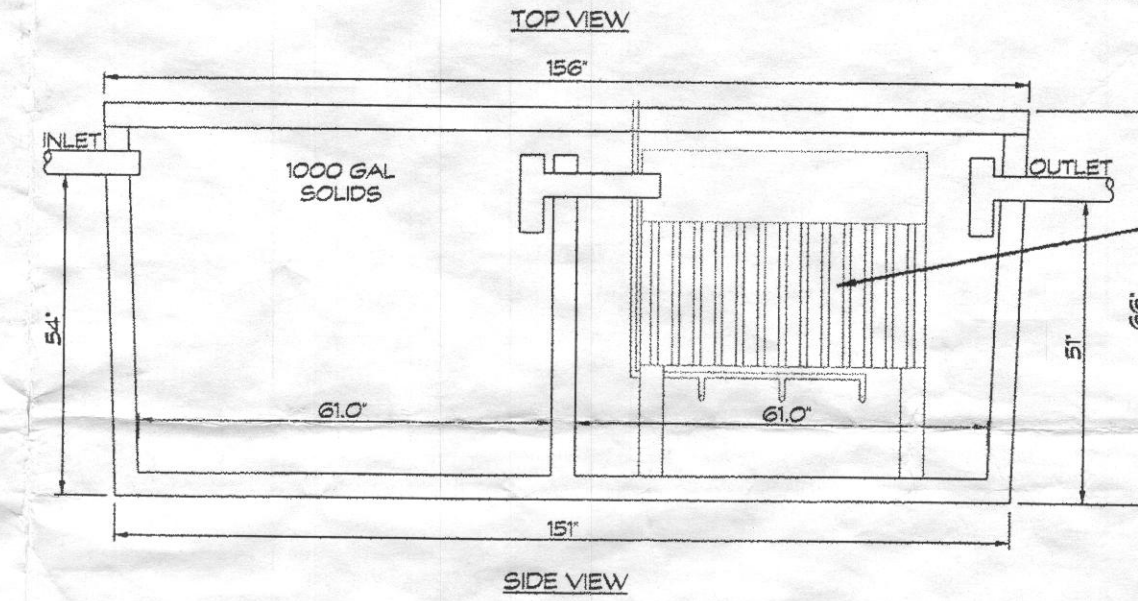
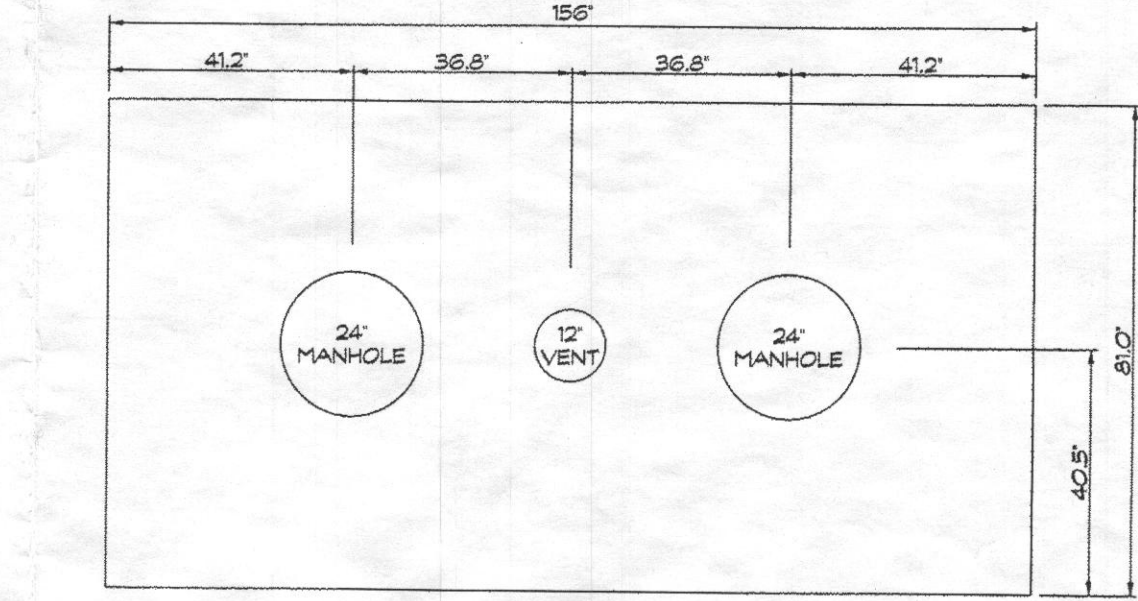
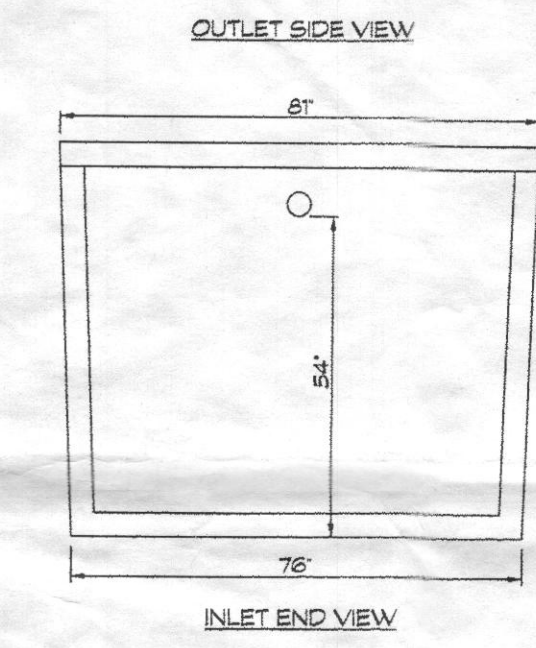
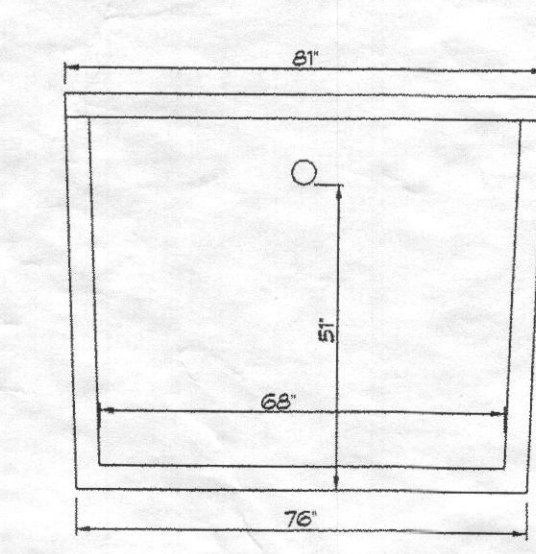


GENERAL NOTES

- 1. CURRENT TITLE REFERENCE
OWNER: BRIAN P. & DEBORAH M. BOWERS
DEED REFERENCE: LIBER 14882, FOLIO 287
DATE: MAY 2, 2013
GRANTOR: AMBROSE I. LANE SR.
- 2. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
- 3. THE TOPOGRAPHY OF THIS PLAT IS TAKEN FROM HOWARD COUNTY AERIAL TOPOGRAPHY AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
- 4. B.R.L. - DENOTES 'BUILDING RESTRICTION LINE'
- 5. THE BOUNDARY INFORMATION SHOWN IS FROM THE MEETES ADN BOUNS RECORDED IN LIBER 14882, FOLIO 287
- 6. ANY CHANGES TO THE PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- 7. THE PURPOSE FOR THIS PERCOLATION CERTIFICATION PLAN IS TO ESTABLISH A SEWAGE DISPOSAL (SDA) IN SUPPORT OF AN ANTICIPATED BUILDING PERMIT APPLICATION TO CONSTRUCT A SECOND FLOOR ON THE EXISTING HOUSE.
- 8. THE LOCATION OF THE EXISTING TRENCHES WERE TAKEN FROM THE AS-BUILT SKETCH PROVIDED BY HOWARD COUNTY HEALTH DEPARTMENT AND ARE NOT BASED ON A FIELD SURVEY BY CLSI INC.
- 9. THERE ARE NO STREAMS, FLOODPLAIN OR WETLANDS ON THIS SITE.
- 10. THE LOCATION OF THE PERCOLATION TEST WERE TAKEN FROM THE LOCATION DRAWING PROVIDED BY THE HOWARD COUNTY HEALTH DEPARTMENT.
- 11. PER LETTER DATED NOVEMBER 12, 2013 FROM HOWARD COUNTY HEALTH DEPARTMENT NO ADDITIONAL PERCOLATION TESTS ARE REQUIRED AT THIS TIME.

DATA TABULATIONS:

- 1. ZONING DISTRICT: RR-DEO
- 2. NUMBER OF BUILDING SITES: 1
- 3. TOTAL AREA OF SUBDIVISION: 3.08 ACRES



BAT TANK DETAIL

VAULT SPECIFICATIONS PROVIDED BY BABYLON VAULT COMPANY
SCALE: 3/8" = 1'

NOTE:
ECOPOD-N SERIES MANUFACTURED
BY DELTA ENVIRONMENTAL PRODUCTS

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 BAT SYSTEM SHALL BE MAINTAINED AND OPERATED FOR THE LIFE OF THE SYSTEM.
- 4. THE BAT SHALL BE OPERATED BY AND MAINTAINED BY A CERTIFIED SERVICE PROVIDER.
- 5. 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.
- 6. ELECTRICAL WORK FOR THE BAT INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
- 7. AN AGREEMENT AND EASEMENT MUST BE COMPLETED AND SIGNED BY ALL APPLICABLE PARTIES, AND RECORDED IN LAND RECORDS OR HOWARD COUNTY.
- 8. THE HEALTH DEPARTMENT REQUIRES DOCUMENTATION FOR THE START-UP CERTIFICATION FROM THE MANUFACTURER PRIOR TO FINAL APPROVAL OF THE INSTALLATION.
- 9. THE BLOWER MAY NOT BE LOCATED MORE THAN 100 FEET FROM THE TANK BASED ON MANUFACTURER'S SPECIFICATIONS.

SEPTIC SYSTEM TRENCH DESIGN:

PROPOSED SECOND FLOOR ADDITION TO EXISTING HOUSE, TOTAL NUMBER OF BEDROOMS = 4
AVERAGE PERCOLATION TEST TIME = 7.5 MIN./INCH
APPLICATION RATE = 0.8 GPD/SQ. FT.
DESIGN FLOW: 150 GALS x 4 BEDROOM = 600 GAL/DAY
600 GAL/DAY / 0.8 GAL / DAY/SQ. FT. = 750 SQ. FT.
EXISTING TRENCH AREA: [135 LF / 0.38] 2 FT. = 750 SQ. FT.

OWNER / DEVELOPER

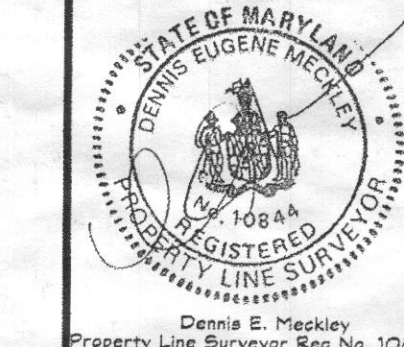
BRIAN & DEBORA BOWERS
950 RIVER ROAD
SYKESVILLE, MD 21784

BAT SITE PLAN & PERCOLATION CERTIFICATION PLAN

950 RIVER ROAD
TAX ACCOUNT #: 286789

BOWERS PROPERTY

3RD ELECTION DISTRICT • HOWARD COUNTY, MD.
TAX MAP: 9 • BLOCK: 5 • PARCEL: 35



439 East Main Street Westminster, MD 21157-5539
(410) 848-1790 FAX (410) 848-1791

Date	Revisions	Drawn By: Bm
		Designed By: LDA
		Reviewed By:
		Date: 12/12/13
		Scale: 1" = 30'
		Job No.: 2013156
		Sheet: 1 OF 1

NUMBER	RADIUS	ARC	DELTA	TAN	CHORD BRG.	DIST
G1	532.96	910.68	33°23'59"	159.89	S 47°03'17" W	303.30

CURVES DESIGNATED THUS: CX

"AS TO THE LOCATION OF THE EXISTING WELLS AND SEPTIC SYSTEMS I HEREBY 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."

Dennis E. Mackley
Dennis E. Mackley, Property Line Surveyor No. 10844

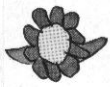
LEGEND:

- X 562.5 SPOT ELEVATION
- 2.5% FLOW PATH & SLOPE
- ▲ EX. WELL
- PERC TEST LOCATION
- △ REPLACEMENT WELL

"APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS"

Brian P. Bowers
HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. DATE 1/27/2014

THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 S.F. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS EASEMENT ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF THE MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.



Mr. Brian Bowers
950 River Rd.
Sykesville, MD 21784-5509

MIKE DAVIS
ASSISTANT BUREAU DIRECTOR
ENVIRONMENTAL HEALTH