

LAYOUT _____ INSP 4 _____

INSP 2 10/20/09 INSP 5 _____

INSP 3 10/21/09 INSP 6 _____

ISSUE DATE: 9-29-07

**PERMIT- WATERLOO
BIOFILTER - BRF SYSTEM**

P 531937

APPROVAL DATE: 10/21/09

SEPTIC TANK UPGRADE

A BRF

TAX ID # _____

**ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH**

Tri-County Contractors _____ IS PERMITTED TO INSTALL ALTER

ADDRESS: _____ PHONE NUMBER: _____

SUBDIVISION _____ LOT _____

ADDRESS: 7157 Deer Valley Road PROPERTY OWNER: Alan Helene
Waterloo Biofilter (Design flow 300- 600 gpd): Top Seamed Tank Required

PUMP CHAMBER _____

******THE REST OF THE SEPTIC SYSTEM IS SUBJECT TO INSPECTION FOR PROPER OPERATION. A SUITABLE REPAIR MUST BE PERFORMED IF THE SYSTEM IS NOT FUNCTIONING PROPERLY OR AT THE POINT OF FAILURE. PERCOLATION TESTING AND ADDITIONAL FEES MAY APPLY IF ADDITIONAL WORK IS REQUIRED FOR THE SEPTIC SYSTEM TO FUNTION PROPERLY.******

| | |
|-----------|---|
| LOCATION: | Install New pretreatment tank as specified on approved site plan. |
| NOTES: | A test of the sensors, pump, alarm and unit itself is required. Install Waterloo unit per manufacturer's specifications. System is designed for a maximum 600 gpd. A clean out/observation port should be installed on the dist. Box/drywell for inspection of functionality/operation of the pretreatment system. |

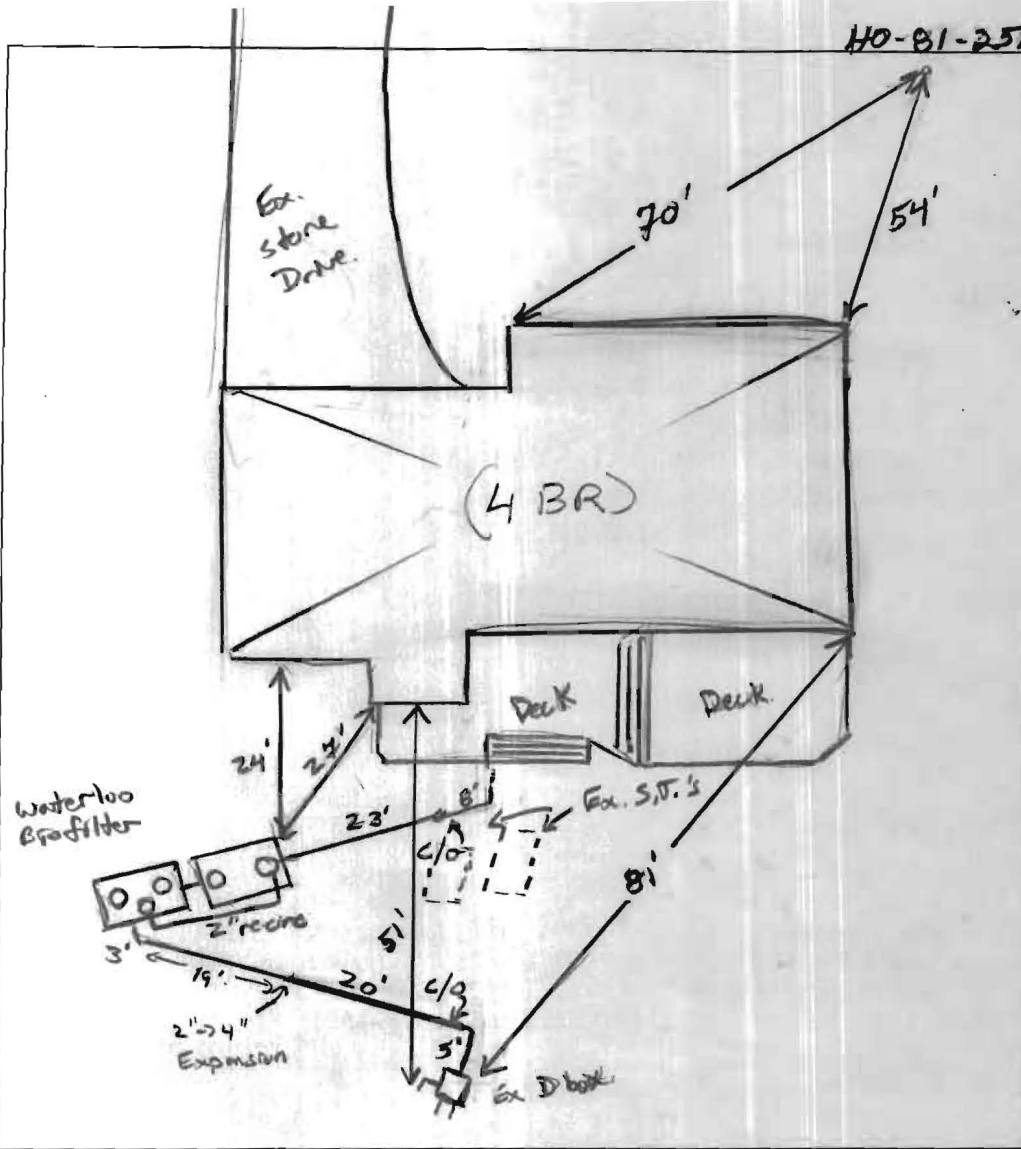
Note: * Certification start-up letter from the manufacturer needs to be submitted to the Health Dept. before the Hoot system can be approved for funding *

PLANS APPROVED: Kevin Wolf DATE: 8/19/2009

NOTES: PERMIT VOID AFTER 2 YEARS
CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
WATERTIGHT SEPTIC TANKS REQUIRED
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

**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 FOR INSPECTION OF SEPTIC SYSTEM**

HO-81-2577



| 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 _____ | | |

| Waterloo Biofilter | |
|----------------------|-----------------------|
| BAY RESTORATION FUND | |
| MANUFACTURER | <u>MD Concrete</u> |
| CAPACITY | <u>1500 GAL x (2)</u> |
| SEAM LOC | <u>Top</u> |
| TANK LID DEPTH | <u>1-3'</u> |
| BAFFLES | <u>Front</u> |
| BAFFLE FILTER | <u>Yes (Zoller)</u> |
| MANHOLE LOC | <u>Yes</u> |
| 6" PORT LOC | <u>none</u> |
| WATERTIGHT TEST | <u>—</u> |
| AERATOR TEST | <u>OK</u> |
| ALARM TEST | <u>OK</u> |
| BLOWER TEST | <u>OK</u> |

10/20/09 (1:30 pm) upon arrival to the site, contractor had both tanks (1500 gal tank + Biofilter tanks 1500 gal) installed and plumbed to house. Contractor found 2 ex. S.I.T.'s, pumped and collapsed both. Panel being installed for ATU unit. OK to backfill everything when finished. Start-up test of the ATU to be verified in field or have representative from Waterloo verify w/ certification letter (see) 10/21/09 Test of alarm, and pump/valve working. System complete. Need start-up certification letter from manufacturer (see)

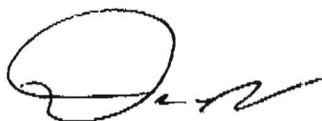
FINAL INSPECTOR H. Kalf

DATE OF APPROVAL 10/21/09

Dwayne C. Jones Contracting Inc.
T/A Jones Pump Service
731 Henderson Road
BelAir, MD. 21014
410-836-9206

Att: Kevin Wolf
Howard County Health Department

Installation of the Waterloo Biofilter System pretreatment unit was installed as per the manufactures instructions. Start up of the unit was completed on 10-21-09.



Dwayne C Jones
Jones Pump Service



MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard • Baltimore MD 21230

410-537-3000 • 1-800-633-6101

Martin O'Malley
Governor

Shari T. Wilson
Secretary

Anthony G. Brown
Lieutenant Governor

Robert M. Summers, Ph.D.
Deputy Secretary

March 16, 2009

Alan B. Helene
7157 Deer Valley Road
Highland, MD 20777

RE: Tax Map 40, Grid 8, Parcel 377

Dear Mr. Helene:

Your bid package for the Bay Restoration Fund (BRF) Onsite Sewage Disposal System (OSDS) Program has been approved for the use of funds totaling not more than \$21,891.01. The accepted bid amount is for the installation of a Waterloo Biofilter by Tri-County Contractors for your property located at 7157 Deer Valley Road. You may choose to deviate from the selected unit, however the grant award for acceptable reimbursable expenses may not exceed \$21,891.01. All grants awarded through the Maryland Department of the Environment (MDE) are reimbursable. This means that all work done prior to this letter cannot be considered for reimbursement. In order to be eligible for reimbursement you must sign and record a copy in the land records of Howard County the Agreement and Easement for Installation of Best Available Technology Systems with Bay Restoration Funds. You must provide MDE with the following:

- The contractor's and manufacturer's invoice. These invoices should include everything quoted in the bid. All expenditures greater than the bid amount will not be covered.
- A copy of the installation inspection performed by the Howard County Environmental Health program.
- A completed State Grant or Loan Payment Disbursement Request Form
- A copy of the Agreement and Easement for Installation of Best Available Technology Systems with Bay Restoration that shows that it has been recorded in the land records of Howard County.

All submitted documentation would be reviewed for compliance. Once all documentation is submitted, you will receive a payment directly from the State Comptroller's office.

The Maryland Department of the Environment thanks you for participating in this important program. If you have any further questions, please feel free to contact me at 410-537-3678 or 800-633-6101 ext 3678 or email at jboris@mde.state.md.us.

Sincerely,



John A. Boris, Jr., R.S.
Bay Restoration Fund Project Manager

Enclosure

cc: Jay Prager
Steve Krieg, Regional Consultant
Howard County Health Department



Howard County
Health Department

7178 Columbia 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

Peter L. Beilenson, M.D., M.P.H., Health Officer

March 5, 2009

Alan B. Helene
7157 Deer Valley Road
Highland, Maryland 20777

RE: Bay Restoration Fund On-site Sewage Disposal System Program

Dear Alan B. Helene,

The Health Department received your preliminary approval letter from the Maryland Department of the Environment for funding from the Bay Restoration Fund. This funding is for the installation of best available technology (BAT) for removing nitrogen as part of your on-site sewage disposal system.

Once the specific technology has been determined and approved by the Maryland Department of the Environment, you or your consultant will be responsible for providing a detailed cross-sectional/spec sheet of what is proposed to be installed at your property, i.e. new tank, BAT to be used with existing tank, etc. If a new tank is to be used, a drawing showing the new, detailed tank along with a profile showing the depth and amount of earth cover shall be submitted to this office. These details should be available from the manufacturer. If the existing tank is to be used, a structural analysis of the tank, i.e. water tightness, mid or top seam, cosmetic or physical damage, slotted, etc., needs to take place and approved by the manufacturer.

In addition, a scaled site plan showing the exact locations of the well and septic components, i.e. septic tank and dry well, must be submitted to this department for review. Neighboring septic systems and wells may need to be included on the site plan. Elevations of system components may be required based on site characteristics. Also submit contact information of the contractor that is to install the system, including a phone number. BAT systems may be subject to Howard County Health Department Code and the Annotated Code of Maryland Regulations (COMAR), i.e. setback to dwelling, existing drive, existing well, slopes, etc.

Once these comments have been addressed and allocated by the Health Department for completion in its entirety, the septic permit can then be released. A fee of \$396.00 is required to receive this septic permit for the above referenced property.

If you have further questions regarding this matter, please contact me at (410) 313-1771.

Sincerely,

Sara Sappington, R.S.
Well and Septic Program



MDE

MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard • Baltimore MD 21230
410-537-3000 • 1-800-633-6101

A19101
P44170

2 Copies

Martin O'Malley
Governor

Shari T. Wilson
Secretary

Anthony G. Brown
Lieutenant Governor

Robert M. Summers, Ph.D.
Deputy Secretary

January 6, 2009

Alan B. Helene
7157 Deer Valley Rd.,
Highland, MD 20777

RE: Tax Map 40, Grid 8, Parcel 377

Dear Alan B. Helene:

Thank you for completing an application for the Bay Restoration Fund (BRF) Onsite Sewage Disposal System (OSDS) Program. The pre-application submitted is for your property located at 7157 Deer Valley Rd, Highland, MD 20777 and shown on Tax Map 40, Parcel 377. A review of the application indicates a high priority for funding. This letter is to notify you of preliminary approval for funding from the BRF for the installation of best available technology (BAT) for removing nitrogen as part of your on-site sewage disposal system.

This notification letter is intended to assist you through the process of obtaining proper BAT installation bids and invoicing procedures to obtain funding from the BRF. The following sections outline the requirements necessary for proceeding with the project.

Submission of Bids

The applicant must acquire bids from at least three separate manufacturers and at least 2 different installers for a minimum total of 3 bids to MDE for review. The installer can act as agent on behalf of the applicant but still must also supply a separate installer bid. A list of manufacturers is included in this letter. If you need additional participating installer information please contact your designated Project Manager or go to http://www.mde.state.md.us/Water/CBWRF/osds/bat_installers.asp for a list of installers. Bids must include the following:

- The installer, whether they are a manufacturer representative or one chosen by the property owner, must submit a separate installation quote with each manufacturer bid on a separate piece of paper from the manufacturer quote or the bid will be considered incomplete.
- Bids must be itemized. The manufacturer bid is to include the purchase cost of the unit and all other MDE requirements while the installation cost of the unit is to include the unit installation, components, and labor (including electrical connections) directly related to upgrading an onsite sewage disposal system to the best available technology for removing nitrogen are eligible for funding.

The following BAT Technologies have undergone MDE review and are eligible for BRF grants:

Model Name

AdvanTex AX

Manufacturer: **Orenco Systems, Inc.** www.orenco.com
 Distributor: Robert Johnson 1-877-214-92837 bjohanson@septicssystems.net

Amphidrome

Manufacturer: **F.R. Mahony & Associates, Inc.** www.frmahony.com
 Distributor: David Kershner (610) 351-0963 d.kershner@ketllc.com

Bioclere

Manufacturer: **Aquapoint, Inc.** www.aquapoint.com
 Robbie Tippett (240) 298-7572 rtipp4@aol.com
 Sam Seymour (585) 473-3300 sseymour@aquapoint.com

Ecoflex

Manufacturer: **Premier Tech Environment**
 Allison Blodig (785) 250-3215 bloa@premiertech.com

Hoot H-Series, BNR & ANR

Manufacturer: **Hoot Aerobic Systems, Inc.** www.hootsystems.com
 Distributor: Nancy Mayer (410) 796-1434 mayerbro@connex.net

MicroFAST & RetroFAST

Manufacturer: **Bio-Microbics, Inc.** www.biomicrobics.com
 Distributor: Freemire & Associates (410) 768-8500 www.freemire.com
 rsf@freemire.com

Nitrex

Manufacturer: **Lombardo Associates, Inc** www.lombardoassociates.com
 Pio Lombardo (617) 964-2924 pio@lombardoassociates.com

ReCip RTS

Manufacturer: **Bio-Concepts, Inc.** www.bioconceptsinc.com
 Al Privette (252) 249-7040 alprivette@coastal.net

SeptiTech

Manufacturer: **SeptiTech, Inc.** www.septitech.com
 Distributor: Bruce Melton (410) 878-2952 rbmelton@progressiveseptic.com
 Western MD, Scott Everhart (304) 676-3823 www.cseenterprises.net

Singulair Model TNT

Manufacturer: **Norweco, Inc.** www.norweco.com
 Distributor: Eastern Shore - Randy Clark (800) 773-9128 ranjodan@yahoo.com
 Western Shore - Jeff Earnshaw (301) 274-3772 superiortank@olg.com

Waterloo Biofilter

Manufacturer: **Waterloo BioFilter Systems, Inc.** www.waterloo-biofilter.com
 Distributor: Jones Pump Service (410) 836-9206 manager@jonespumpservice.com

Conditions of Financial Assistance

By reading and signing this form, you agree to the limitations and conditions set forth in this document. This form must be returned with your submission of bids. Your bid submission will not be processed if this form does not accompany the bids when you submit them.

Award of Grant

- MDE will review the bids. The grant award will be obligated based on the lowest acceptable bid, however the applicant may pay the cost difference of a more expensive bid.
- The applicant will be notified by MDE as to the amount of the grant obligation and with further instructions as to how to pursue reimbursement of obligated funds.
- For awards greater than \$25,000 MDE must present a proposal to the Board Public Works for approval.
- No change orders will be accepted by MDE.
- The award amount is available for reimbursement within 6 months of Department signature on the Agreement and Easement document. Upon request of the applicant, the original 6-month period may be extended at the discretion of the Department.

Agreement and Easement

An Agreement and Easement must be completed, signed by all parties and recorded in the Land Records of Howard County Maryland. A draft copy of the Agreement and Easement is provided to you in this letter for your review. A completed Agreement will be provided to you after bids are submitted to MDE when you are notified of the grant approval amount. The purpose of this Agreement is to accomplish the following:

- To establish your voluntary participation in this program.
- To ensure that a minimum of five years operation and maintenance is performed by an approved provider (included in the upfront cost of the system).
- Allows access for State, County and the Manufacturer designee's to inspect and collect samples from the system.
- Establishes the amount of the grant award.

Local Permitting Requirements

- All required local permits must be obtained.
- Permit fees are not eligible for BRF funding.
- Contact Howard County Health Department for more information.

Page Four

Issuance of Funds from the BRF

After review of the submitted invoice and associated documents, the Office of the Comptroller of the State of Maryland will issue a check to the property owner.

Once again the Department thanks you for participating in this important program. If you have any questions, please feel free to contact me at 410-537-3678 or by email at jboris@mde.state.md.us.

Sincerely,

John A. Boris, Jr., R.S.
Bay Restoration Fund Project Manager

Enclosure

cc: Jay Prager
Steven Kreig, Regional Consultant
Howard County Health Department

AGREEMENT AND EASEMENT FOR INSTALLATION OF BEST AVAILABLE TECHNOLOGY SYSTEMS WITH BAY RESTORATION FUNDS. 000076

THIS AGREEMENT is made this 29 day of SEPTEMBER, among ALAN HILTON, 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 7157 Deer Valley Rd, in the 15th Election District of HOWARD County, Maryland, and the deed to same is recorded among the Land Records of HOWARD County, Maryland, in ELICOTT CITY and in Liber 1857 Folio 155

N/C 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.

Ta 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.

YDR HODE
Oct 06, 2003 08:53 am

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 manufacturer-approved installer will install the BAT system.
- C. Owner acknowledges and agrees the manufacturer 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 5 year period the Operation and Maintenance contract can be further extended at the behest of

DF

- the property owner. The Department and County encourage the property owner to continuously maintain an Operation and Maintenance contract during the lifetime of the system.
- 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 manufacturers designee 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 Department and/or County agree to grant \$21,891.01 toward the cost of installation of the BAT System, and financial responsibility is limited to this amount. Owner will present to the County at least 3 proposals from manufacturer and County certified system installers demonstrating the total cost of installation. Operating costs will be at the Owner's 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 except that the provisions of paragraph A, C, D and E shall be binding for a period of 5 years only after installation of the system and occupation of the home. 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.

* Being re-recorded to add HOWARD CTY HEALTH SIGNATURE
ORIGINAL LIBER 11711 FOLIO 367
IN WITNESS WHEREOF, the parties have signed and sealed this agreement on the date indicated

ABH

above.

DATE: 9/29/09

[Signature]
Owner ALAN B. HELENE

DATE: _____

Jay Prager, Division Chief,
Wastewater Permits Program
Maryland Department of the Environment

DATE: 9/29/09

[Signature]
Howard County Health Dept

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

000070

THIS AGREEMENT is made this 16th day of March, among Alan Helene, 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 7157 Deer Valley Road, in the 5th Election District of Howard County, Maryland, and the deed to same is recorded among the Land Records of Howard County, Maryland, in Ellicott City and in Liber 1857 Folio 155.

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.

70
26
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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 manufacturer-approved installer will install the BAT system.
- C. Owner acknowledges and agrees the manufacturer 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 5 year

period the Operation and Maintenance contract can be further extended at the behest of the property owner. The Department and County encourage the property owner to continuously maintain an Operation and Maintenance contract during the lifetime of the system.

- 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 manufacturers designee 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.
- 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.
- The Department agrees to grant \$ 21,891.01 toward the cost of installation of the BAT System, and financial responsibility is limited to this amount. Owner will present to the Department at least 3 proposals from manufacturer and County certified system installers demonstrating the total cost of installation. Operating costs will be at the Owner's 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.

RECEIVED
 HOWARD COUNTY HEALTH AND
 ENVIRONMENTAL DEPARTMENT
 2009 JUL 31 AM 11:35

- 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 except that the provisions of paragraph A, C, D and E shall be binding for a period of 5 years only after installation of the system and occupation of the home. 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

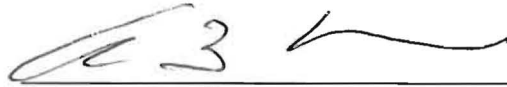
agreement. This agreement may not be modified except in writing signed by each of the parties or by their authorized representatives.

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: 4-08-09


Owner | ALAN B. HELENE

DATE: 4/9/09

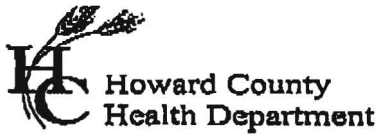

Jay Prager, Deputy Program Manager
Wastewater Permits Program
Maryland Department of the Environment

DATE: _____

Howard County Health Department

| | |
|---------------|--------------|
| IMP FD SURE # | 20.00 |
| RECORDING FEE | 20.00 |
| TOTAL | 40.00 |
| Ref# H002 | Rec# # 53553 |
| NDR 3LC | 81k # 754 |
| May 07, 2009 | 09:06 am |

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HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH
2009 JUL 31 AM 11:35



7178 Columbia 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

Peter L. Beilenson M.D., M.P.H., Health Officer

Bay Restoration Fund (BRF) Installation Questionnaire

Provide a scaled site plan with the following information. A house location survey is acceptable.

- The house footprint and any accessory structures
- Well location on the property and any neighboring wells within 100 foot of the property lines and any wells within 200 foot down grade from the septic system
- All septic systems on neighboring properties that are within 100 foot of the property lines or within 200 feet up grade from the well serving the property (records may be available from the Health Department; however, if records are not available the systems must be field located)
- Contour at two foot intervals is recommended and may be required for some installations

Will any components of the existing septic be utilized with the proposed treatment unit?
(yes, no or N/A if the component is not part of the system)

- Septic tank NO
- Pump chamber N/A
- Distribution box YES
- Drainfields YES
- Drywell N/A
- Mound system N/A
- Other N/A

If the existing septic tank or pump chamber is being utilized the tanks will need to be water tightness tested by the contractor/manufacturer of the pretreatment unit under supervision by the Health Department. Mid seam tanks must be replaced. Confirm that the tank baffles are functional. The pump chamber pumps and high water alarm will need to be tested after the installation.

If a new tank is required, are there site access restrictions? No

The contractor shall provide the following information in order to assure that the proposed installation will function properly. If an entire system is being installed, provide the waste line elevation at the point where the new system will be connected to the existing waste line. This information will be used to demonstrate that the installation will not be too deep.

- The manufacturer's recommended maximum depth of the proposed unit _____
- Elevation of the connection to the existing waste line _____
- If a new waste line from the house to the system is to be installed, include the invert elevation at the house _____

Invert elevations of the following:

(may be provided as depth below ground surface if contour is not provided)

- Septic tank inlet _____
- Septic tank outlet _____
- Distribution box _____
- Beginning of trench or drywell if there is not a distribution box _____
- Depth to top of tank _____

A system start-up certification from the manufacturer must be sent to the Health Department.

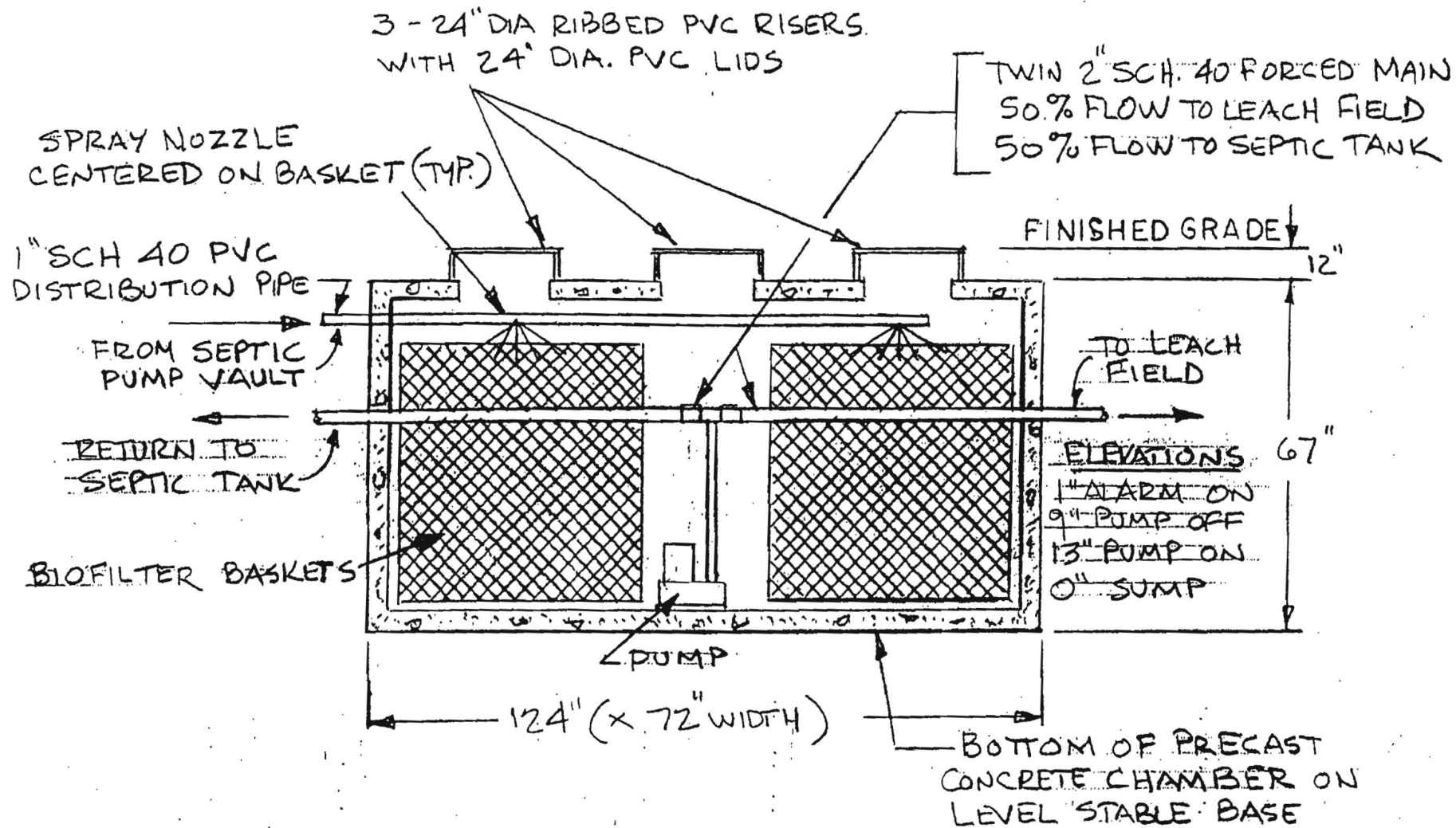
All system installations are site specific and additional information may be required.

Tri-County Contractors

Form completed by NORVAL BOWEN Date 7-21-09
Print Name

Phone # 410-984-0175

MJD 6/2009



WATERLOO BIOFILTER

DESIGN FLOW = 300-600 GPD

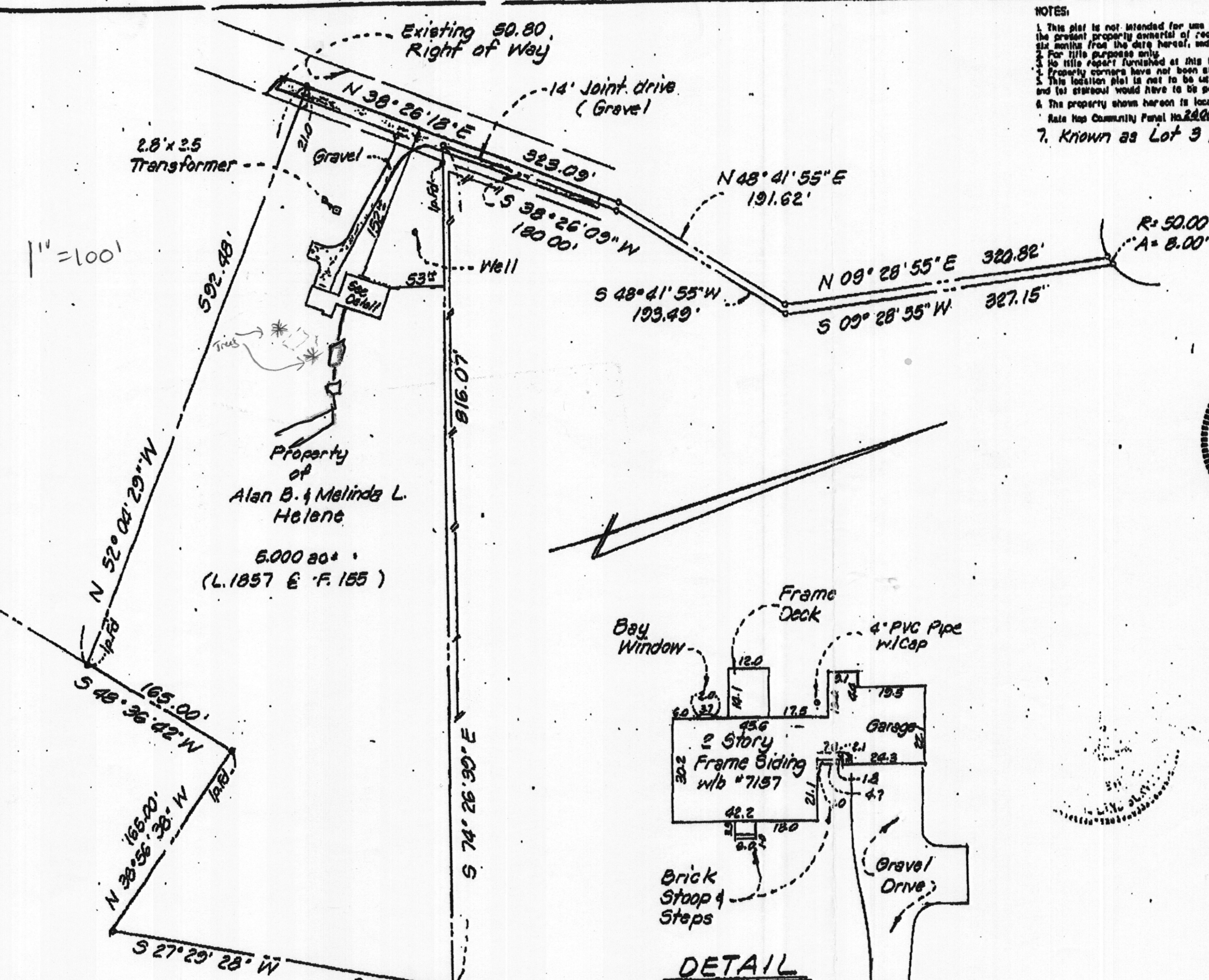
NOT TO SCALE

UNIT DELIVERED PRE-ASSEMBLED

NOTES:

1. This plat is not intended for use in the establishment of property lines, but prepared for the exclusive use of the present property owner(s) of record and/or lease with purchase, mortgage, or guarantee the title thereto within six months from the date hereof, and as to them I warrant this house location survey.
2. For title purposes only.
3. No title report furnished at this time, subject to all easements and rights of way of record.
4. Property corners have not been set with this survey. Property information was taken from best available records.
5. This location plat is not to be used for the construction of fences or other improvements. A boundary survey and lot stakeout would have to be performed to determine the location of all property lines as shown.
6. The property shown hereon is located within ZONE 2 as shown on FEMA Flood Insurance Rate Map Community Panel No. 2400044-0037B of Howard Co., Maryland.
7. Known as Lot 3, Cissel-Scott Tract.

1" = 100'



Gregory C. Bennett

Recertified 1-2-06

#103-71

SURVEYS INC.

16031 Jerald Road
Laurel, Maryland 20707
301-776-0561

SURVEYING & ENGINEERING & LAND PLANNING
PERMIT SERVICES

SURVEYOR'S CERTIFICATE

I hereby certify that the position of all the existing improvements on the above described property has been carefully surveyed by me or directly under my supervision and that they are located as shown. THIS IS NOT A BOUNDARY SURVEY.

4/4/02
DATE

Gregory C. Bennett
Gregory C. Bennett
Registered Professional
Land Surveyor, Md. #10894

HOUSE LOCATION PLAT

7157 Deer Valley Road

Lot _____, Block _____, Sec./plat _____

HELENE PROPERTY