

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: 4/24/2013

ONSITE SEWAGE DISPOSAL SYSTEM

P 545013

INSTALLATION
 APPROVAL DATE: 8/20/13

PERMIT
REPAIR W/ BAT

A Repair

PROPERTY ADDRESS: 12537 Folly Quarter Road

SUBDIVISION: Glenelg Manor

LOT: 4B TAX ID: 5358353

CONTRACTOR: Fogle's Septic Clean

EMAIL: kurt@foglesinc.com

CONTRACTOR ADDRESS: 580 Obrecht Road, Sykesville, MD 21784

PHONE: 410-795-5670

PROPERTY OWNER: Debbie Quadri

EMAIL: _____

OWNER ADDRESS: 12537 Folly Quarter Road

PHONE: 240-373-7030

BAT UNIT MODEL: Advantex AX20 → sized for 5 br

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

NUMBER OF BEDROOMS: 4 (size for 5) HOUSE SQ. FT. >3,500 APPLICATION RATE: 0.8

DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>165</u> <u>2 x 82'</u>	INLET DEPTH: <u>4'</u>
	TRENCH WIDTH: <u>2'</u>	MAXIMUM BOTTOM DEPTH: <u>9' 10'</u> <u>OK</u> <u>(KW)</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10'</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>6'</u>
LOCATION:	TRENCHES STAKED OUT IN FIELD AT TIME OF PERC TESTING. BAT UNIT LOCATION to be set below where existing septic tank is located.	
NOTES:	A test of the sensors, pump, alarm and unit itself is required. Install Advantex unit per manufacturer's specifications. *Homeowner requested to size system for 6 bedrooms. For 6 bedrooms: Linear feet of trench required for 6br will be <u>202.5'</u> . Trench inlet at <u>4'</u> , trench bottom at <u>10'</u> . Install 2x100' trenches as laid out in field. Pump and collapse ex. septic tank and drywell.	

ISSUED BY: Kevin M Wolf, REHS

ISSUE DATE: 5/16/2013

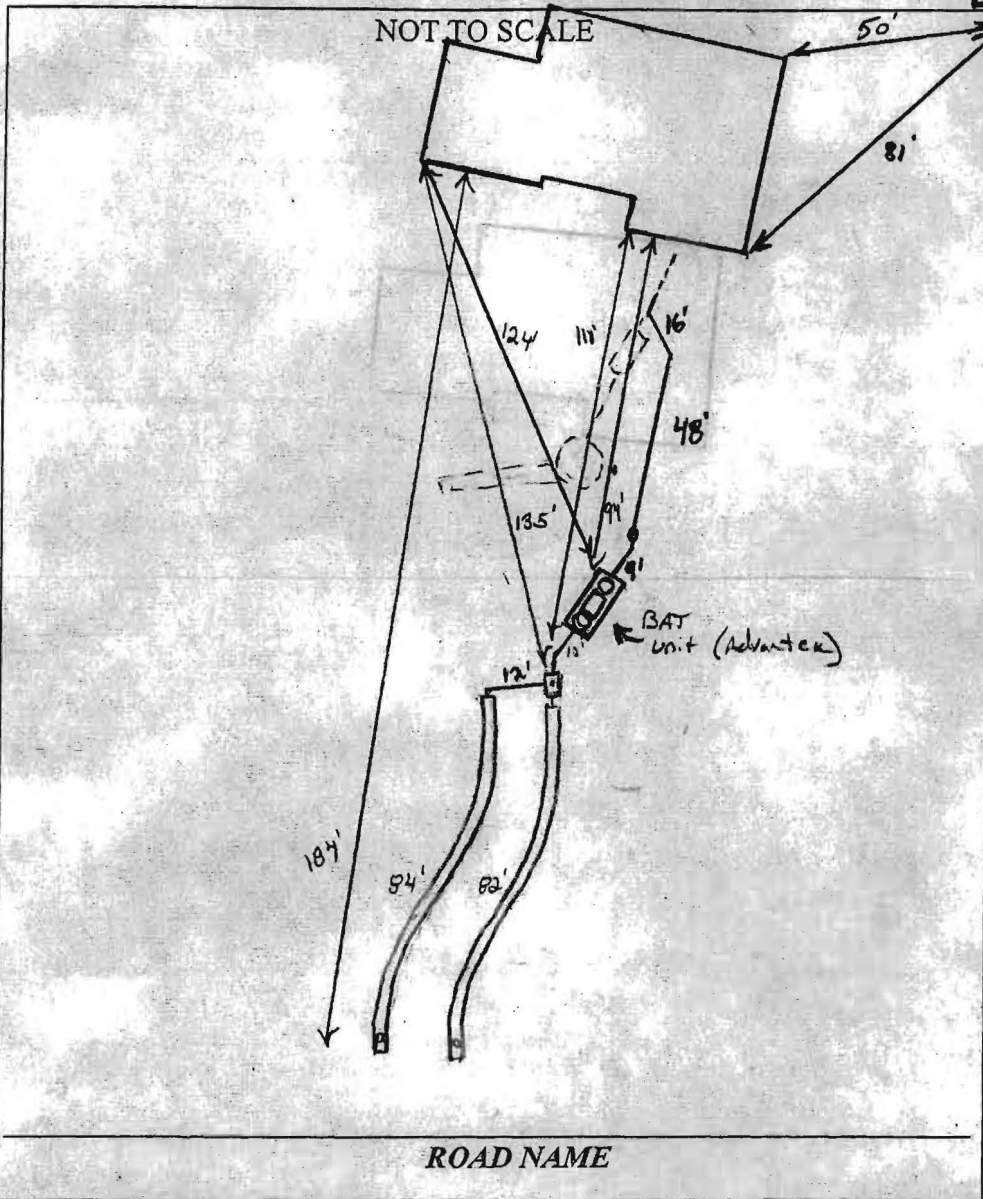
EXPIRATION DATE: 5/16/2014

- 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.



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
2'	4'	10'
NUMBER OF TRENCHES		2
TOTAL LENGTH		166'
ABSORPTION AREA		332 sq SW
DISTRIBUTION BOX LEVEL		Leveler's
DISTRIBUTION BOX BAFFLE		90° bend
DISTRIBUTION BOX PORT		Yes

Advantex model Aa20

SEPTIC TANK DATA	
SEPTIC TANK I LEVEL	Yes
MANUFACTURER	Superior
CAPACITY	~2000 GAL
SEAM LOC	Top
TANK LID DEPTH	3'-3.0'
BAFFLES	Yes per design
BAFFLE FILTER	omco standard
MANHOLE LOC	Front/Rear
6" PORT LOC	None
WATERTIGHT TEST	
SLOTTED	Yes
DATE ON LID	
PUMP/SEPTIC TANK LEVEL N/A	
MANUFACTURER	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

PRE-CONSTRUCTION:

6/5/13 Set Advantex tank on other side of swale. Will need to pick up fall from existing house sewer before ex tank. Sewer line very deep @ house (under footer). Owner wants to keep w/ 5 bedroom system design. Install ex 82' trenches as laid out during perc test. Grade around tank may need to be cut down. (KW)

INSTALLATION:

6/6/13 New line ran 1% fall to new tank. Tank hole dug. Waiting of unit. Rain coming in. OK to backfill tank after install. Advantex rep to be onsite during install (KW)
 6/11/13 Tanks and pod set per manufacturer's specs. Tank cut last week (KW)
 6/17/13 Trenches complete. No electrical/pumps installed. New system not tied in yet. (KW) 7/1/13 New system tied. Ex s.t and Drywell piped and collapsed. Need start-up report/verification from Oranco/Atlantic Solutions (KW)

FINAL INSPECTOR

[Signature]

DATE OF APPROVAL

8/20/13

*Serial to Permit
Sedg 31312*

The lot shown hereon complies with the minimum ownership and lot areas as required by Maryland State Dept. of Health and Mental Hygiene.

APPROVED: Private Water and Private Sewer

Joseph Bogdan 3-9-77
No. 90. Health Officer Date

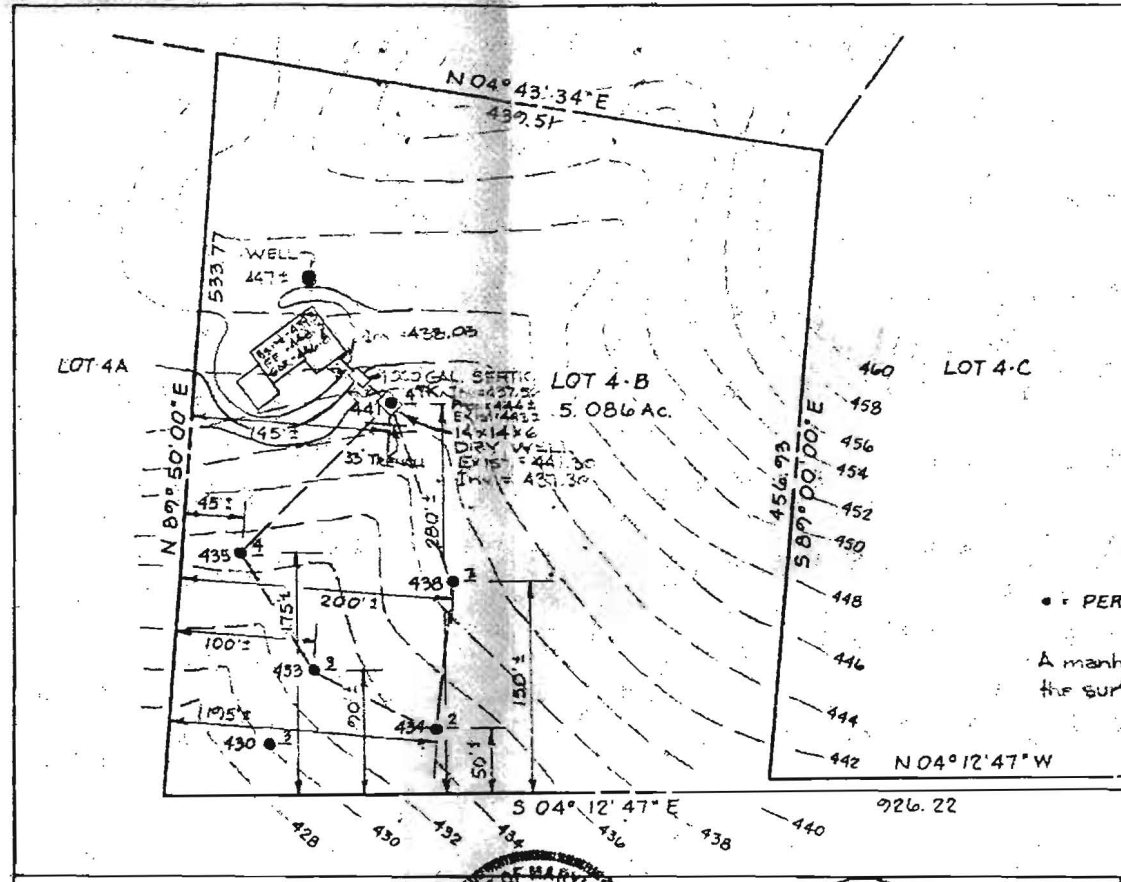
OWNER:
Donald R. Reuwer
9945 Frederick Rd.
Ellicott City, Md. 21043

*OK RM
28 Mar 77*

• PERC HOLES FIELD LOCATED

A manhole size cleanout to the surface is required.

542°34'34"E - 16.11
FOLLY QUARTER ROAD



BRUNING 40-105 11334

	REFERENCE		MERIDIAN
	RICHARD P. BROWNE ASSOCIATES CONSULTING ENGINEERS, PLANNERS WAYNE, N.J. COLUMBIA, MD.		

MAP OF PROPERTY OF
DONALD R. REUWER
SITUATED IN
GLENELG MANOR - SECTION I
5th Election District Howard County, Md.
SCALE: 1" = 100' DATE: 3-22-77

PROJECT No. _____ W. O. No. _____

DRAWN MK CHECKED _____

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

000155

THIS AGREEMENT is made this 13 day of May, among Deborah Orad, 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 12537 Folly Quarter 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 Ellicott City and in Liber HSK No 133 Folio 235.

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:

- 40
20
W
- 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.

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

000155

THIS AGREEMENT is made this 13 day of may, among Deborah Orad,
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 12537 Folly Quarter 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 Ellicott City and in Liber HSL No 133
Folio 235.

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:

- 40
20
20
- 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.
- 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 \$ 13,000 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 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

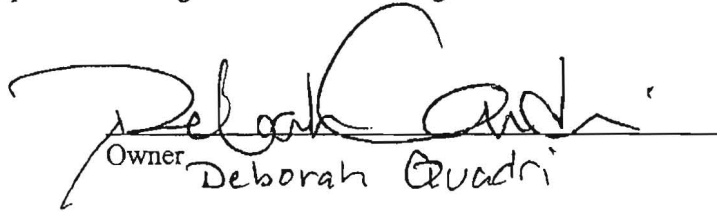
agreement. This agreement may not be modified except in writing signed by each of the parties or by their authorized representatives.

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: 13 May 2013


Owner
Deborah Quadri

DATE: 5/14/2013


Howard County Health Department

LR - Agreement Recording Fee	20.00
Grantor/Grantee Name: Quadri	
Reference/Control #: 155	
LR - Agreement Surcharge	40.00
=====	
SubTotal:	60.00
=====	
Total:	120.00
=====	
#1566048-1	
05/14/2013 12:44 CC13-NN	
#1566048 CC0503 - Howard Co	
Columbia/CC05.03.02 -	
Register 02 494	



Bureau of Environmental Health 000156
 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

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 13 day of MAY, among Deborah Ewald, 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 17537 Folly Ewald Rd, in the 4B 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 133 Folio 235

40
20
20

WHEREAS, The Lot is suitable for the installation of a conventional on-site sewage disposal system, but an advanced pre-treatment system, utilizing best available technology to perform nitrogen reduction, must be installed as part of the sewage disposal system for a 6 bedroom home with 3800 square feet of finished living space and 200 square feet of unfinished living space. Advanced pre-treatment has been required (pick one):

- To minimize the potential impact of the on-site sewage disposal system on down grade wells.
- For an existing lot of record that does not have enough area available for an initial and two replacement onsite sewage disposal systems.
- For the purpose of repairing a failing onsite sewage disposal system on an existing lot of record.

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.

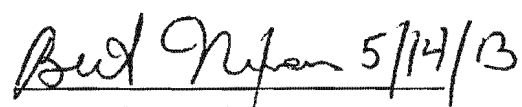
H. This agreement contains the entire agreement and understanding between the County and the Owner. There are no additional terms other than as contained in this agreement. This agreement may not be modified, except in writing signed by each of the parties or by their authorized representatives.

I. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

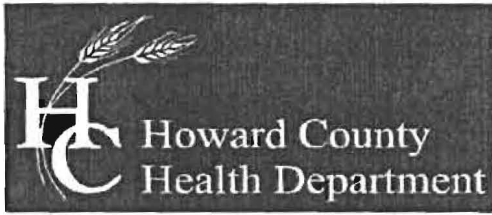
J. Owner acknowledges and agrees that interior renovations to increase the number of bedrooms or an increase in living space shall not be permitted without approval from the County.

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


Owner
Deborah Guadri
Date
5/13/13


Howard County Health Department
Date
5/14/13

Owner	Date
LR - Agreement Recording Fee	20.00
Grantor/Grantee Name: Guadri	
Reference/Control #: 156	
LR - Agreement Surcharge	40.00
SubTotal:	60.00
Total:	120.00
#1566048-5	
05/14/2013 12:44	
#1566048-CC0503 - Howard Co	
Columbia/CCAS.03.02 - Register	
02 494	
CC13-NH	



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

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 13 day of MAY, among Deborah Ewald, 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 17537 Felly Quarter Rd, in the 415 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 135 Folio 235

WHEREAS, The Lot is suitable for the installation of a conventional on-site sewage disposal system, but an advanced pre-treatment system, utilizing best available technology to perform nitrogen reduction, must be installed as part of the sewage disposal system for a 6 bedroom home with 900 square feet of finished living space and 200 square feet of unfinished living space. Advanced pre-treatment has been required (pick one):

To minimize the potential impact of the on-site sewage disposal system on down grade wells.

For an existing lot of record that does not have enough area available for an initial and two replacement onsite sewage disposal systems.

For the purpose of repairing a failing onsite sewage disposal system on an existing lot of record.

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.

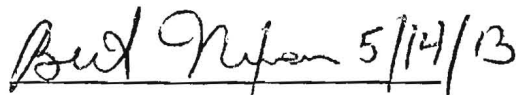
I. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

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.


Owner _____ Date 5/13/13

Owner _____ Date _____


Howard County Health Department



AdvanTex® Field Maintenance Report

Start-Up Summary Report

Atlantic Solutions, MD
(877) 814-8426

Property Owner/Tracking # Debbie Quadri		Operator <u>OWEN TOWNLEY</u>		Installed Date	
Site Address 12537 Folly Quarter, Ellicott City MD 21042				Start-Up Date 06/28/2013	
Phone Number	Permit #	Mode Mode 3A	Bedrooms	Occupants	Occupancy Date
Designer/Engineer Atlantic Solutions		Phone (401) 293-0176	Authorized Installer Fogles Septic		Phone (410) 795-5670
AdvanTex Dealer Atlantic Solutions, LTD		Phone (401) 293-0176	Electrician		Phone

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: Supercide 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: PF800S11

Floats set properly at 11 -in. 13 -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 _____

Date 6-28-2013

Fax completed form to 1-866-384-7404

Control Panel

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

Filter Pods

Pod #1 Serial No.	Pod #2 Serial No.	Pod #3 Serial No.
-------------------	-------------------	-------------------

Other System Components

Disinfection equipment (manufacturer): _____

Dispersal system (type of): GRAVITY

Declarations (Initial)

OT Orenco's Start-Up Procedure was followed.

OT All lids are secured.

OT Circuit breakers are on and control panel is latched.

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

OT Homeowner Package was reviewed with:

Builder on (date) 6-28-2013

Resident on (date) _____

The system is ready for use Yes No (explain)