

LAYOUT 7/26/2011 INSP 4 _____
INSP 2 7/27/2011 INSP 5 _____
INSP 3 7/29/2011 INSP 6 _____

ISSUE DATE: 6-20-11
APPROVAL DATE: 8/1/2011

SEPTIC PERMIT

LPD SYSTEM WITH PRETREATMENT

P 535235
A _____

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

J&M Contracting IS PERMITTED TO INSTALL ALTER

ADDRESS: 425 Obrecht Road Sykesville, MD 21784 PHONE NUMBER: 443-277-7526

SUBDIVISION _____ LOT _____

ADDRESS: 421 Woodbine Road PROPERTY OWNER: Bernadette Braun

Norweco Singulair TNT model 750gpd (nitrogen pretreatment unit) 1600 **Top Seamed**

PUMP CHAMBER CAPACITY (GALLONS): 1000 **Top Seamed**

LPD Distribution System – see detailed design plans by HCHD, signed 6/20/2011

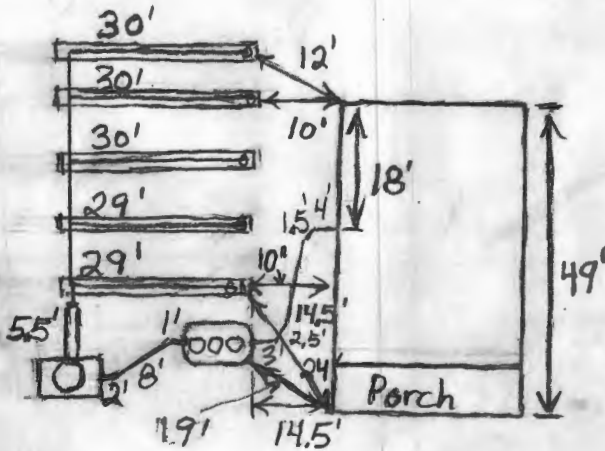
LOCATION:	Trench locations to be staked at the site. Five trenches to be located on left side of house 1' from base of slope, 10' from house, 2' wide, 30' length, 6' separation between trenches. Trenches to have 1' inlet depth, 3' bottom depth with 2' of approved stone beneath piping.
NOTES:	Call for layout inspection prior to beginning construction. System will require a start-up demonstration for proper evaluation. Pre-treatment unit must have final approval from manufacturer. Install system as per approved plans dated 6/20/2011.

PLANS APPROVED: Jeff Williams DATE: 6/20/2011

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFIED OTHERWISE
- 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 FOR INSPECTIONS

NOT TO SCALE



Woodbine Road

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	1'	3'
NUMBER OF TRENCHES		5'
TOTAL LENGTH		148'
ABSORPTION AREA		444 + Sidewall
DISTRIBUTION BOX LEVEL		N/A
DISTRIBUTION BOX BAFFLE		N/A
DISTRIBUTION BOX PORT		N/A

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Noweco
CAPACITY	GAL
SEAM LOC	Riser
TANK LID DEPTH	1.5-2'
BAFFLES	Front
REAR FILTER	Rear
MANHOLE LOC	Front, Middle, Rear
6" PORT LOC	None
WATERTIGHT TEST	No
SLOTTED	No
DATE ON LID	N/A
PUMP/SEPTIC TANK LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	1000 GAL
SEAM LOC	Tap
TANK LID DEPTH	1.5'
BAFFLES	None
BAFFLE FILTER	No
MANHOLE LOC	Middle
6" PORT LOC	None
WATERTIGHT TEST	No
SLOTTED	No
DATE ON LID	5/24/11

PRE-CONSTRUCTION:

7/26/2011 Trenches laid out. Changed trenches from 2' wide to 3' wide. (BB)

INSTALLATION:

7/27/2011 Trenches and lateral network installed. (BB)

7/29/2011 Pump tank installed and laterals tested. Four feet of head at top lateral. (BB)

8/1/2011 Pump and alarm working. To receive certification from Noweco installer that tank was set up and installed properly. (BB)

FINAL INSPECTOR

B. Baker

DATE OF APPROVAL

8/1/2011

PUB. SEWER STATUS VERIFIED BY _____

ISSUE DATE: _____

APPROVAL DATE: _____

P 534418

A REPAIR

PERMIT

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

J,M Contracting LLC. IS PERMITTED TO INSTALL ALTER

ADDRESS: 425 Obrecht Road Sykesville, MD 21784 PHONE NUMBER: 443-277-7526

SUBDIVISION: _____ LOT NUMBER: _____

ADDRESS: 421 Woodbine Road PROPERTY OWNER: Bernadette Braun

SEPTIC TANK CAPACITY (GALLONS): N/A

PUMP CHAMBER CAPACITY (GALLONS): _____

NUMBER OF BEDROOMS: _____

SQUARE FEET OF HOUSE: _____

LINEAR FEET OF TRENCH REQUIRED: _____

TRENCHES:	
LOCATION:	
PURPOSE:	

PLANS APPROVED: _____ DATE: _____

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NEITHER THE HOWARD COUNTY COUNCIL OR 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

NOT TO SCALE

TRENCH/DRAINFIELD DATA

WIDTH INLET BOTTOM

NUMBER OF TRENCHES _____

TOTAL LENGTH _____

ABSORPTION AREA _____

DISTRIBUTION BOX LEVEL _____

DISTRIBUTION BOX BAFFLE _____

DISTRIBUTION BOX PORT _____

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL _____

MANUFACTURER _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH _____

BAFFLES _____

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST _____

SLOTTED _____

DATE ON LID _____

PUMP/SEPTIC TANK LEVEL _____

MANUFACTURER _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH _____

BAFFLES _____

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST _____

SLOTTED _____

DATE ON LID _____

ROAD NAME _____

PRE-CONSTRUCTION: -

12/13/2010 Repair cancelled. The problem was a blocked pipe. (AB)

INSTALLATION: _____

FINAL INSPECTOR _____

DATE OF APPROVAL _____

Back River Pre-Cast, LLC

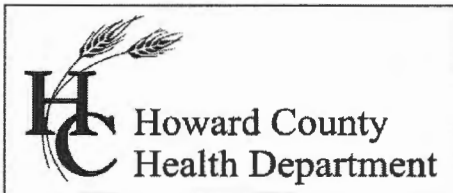
PO BOX 329
Glyndon, MD 21071
Phone # 410-833-3394
Fax # 410-833-4116

Letter of Certification

This is to certify that the Norweco Singulair Green Septic Tank installed at 421 Woodbine Rd. Woodbine, MD was installed according to the manufacture's specifications.



MATTHEW GECKLE
Vice-President



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

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

July 25, 2011

Bernadette Braun
421 Woodbine Road
Woodbine, MD 21797

Re: **Variance request**
421 Woodbine Road
Woodbine, MD 21797

Dear Ms. Braun:

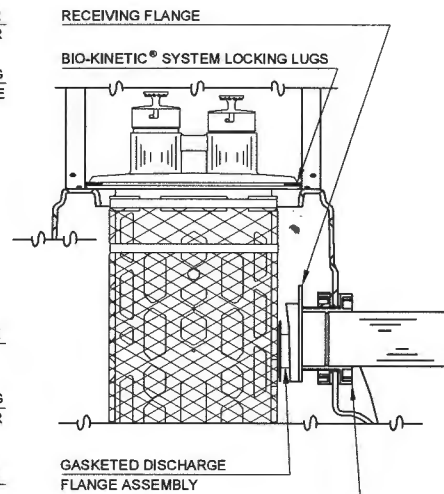
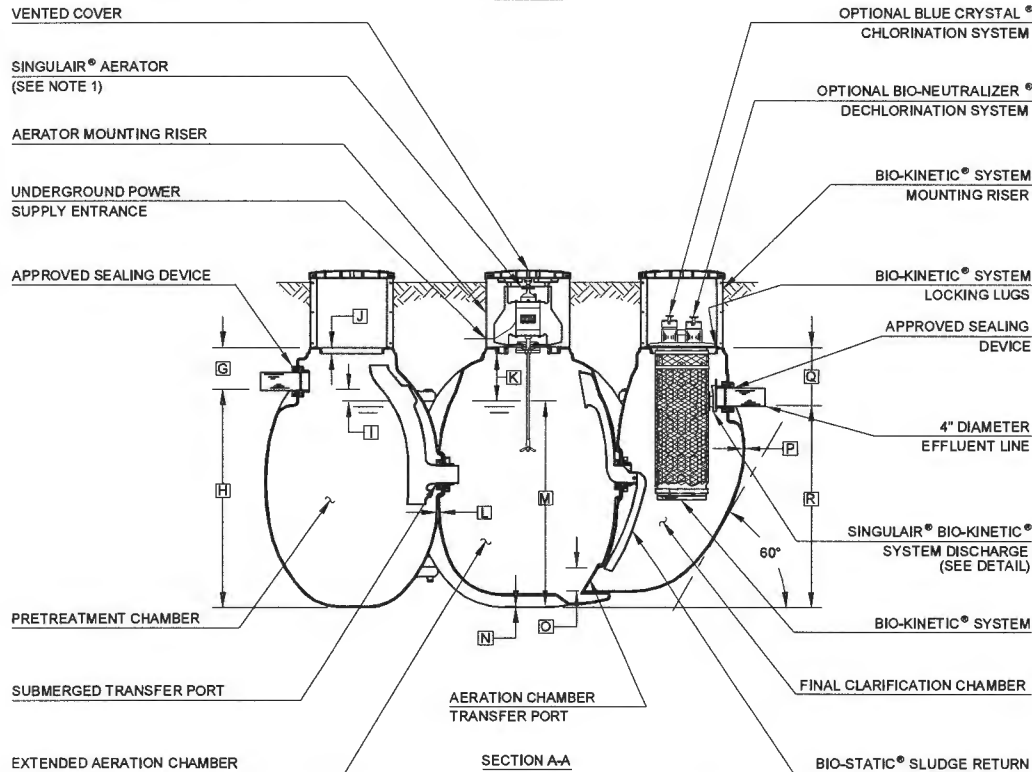
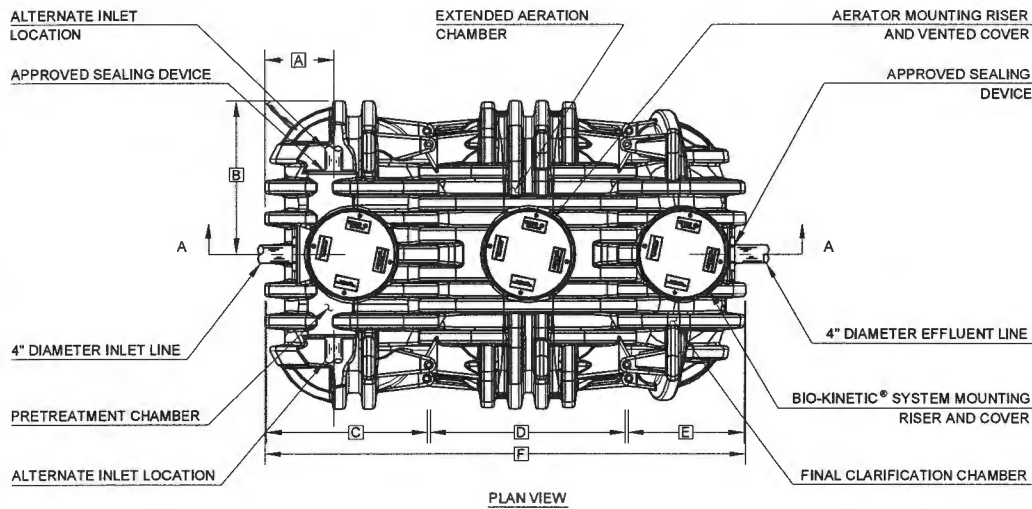
The Health Department has received your variance request dated July 20, 2011 for the above referenced property. Maryland Department of the Environment has accepted our recommendation to approve a variance allowing the on-site sewage disposal system (OSDS) to be located less than the setback distance of 100 feet to a water body required under the Code of Maryland Regulations 26.04.02.04(J)(9). This approval is subject to the following conditions:

- **The OSDS will include an advanced pretreatment unit utilizing Best Available Technology to remove nitrogen. The Health Department requires you to continuously maintain an Operation and maintenance contract with a qualified service provider for as long as you own the property. If the property should be sold, this information along with any recorded agreements must be disclosed to the new owner.**
- **The OSDS will include a pump tank that will demand dose the effluent to a conventional low pressure dosing system.**
- **The pretreatment unit and the pump tank will be tested to verify water tightness before or during the installation process.**

If you have any questions regarding this variance approval, you may contact me at the above address or by calling 410-313-4261.

Jeff Williams, R.S.
Howard County Health Department

Steven Krieg, R.S.
Maryland Department of the Environment

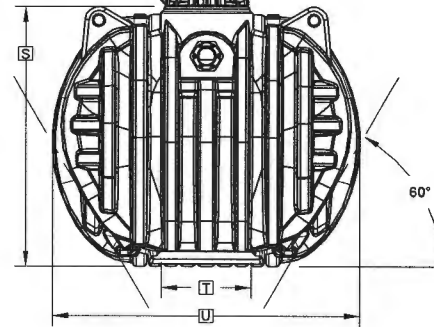


APPROVED SEALING DEVICE TO 4" DIAMETER EFFLUENT LINE

BIO-KINETIC® SYSTEM DISCHARGE DETAIL

BIO-KINETIC® SYSTEM MOUNTING RISER AND COVER

GASKETED RISER



OUTLET END VIEW

NOTE: TOTAL SYSTEM CAPACITY: 1,300 GALLONS
RATED CAPACITY: 500 GALLONS PER DAY

GENERAL NOTES:

- ① SINGLAIR® AERATOR, AS TESTED AND ACCEPTED BY NSF.
- ② FALL THROUGH SINGLAIR® PLANT FROM INLET INVERT TO OUTLET INVERT IS FOUR INCHES. INLET INVERT IS TEN AND ONE HALF INCHES BELOW TANK TOP.
- ③ ON DEEPER INSTALLATIONS, RISERS MUST BE USED TO EXTEND AERATOR MOUNTING RISER AND BIO-KINETIC® SYSTEM MOUNTING RISER TO GRADE. INSPECTION COVER ON PRETREATMENT CHAMBER MUST BE DEVELOPED TO WITHIN TWELVE INCHES OF GRADE.
- ④ REMOVABLE COVERS ON RISERS ARE EACH SECURED TO PREVENT UNAUTHORIZED ACCESS.
- ⑤ CONTACT THE LOCAL, LICENSED SINGLAIR® DISTRIBUTOR FOR ELECTRICAL REQUIREMENTS.

PROJECT ENGINEER'S APPROVAL:
I (WE) HEREBY CERTIFY THAT THIS DRAWING HAS BEEN CHECKED AND IS APPROVED FOR USE IN CONFORMITY WITH THE CONTRACT DOCUMENTS.

DATE: _____

NAME: _____

CONTRACTOR'S CERTIFICATION:
I (WE) HEREBY CERTIFY THAT THIS DRAWING HAS BEEN CHECKED AND IS APPROVED FOR USE IN CONFORMITY WITH THE CONTRACT DOCUMENTS.

DATE: _____

NAME: _____

CRITICAL DIMENSIONS

A	1'- 5 1/2"	N	0'- 0 3/8"
B	3'- 3"	O	0'- 6"
C	3'- 5 1/4"	P	0'- 0 3/8"
D	4'- 1 3/4"	Q	1'- 2 1/2"
E	2'- 5 3/4"	R	4'- 3 1/2"
F	10'- 3"	S	5'- 6"
G	0'- 10 1/2"	T	1'- 11"
H	4'- 7 1/2"	U	6'- 6"
I	0'- 3"	V	
J	0'- 1 1/2"	W	
K	1'- 0"	X	
L	0'- 0 3/4"	Y	
M	4'- 4"	Z	

U.S. AND FOREIGN PATENTS PENDING		DESIGNED BY	BDS
		APPROVED BY	JMM
	SINGLAIR® GREEN 960 - 500 SYSTEM	DATE	8-4-10
		SCALE	NTS
© MMX		DESIGNED BY	PC-5-7122



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

Tuesday, March 15, 2011

Donald Bach
Director of Sales
Norweco Inc.
220 Republic St.
Norwalk, OH 44857-1156

SUBJECT: Approval of Norweco Singlair Green Bio-Kinetic model for grant eligibility under the Bay Restoration Fund.

Dear Mr. Bach:

On behalf of the Best Available Technology (BAT) Review Team, I would like to inform you that the Norweco Singlair Green Bio-Kinetic system has received approval for grant eligibility under the Bay Restoration Fund (BRF). The following documents were used in the approval process:

1. NSF 245 Norweco Singlair TNT (November 2007)
2. North American Testing LLC Evaluation Certification Report, (November 2010)
3. North American Testing LLC Evaluation Certification Report, (March 2010)

The data received from the reports were analyzed to obtain the 75th percentile of the TN effluent concentration and the percent reduction. For grant eligibility the system has to either have a TN percent reduction of at least 50% or an effluent concentration of 20 mg/l or less with influent concentrations greater than 40 mg/l. The analysis showed that the system met one or both of the criteria. Additional climatological information was used to analyze performance of systems during cold conditions.

The approval of the system is for residential units with flows up to 1000 gpd. For flows greater than 1000 gpd and/or for non-residential discharges, funding eligibility for BATs will be determined based upon a review of an engineering design submitted by a licensed engineer.





MARYLAND DEPARTMENT OF THE ENVIRONMENT

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Secretary

Anthony G. Brown
Lieutenant Governor

Robert M. Summers, Ph.D.
Deputy Secretary

Memorandum

TO: Manufacturers and Vendors of Best Available Technologies (BAT) Approved for use under the Bay Restoration Fund (BRF)

FROM: Jay Prager, Deputy Program Manager
Wastewater Permits Program

DATE: July 13th, 2010

SUBJECT: Changes to site selection and BAT field verification process

Upon approval to the Bay Restoration Fund (BRF) program, all Best Available Technologies (BAT) have to undergo the field verification component, which includes sampling of 12 sites over a one year period. In the past, the Department has allowed the sampling at the initial 12 BAT's funded through the program, with the option of using non-BRF funded BAT's as sampling sites upon approval through MDE. Effective immediately this policy will be changed so that the first 12 BAT's installed and operational after approval (both BRF and non-BRF funded) will be monitored. The BAT sampling protocol will not change. Non BRF systems installed prior to the date of this memorandum are not required to be sampled as part of the field verification.

In order to facilitate tracking of BAT's being sampled, as well as operation and maintenance, MDE requests that the manufacturer report on a monthly basis all BAT units installed in the state of Maryland, both BRF funded or not. Also effective immediately, any BAT technology accepted into the program will have unlimited access to the market until field verification is completed.

Please contact me if you have any questions on this matter.

Williams, Jeffrey

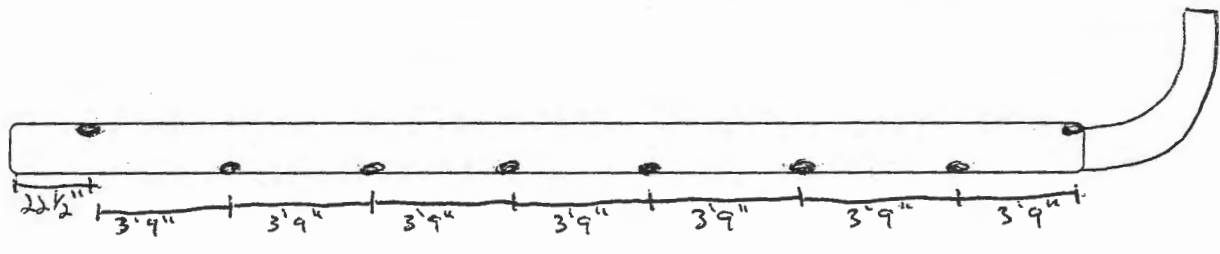
From: 124hratm@comcast.net
Sent: Thursday, July 28, 2011 2:37 PM
To: Williams, Jeffrey
Subject: NORWECO TANK

Jeff, my sand supplier says C-33 sand is 103 lbs. density, so we are good.

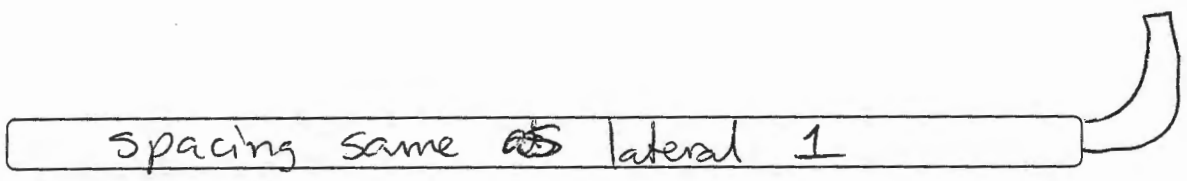
MATT GECKLE
BACK RIVER PRE-CAST,LLC

COURAGE IS BEING SCARED TO DEATH-
BUT SADDLING UP ANYWAY

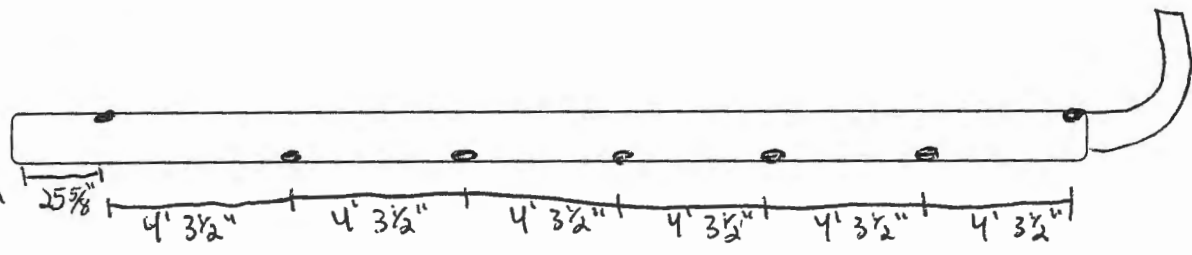
lateral 1
28' 1 1/2" length
8 perforations



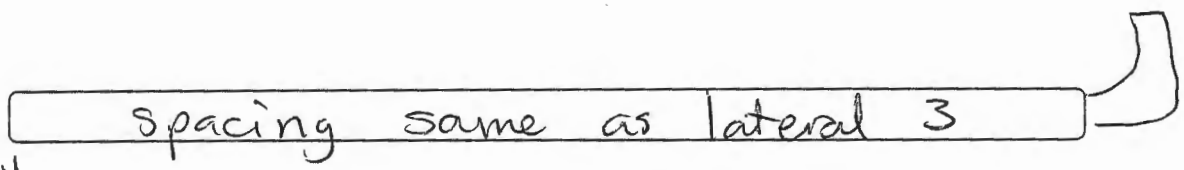
lateral 2
28' 1 1/2" length
8 perforations



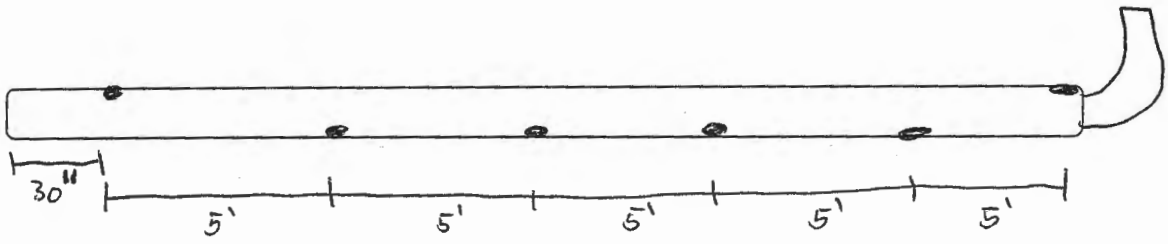
lateral 3
27' 10 3/8" length
7 perforations



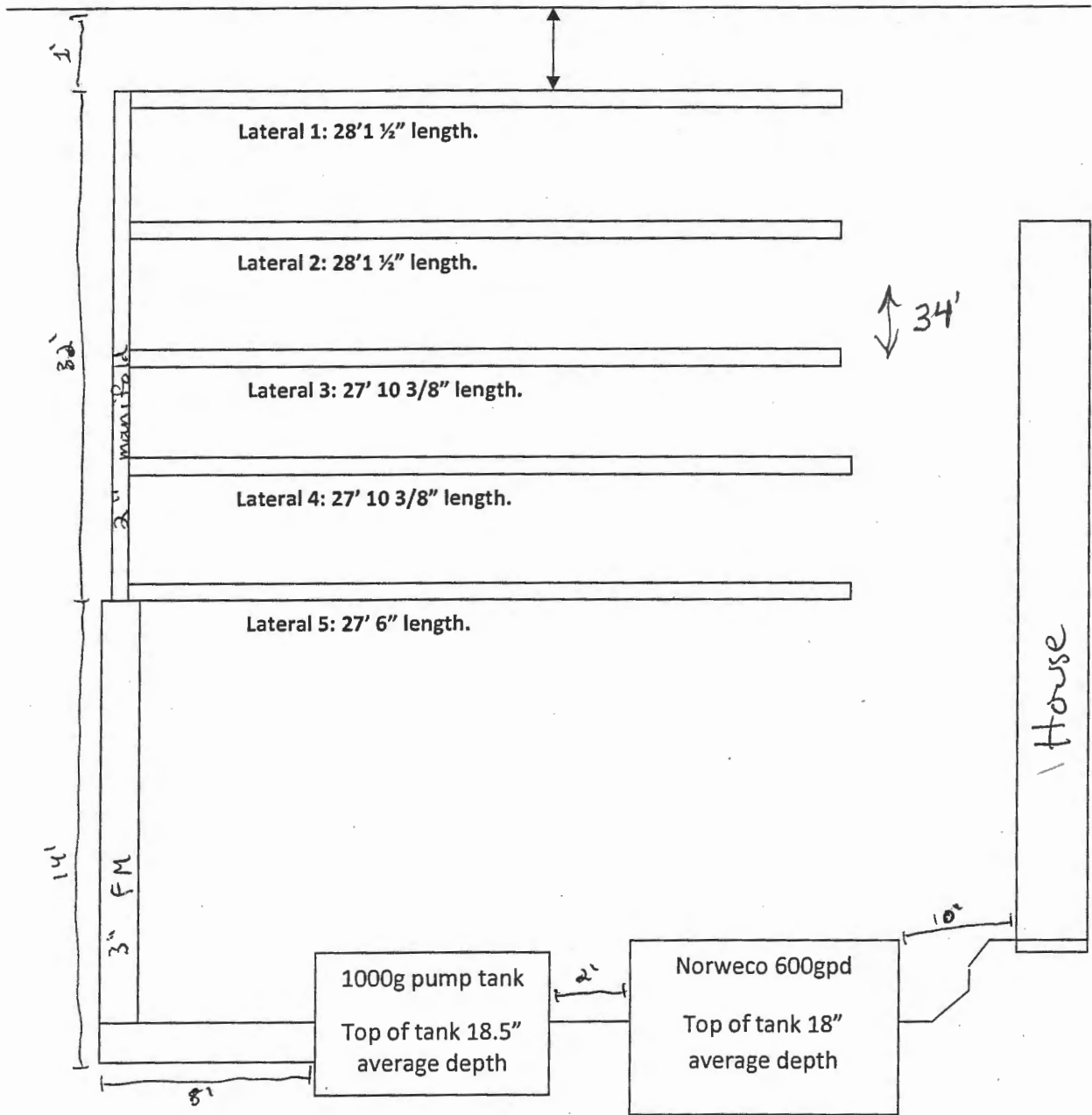
lateral 4
27' 10 3/8" length
7 perforations



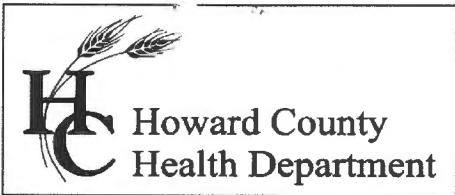
lateral 5
27' 6" length
6 perforations



36 Holes
~ 50 gpm



- Install 5 laterals of 1 1/2" PVC sch40 pipe in 2' wide trenches with 6' separation between trenches. Uppermost trench shall be 1' from base of steep slope. Trenches should extend 2' beyond distal end of laterals.
- Forcemain shall be 3" PVC sch40 pipe and manifold shall be 2" PVC sch40 pipe.
- Trench inlets shall be at 1' depth with trench bottom at 3' depth and 2' of stone beneath laterals.
- Laterals shall have 1/4" perforations at spacing shown on second sheet detail. The first and last perforation of each lateral shall point up and all others shall point down.
- Turn-ups shall be installed on the distal ends of each lateral to grade and protected by a turf box.
- A ball valve shall be installed downstream of the pump disconnect and a 1/4" weephole shall be drilled downstream of the ball valve before the pipe leaves the pump chamber.
- Norweco tank shall be installed with center of lid 18" below existing grade. Pump chamber shall be installed with center of lid 18.5" below existing grade.
- Pump-off float shall be installed 12" from bottom of tank. Pump-on float shall be installed 3" from pump-off float, and alarm float shall be installed 6" from pump-on float. Pump shall be installed on 6" block in bottom of pump tank.
- The pump shall be sized to provide a minimum of 73.5 gallon dose at 50.16 gallons per minute.



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

000144

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

OPERATION AND MAINTENANCE AGREEMENT
FOR AN ON-SITE SEWAGE DISPOSAL SYSTEM
HAVING AN ADVANCED PRE-TREATMENT SYSTEM

THIS AGREEMENT is made this 20th day of July, among Bernadette Braun, 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 421 Woodbine Road, Woodbine, MD 21797, in the 4th 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 02885 Folio 478.

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 4 bedroom home with 1600 square feet of finished living space and 64 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.

X 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

Handwritten notes: 40, 20, 1.00 - C, S.W.C.C.

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.

Bernadette Braun 20 July 2011
 Owner/ Date Owner Date

BERNADETTE BRAUN

Michael J. Carver 7/20/2011

for Howard County Health Department
 Peter L. Beilenson, M.D., M.P.H., Health Officer

TRF PD DURE 3	42.00
RECORDING FEE	28.00
CERTIFIED COPY	3.00
PHOTOCOPY-A	1.00
TOTAL	74.00
REC'D HOWE	REC'D # 17922
REC'D KMC	REC'D # 647
JUL 26, 2011	00:25 PM

Document Separator



Document Separator

STATE OF MARYLAND, HOWARD COUNTY, TO WIT:

I HEREBY CERTIFY that the foregoing is a true copy of the original
Operation & Maintenance Agreement / Sewage Disposal recorded in
Liber MDR No. 13344 Folio 362 etc., one of the Land Records
of Howard County, Maryland.

IN TESTIMONY WHEREOF, I hereto set my hand
and affix the seal of the Circuit Court for Howard
County this 20th day of July, 2011

Margaret D. Rappaport

Clerk of the Circuit Court of Howard County, Maryland

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

THIS AGREEMENT is made this 20 day of July, among Bernadette Braun, 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 421 WOODBINE RD in the 4th Election District of Howard County, Maryland, and the deed to same is recorded among the Land Records of Howard County, Maryland, in Columbia and in Liber 02885 Folio 478.

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 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 up to \$12,307 toward the cost of installation of the BAT system, and financial responsibility is limited to this amount. Operating cost 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: 20 July 2011

Benedette Braun
Owner

DATE: 7/20/2011

Michael J. Davis
Howard County Health Department

20 July, 2011

Mr. Jeff Williams
Program Supervisor, Well and Septic Program
Bureau of Environmental Health
Howard County Health Dept.

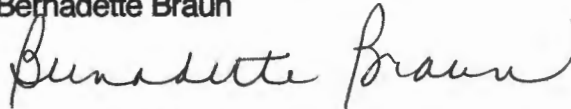
Mr. Steve Krieg
Regional Onsite Systems Consultant
Maryland Dept. of the Environment

Gentlemen,

Please accept this letter requesting a variance from the standard one hundred (100) foot setback from a septic system to a stream.

The proposed and approved BRF tank being installed will be forty (40) feet from the stream.

Thank you for your attention to this matter,
Bernadette Braun

A handwritten signature in cursive script that reads "Bernadette Braun". The signature is written in black ink and is positioned below the typed name.

421 Woodbine Rd.
Woodbine, MD 21797

Williams, Jeffrey

From: Bernadette Braun [skydiva4eva@verizon.net]
Sent: Sunday, April 10, 2011 6:39 AM
To: Williams, Jeffrey
Subject: septic permit

Dear Mr. Williams,

Regarding our conversation concerning the application for my septic system, please consider this my official request to cross off Mr. Heaps name as applicant and leave it blank at this time.

Thank you for your time and consideration in this matter.

Bernadette Braun
421 Woodbine Rd.
Woodbine, MD 21797
443.418.8897 -mobile

norweco[®]

SINGULAIR GREEN[®] BIO-KINETIC[®] WASTEWATER TREATMENT SYSTEM TANK DELIVERY AND SETTING

To insure that all work proceeds safely and efficiently, check these items prior to delivery of the Singulair Green tank.

- ✓ Does the driver have complete and accurate directions to the installation?
- ✓ Does the driver have the Singulair installer's tool kit?
- ✓ Are the appropriate aerator mounting riser, vented access cover, Bio-Kinetic system mounting riser, pretreatment riser, sealed access covers and extension risers included?
- ✓ Are additional anti-flotation measures required for this installation?
- ✓ Is a sufficient amount of water and gravel available for the installation?
- ✓ Is an adequate supply of sealing material available for all plumbing connections?
- ✓ Does the delivery vehicle have the proper pick-up bar, cable, straps and/or chain?
- ✓ Is the proper Service Pro control center available for delivery with the tank?
- ✓ Is there sufficient underground electrical cable to reach from the control center to the tank?

PLEASE NOTE: The Singulair Green tank is constructed of high density polyethylene. All joints have been factory sealed for your convenience. This will minimize tank loading, unloading and setting time at the site. The Singulair Green tank has been designed for underground use only. Do not install the tank in a location that is subject to vehicular traffic.

CHECKING THE EXCAVATION

Before tank setting begins, verify that the excavation is level and free of sharp stones and construction debris. Clear out any objects that could come in contact with the tank.

The length, width and depth of the excavation should be checked. The excavation should have sufficient overdig to allow between 18" to 24" of clearance on both sides and 6" to 12" of clearance on the inlet and outlet ends of the Singulair Green system. In addition, the excavation should allow for a minimum of 6" and a maximum of 16½" of cover over the top of the tank. For deeper installations, consult the Deeper Burial Requirements section of this guide. Failure to follow the excavation and backfilling guidelines may result in tank damage and will void the system warranty.

Check the influent and effluent sewer line trenches. The trench depth should correspond with the Singulair Green system inlet and outlet connections and the trenches should be smooth to prevent damage to the sewer lines.

A tank leveling pad should be installed in the bottom of the excavation. The leveling pad should be a minimum of 4" thick and leveled to within ¼" from side to side and end to end. The elevation of the top of the leveling pad should

correspond to the outside bottom of the Singulair Green tank when installed. In areas with unstable soil conditions, a reinforced concrete pad may be required under the Singulair Green tank.

Safe working conditions must be established and maintained during the entire installation procedure. Unstable soil conditions require constant monitoring of the site to insure safety. Installation procedures, equipment and personnel should always comply with applicable safety regulations as well as all federal, state and local codes.



TANK WITH DELIVERY TRAILER

Do not install the Singulair Green tank in saturated clay, areas with a high water table, bogs, swampy areas, landfills where the soil is soft or wet, areas containing expansive soils or soils with an ultimate bearing capacity of less than 1,500 psf. Failure to follow these directions may result in damage to the tank and will void the system warranty.

Underground electrical cable for electrical service to the Singulair aerator should be installed in the influent sewer line trench before backfilling the Singulair Green tank. Refer to the "ELECTRICAL WIRING AND CONTROL CENTER INSTALLATION" instructions for complete details.

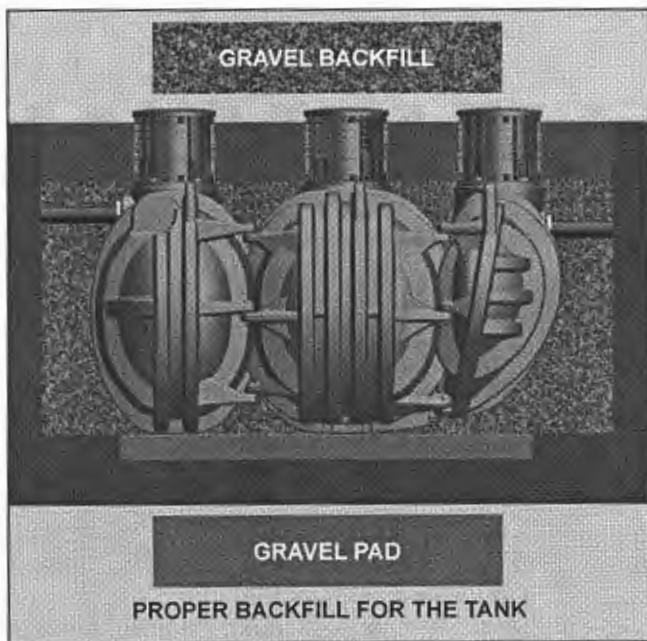
CAUTION: Do not attempt to adjust the position of the tank or sewer lines with the backhoe bucket. Excessive force may damage the inlet and/or outlet couplings.

GROUND WATER RELIEF POINT

The effluent sewer line should be installed with a ground water relief point to prevent back-up into the system if the effluent discharge point is blocked or flooded. This device can be constructed by installing a pipe tee in the effluent sewer line and extending it to grade. The relief point must be at a lower elevation than the outlet invert of the Singulair Green tank. The extension to grade should be installed with a suitable screen to prevent access to the sewer line.

BACKFILLING THE GREEN SYSTEM

Prior to backfilling, add a minimum of 12" (250 gallons) of ballast water to the Singulair Green tank to prevent shifting in the excavation. Fill each chamber to an equal level. Do not add water through the clarifier access opening. The clarification chamber will be filled through the transfer opening between the aeration and clarification chambers as the aeration chamber is filled. The Singulair Green tank must be backfilled immediately after the sewer lines, underground electrical cable and ballast water are in place.

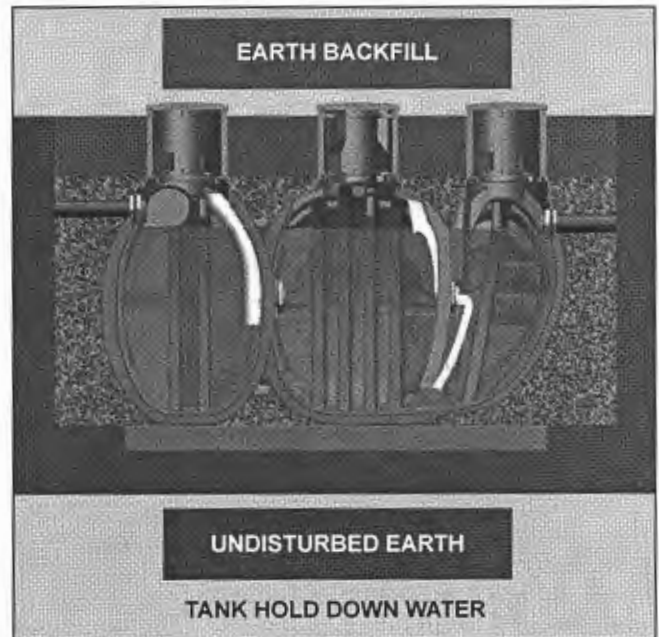


Cover all openings, then begin backfilling with gravel under and around the sloped clarifier. Continue to add gravel until the discharge line from the Singulair Green tank is covered. Proceed to the inlet end of the pretreatment chamber and add gravel until the inlet line is covered. Fine, loose earth may be used to backfill the remainder of the excavation.

Be sure that the backfill is free of rocks, sharp objects, large clumps of earth and construction debris. Never use clay for backfill material. The backfill must flow freely and care should be taken to insure that all recesses formed between the ribs and beneath the area between the pretreatment and aeration chambers are completely filled. Add backfill evenly around the entire perimeter of the Singulair Green tank in 12" increments. Hand tamp each layer of fill to compact soil. When backfilling over the tank, add fill to the area between the risers first. Final grading should be 3" to 6" below the top of each access cover and should slope away from the tank so surface runoff will drain away from the Singulair Green system. Use extreme care when backfilling the excavation. Do not allow dirt or mud to enter any part of the Singulair Green system or sewer lines.

TANK HOLD DOWN WATER

The Singulair Green tank must be filled with clean water to the outlet invert immediately following backfilling. The water must be free of leaves, mud, grit or other materials that might interfere with system operation.



When pumping or dewatering the Singulair Green tank, only pump the pretreatment chamber. Then, promptly refill the tank to capacity with clean water. Dewatering and leaving the Singulair Green tank empty will effect tank integrity and void the Singulair Green warranty.

DEEPER BURIAL REQUIREMENTS

Special consideration should be taken if the Singulair Green tank is buried deeper than 16 1/2" below grade. However, the tank should never be buried deeper than 34 1/2" below grade. If deep burial is required, first fill the tank with 12" of clean ballast water. Next, backfill the entire tank with gravel up to the base of the risers. Once gravel is in place, fill the tank with clean water to the design flow line. Finally, backfill to grade with native soil.

TEMPORARY UNIT STORAGE

If a Singulair Green tank is delivered before installation can occur, store the tank on smooth ground with no rocks or sharp objects against the tank. Chock the tank with sandbags to prevent tank movement. If high winds are anticipated, tie the tank down to prevent any damage.

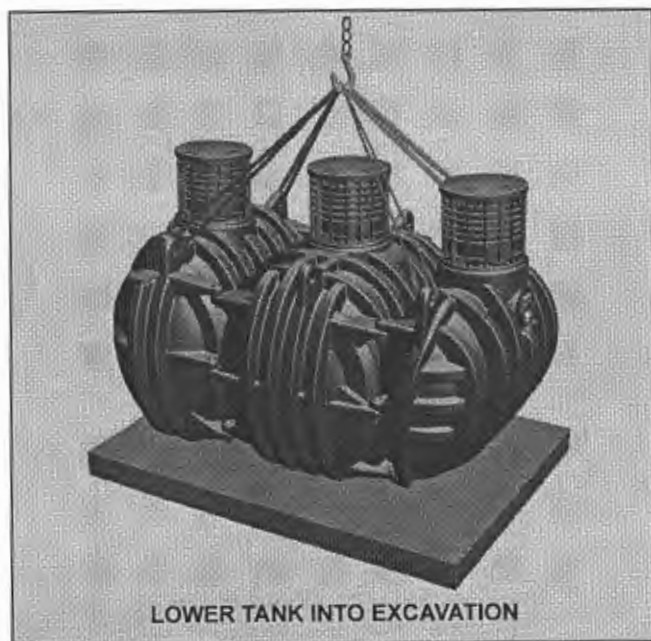
PREPARING THE SINGULAIR GREEN® TANK

Before installing the Singulair Green tank, inspect for signs of damage that may have occurred during transportation or handling. Damaged tanks could leak and should not be installed. Check the inlet and outlet couplings for any signs of damage that would prevent solvent welding to the plumbing. Inspect all risers and access covers to insure no damage has occurred. Verify that all riser and access cover fasteners are securely attached.

CAUTION: Extreme care should be used in the vicinity of any excavation. A delivery vehicle can place excessive loading on excavation sidewalls and care must be taken in its positioning. Once installed, no vehicle should operate over the tank or any other part of the treatment system.

TANK SETTING AND SAFETY

Make sure the delivery vehicle outriggers are firmly placed on stable soil at the excavation site. All personnel must be out of the excavation area and at a safe distance from the tank. Before lifting the tank, check all lifting chains, straps or cables to be sure they are properly secured. Lift the tank using at least four of the molded lifting lugs located on the Singulair Green tank. Carefully lower the tank into the excavation. Stop the tank several inches above the excavation floor and position it in the desired location. Lower the tank carefully until all tension is off the lifting device. Do not remove the lifting chains, straps or cables until tank leveling has been completed.



LEVELING THE TANK

Remove the access covers and place a level on the risers to verify that the tank is level within $\frac{1}{4}$ " from side to side and end to end. If the tank needs to be raised more than 6" to apply leveling material, all personnel should move to a safe location so the tank can be fully removed from the excavation. Fall through the system from inlet invert to outlet invert is 4". Therefore, the outlet invert of the system must be installed 4" lower than the inlet invert.



MOUNTING RISER AND OPTIONAL EXTENSION RISER INSTALLATION

If extension risers are required, install them as needed above each mounting riser. To insure a watertight seal, install an o-ring gasket in all joints between the risers.

Access to the pretreatment chamber can be developed to grade or below grade as required by local regulation or owner preference. The access cover on the pretreatment chamber must be developed to within 12" of finished grade. Place a sealed access cover on the pretreatment chamber access opening. Place a vented access cover on the aerator mounting riser and a sealed access cover on the Bio-Kinetic system mounting riser before backfilling.

SEWER LINE INSTALLATION

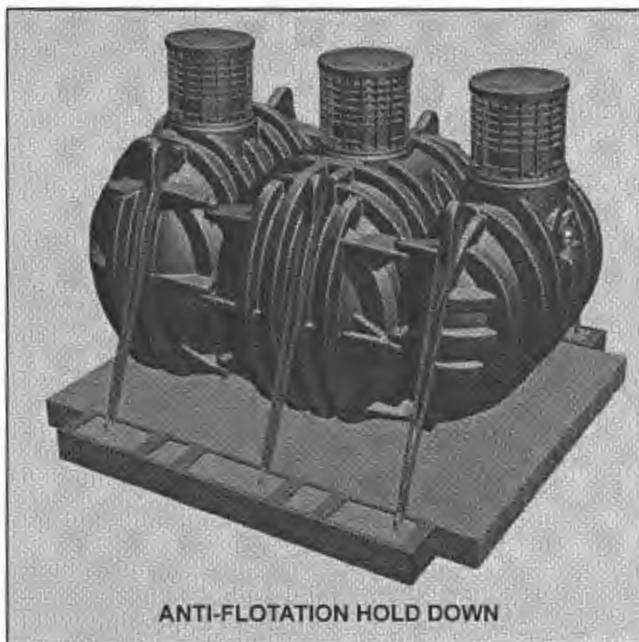
Sewer lines may be installed as soon as the Singulair Green tank has been leveled. Sewer line trenches must be smoothly excavated and free of debris or sharp objects. The trenches must allow sewer lines to be laid with $\frac{1}{8}$ " fall per lineal foot. Influent and effluent sewer lines must be at least 4" in diameter. The influent and effluent lines should be PVC pipe and solvent welded into the Singulair Green tank inlet and outlet couplings. Influent and effluent lines must be laid continuously and unspliced from the tank to the undisturbed earth beyond the tank excavation site.

SPECIAL ANTI-FLOTATION SYSTEM

In areas where high water is a concern, it may be necessary to provide additional anti-flotation measures to secure the Singulair Green tank. Anti-flotation is not required when the tank is installed with at least 16" of fill over the tank and the soil density of the backfill is at least 100 pounds per cubic foot. Failure to follow the anti-flotation recommendations provided in this document may result in damage to the Singulair Green tank or shifting in the excavation and may void all or part of the limited warranty.

If anti-flotation is required, consult a soil scientist to measure soil density. Once soil density is defined, refer to the SHALLOW BURIAL AND REDUCED SOIL DENSITY HOLD DOWN REQUIREMENTS chart below. After the amount of additional hold down weight is determined, it is recommended that a pair of concrete beams of appropriate size be placed at the base of the excavation. Alternately, plastic anti-flotation beams are available from Norweco. Plastic anti-flotation beams must be filled with concrete prior to installation. Beams must not be placed directly under the perimeter of the Singulair Green tank. The weight of the soil over the beams significantly contributes to the tank hold down forces. Placing beams under the tank will limit the amount of soil anchoring the beams into the excavation and should never be done.

Secure the anti-flotation beams to the Singulair Green tank with properly rated hold down straps that attach to the lifting lugs located at the top of each of the three chambers. The weight of the beams plus the weight of the soil over the beams must be greater than the required hold down weight shown in the table below.



COMPLETING THE INSTALLATION

Once backfilling has been completed and the tank has been filled with clean water, the access openings must be secured. Install a sealed access cover on the pretreatment and clarification chamber risers. Install a vented cover on the aeration chamber riser. Secure all access risers with the fasteners that have been provided. Installation of the control center and underground electrical cable are normally completed before leaving the site. Refer to "ELECTRICAL WIRING AND CONTROL CENTER INSTALLATION" instructions for details.

SHALLOW BURIAL AND REDUCED SOIL DENSITY HOLD DOWN REQUIREMENTS

Soil Density (lbs. per cu. ft.)	80	90	100	110	120	130
Fill Over Tank (Inches)	Additional Weight Required (lbs.)	Additional Weight Required (lbs.)	Additional Weight Required (lbs.)	Additional Weight Required (lbs.)	Additional Weight Required (lbs.)	Additional Weight Required (lbs.)
6	6,915	5,935	4,956	3,976	2,996	2,017
8	6,091	5,008	3,926	2,843	1,761	678
10	5,267	4,081	2,896	1,710	625	*
12	4,443	3,155	1,866	578	*	*
14	3,619	2,228	836	*	*	*
16	2,796	1,301	STANDARD INSTALLATION	*	*	*
18	1,972	374	*	*	*	*
20	1,148	*	*	*	*	*
22	324	*	*	*	*	*
24	*	*	*	*	*	*

* HOLD DOWN WEIGHT NOT REQUIRED

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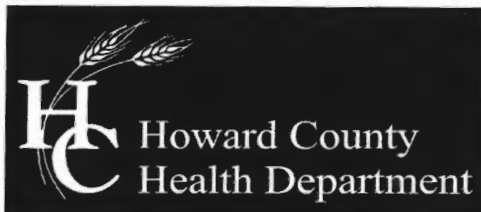
Engineering the future of water
and wastewater treatment

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TELEPHONE (419) 668-4471
FAX (419) 663-5440
www.norweco.com

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

May 20, 2011

To: Bernadette Braun, owner
421 Woodbine Road, Woodbine, MD 21797

RE: **Perc Test Report, 421 Woodbine Road; A534418**

Percolation testing was conducted on the referenced property on May 11, 2011. The purpose for conducting these percolation tests was to define area(s) suitable for a drainfield to replace the failing septic system now serving the residence. All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Field data collected are shown on the Percolation Test Worksheet enclosed with this letter. Recommended Inlet and Trench Bottom depths, and Usable Sidewall all are based on observed soil properties and characteristics at respective test locations as well as the particular soils materials tested.

Three locations were tested, 'A', 'B', and 'C'. In addition, location 'D' was observed and described for assurance that a layer restricting vertical flow was not present on the slope below location 'C'. Location 'A' represents the area immediately north of the residence; 'B' represents the area south of the garage; 'C' and 'D' represent the area at the northeast, above a section of very steep slopes.

The soil materials tested and observed at these locations have loamy textures with rock fragments (re: channers) ranging from 20 percent to 30 percent of the soil volume. Satisfactory soils conditions for wastewater treatment and disposal occurred at all four locations tested or observed. The percolation rates varied by location.

Septic system drainfields having a 4-foot soil buffer (to water table) may be designed at locations 'A' and 'C', while at location 'B' the soil buffer can be no more than 3.5 feet. The Health Department recommends that the owner choose between locations 'A' and 'C' for the site of the replacement drainfield. Effluent will have to be pumped to either site from the treatment tank which will probably be located slightly downhill of the existing 'cesspit'. For either location, the drainfield will be designed by the Health Department.

At 'A' a low-pressure-dosed (LPD) distribution system will be required. A 10-foot setback to the house foundation will be observed and the drainfield will be 30 feet wide from the base of the very steep slope to a 5-foot setback from the existing 'cesspit'.

The distribution pipe Inlet will be at 1 foot, and the Trench Bottoms can be no deeper than 3 feet.

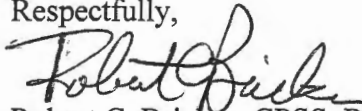
At location 'C', the effluent will be pumped to a distribution box and drain to 2 50-foot long trenches. The Inlet on these trenches should be no deeper than 2.5 feet and the Trench Bottom can be no deeper than 7 feet.

Variations from MDE will be required for either 'A' or 'C'. The variations required for 'A' are for reduction of the regulated setbacks to stream and to slopes greater than 25 percent. At 'C', a variance is needed for reduction of setback distance to slopes greater than 25 percent. The Health Department will express recommendation to MDE to grant the variance(s) respective of the location you select.

For the Health Department to complete design of a system at location 'A' (near the residence), precise measurements of the available area are needed. These data will be obtained by Health Department personnel when the following information is provided by a contractor: a) the location of treatment tank (and if necessary, the pump tank) in relation to the house foundation; b) the route of the sewer line from the house to the treatment tank, with distances referenced to the house foundation; c) the elevation of the pump inside the treatment tank or pump tank. The required information should be provided to the Health Department in the format of a plan, drawn by the contractor whom you select to install the treatment tank.

The Health Department will contact you should additional field review of well or septic system conditions be required at any time during this process. If you have any questions regarding this evaluation and requirements, please contact myself at the above address or by calling (410) 313-2691, or Jeff Williams (410)313-4261.

Respectfully,



Robert C. Bricker, CPSS, REHS/RS
Environmental Sanitarian Supervisor
Well and Septic Program

Copy:

File



20 July, 2011

Mr. Jeff Williams
Program Supervisor, Well and Septic Program
Bureau of Environmental Health
Howard County Health Dept.

Mr. Steve Krieg
Regional Onsite Systems Consultant
Maryland Dept. of the Environment

Gentlemen,

Please accept this letter requesting a variance from the standard one hundred (100) foot setback from a septic system to a stream.

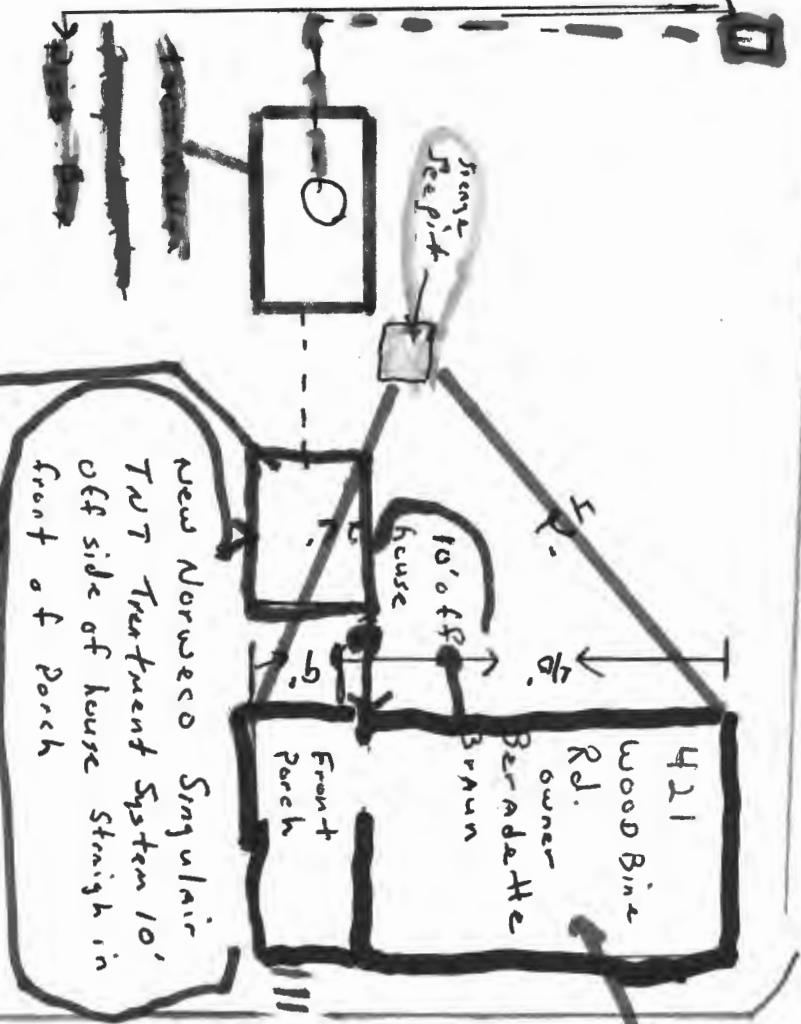
The proposed and approved BRF tank being installed will be forty (40) feet from the stream.

Thank you for your attention to this matter,
Bernadette Braun

A handwritten signature in cursive script that reads "Bernadette Braun". The signature is written in black ink and is positioned below the typed name.

421 Woodbine Rd.
Woodbine, MD 21797

Step Hill



941 Woodbine Rd
 Woodbine MD.

From Running water
 to Tap 41'
 Stream

Woodbine ← → Woodbine Rd

The House is 40' Long
 Front Porch is 9' Long

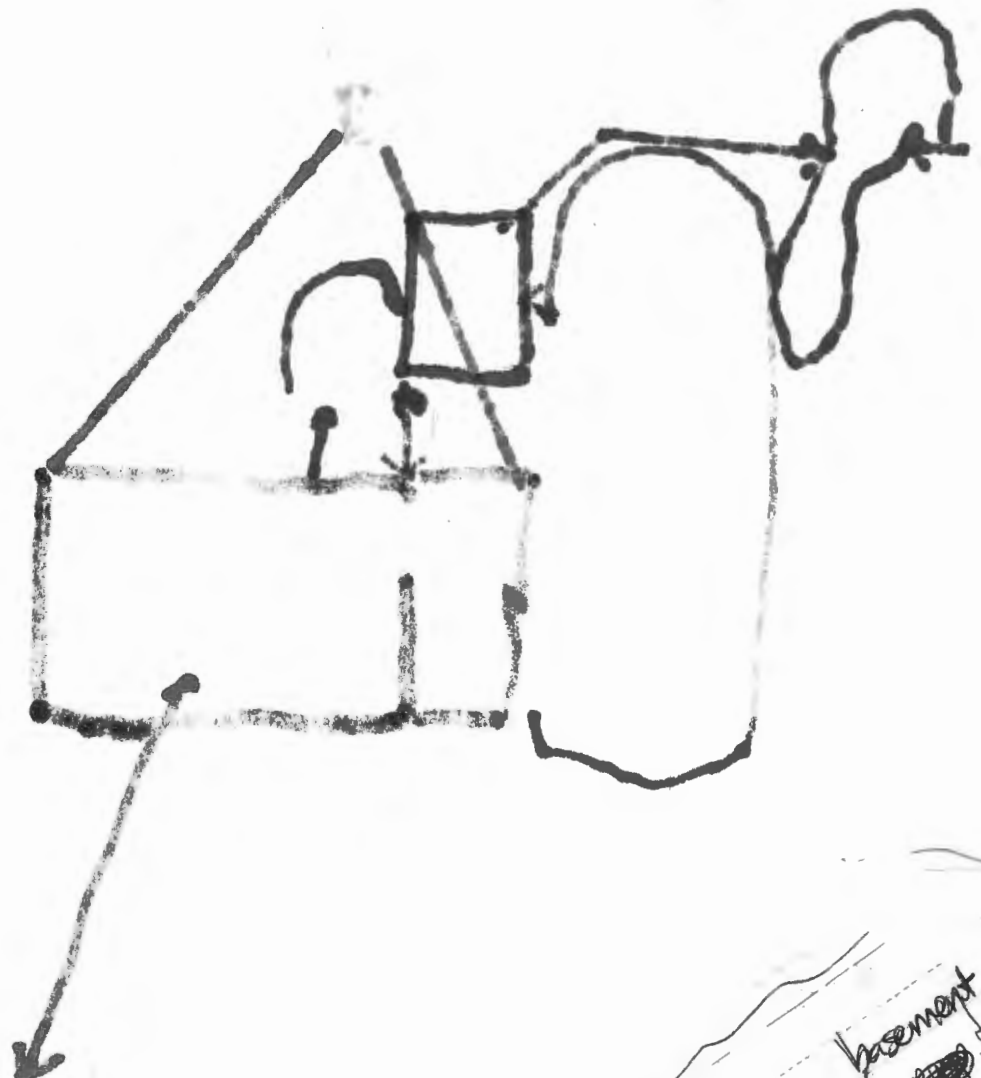
Driveway

Garage

Stream

← → Lisbon

656 600 14P
D.M. 0000000

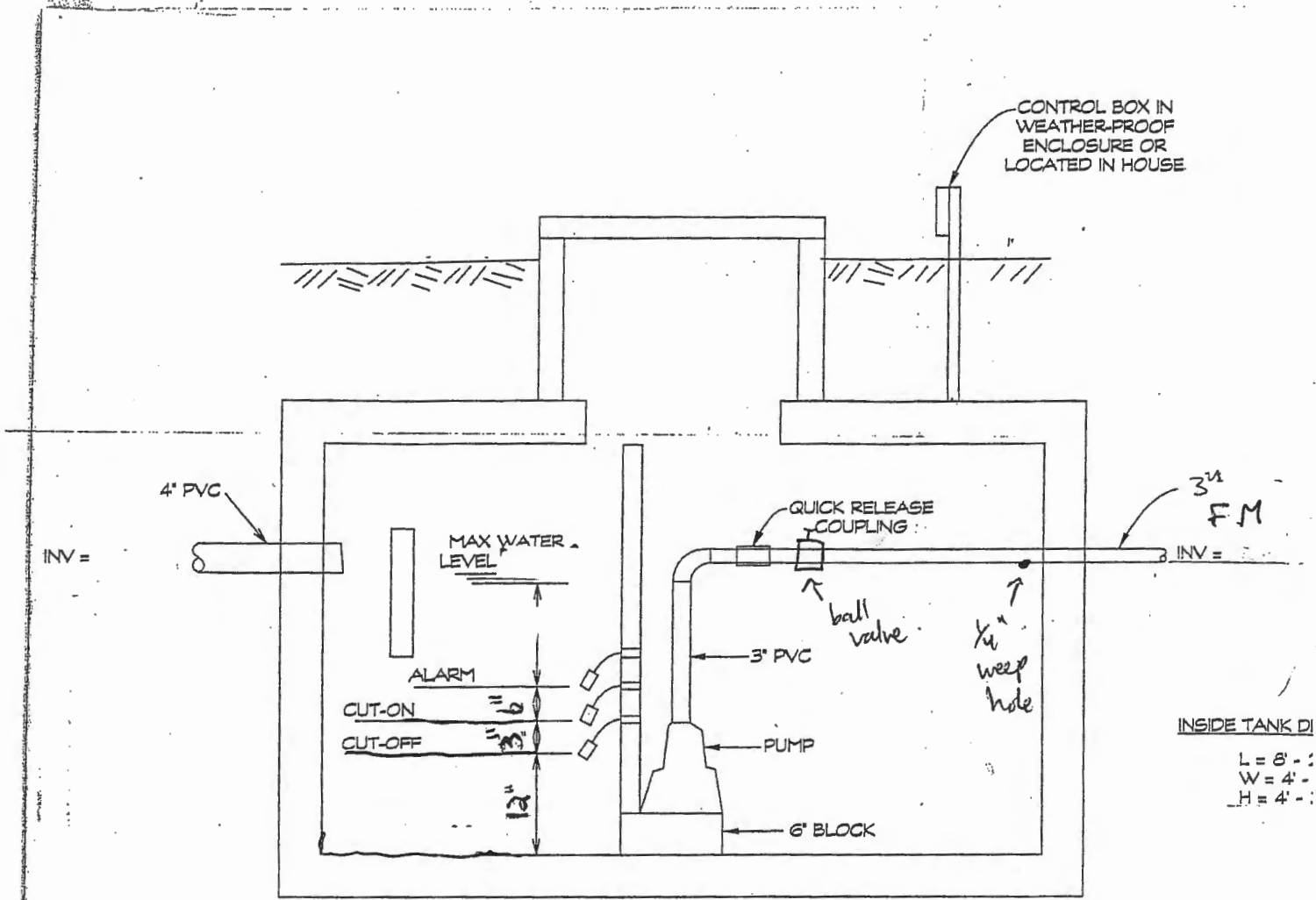


- water in basement tank pumped
- plug in line
- not frome Heaps
- creek to Barn
- Woodbine Rd

Woodbine Rd, Warbire
 cell = 443-418-8897
~~sub~~

RECEIVED
 HOWARD COUNTY HEALTH DEPT
 ENVIRONMENTAL HEALTH
 2011 JUN -8 PM 11:00

Bonadette
 site visit 10:22am 4/4/11
 call early 4/6 or 4/7
 a.m. to notify



TOP SEAM
1000 GAL. PUMP CHAMBER
 (NOT TO SCALE)

Howard County Health Department

Bureau of Environmental Health, Ellicott City, Maryland 410-313-2640

SEWAGE DISPOSAL PERMIT NO. A- _____ P- 534418

PERMITTEE J. M. Contracting LLC.

LOCATION 421 Woodbine Road

Bernadette Brown

Do Not Cover Work Until Health Department Approval Appears On This Card

POST THIS CARD WHERE IT CAN BE SEEN FROM ROAD

STOP ALL CONSTRUCTION ON SEWAGE DISPOSAL SYSTEM AND CONTACT HEALTH DEPARTMENT BEFORE CONTINUING

WORK IS SATISFACTORY, CONTINUE

Inspector Date

Inspector Date

FINAL INSPECTION MADE, COVER ALL WORK

Inspector Date

000145

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

THIS AGREEMENT is made this 20 day of July, among BERNADETTE BRAUN, 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 421 WOODBINE RD in the 4th Election District of Howard County, Maryland, and the deed to same is recorded among the Land Records of Howard County, Maryland, in Columbia and in Liber 02885 Folio 478.

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 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

Handwritten notes: 40, 20, 2WC, 5WC

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 up to \$12,307 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: 20 July 2011

Bernadette Braun
Owner / BERNADETTE BRAUN

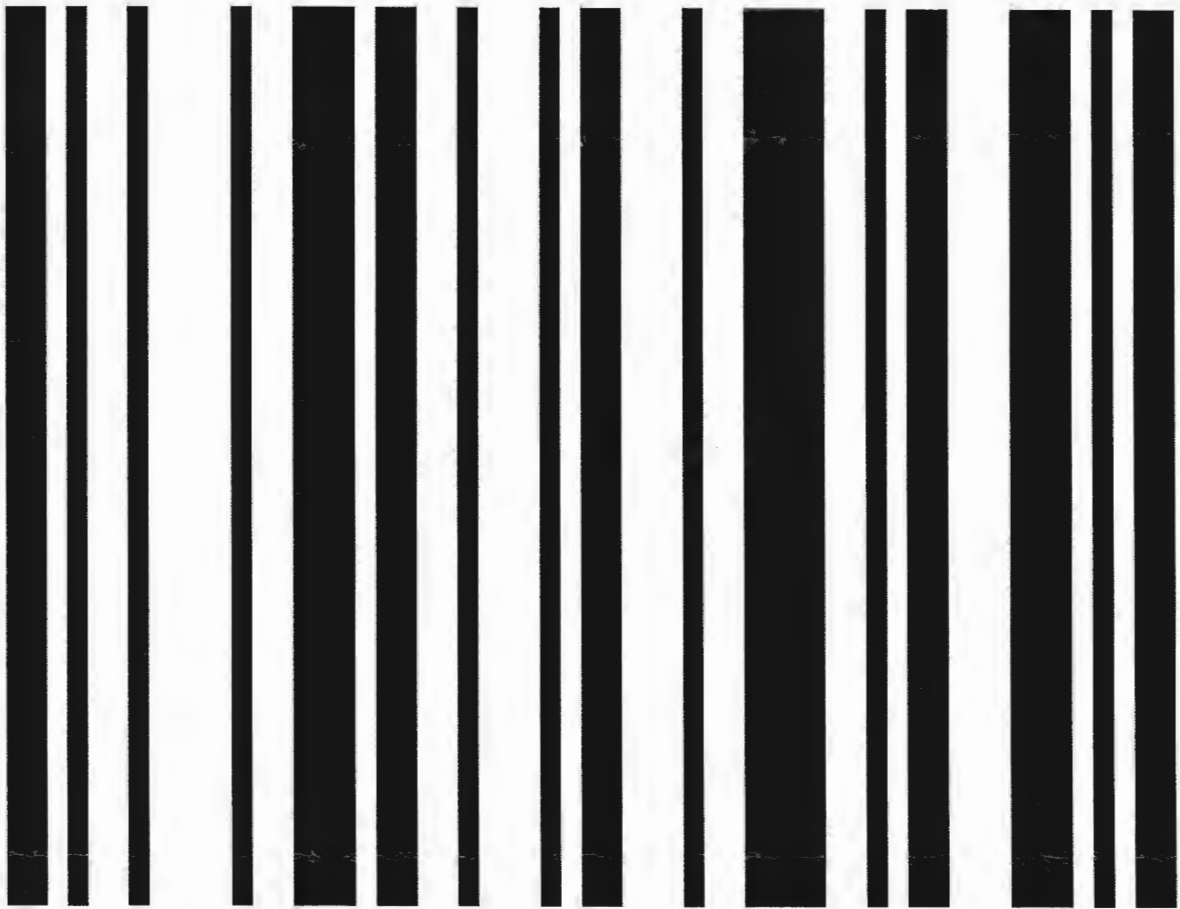
DATE: 7/20/2011

Michael J. Davis
/ Howard County Health Department

CERTIFIED COPY 5.00
PHOTOCOPY-A 2.00
TOTAL 7.00
Rec# H003 Rcpt # 17822
NDR KNC Blk # 649
Jul 20, 2011 03:38 PM

IMP FD SURE \$ 40.00
RECORDING FEE 20.00
TOTAL 60.00
Rec# H003 Rcpt # 17822
NDR KNC Blk # 648
Jul 20, 2011 03:38 PM

Document Separator



Document Separator

STATE OF MARYLAND, HOWARD COUNTY, TO WIT:

I HEREBY CERTIFY that the foregoing is a true copy of the original

Agreement & Easement recorded in
Liber MDR No. 13344 Folio 364 etc., one of the Land Records
of Howard County, Maryland.

IN TESTIMONY WHEREOF, I hereto set my hand
and affix the seal of the Circuit Court for Howard
County this 20th day of July, 20 11

Margaret D. Rappaport
Clerk of the Circuit Court of Howard County, Maryland