



Howard County
Health Department

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: 9/5/2013

ONSITE SEWAGE DISPOSAL SYSTEM

P 545142

INSTALLATION CONCLUSION

PERMIT

A Repair

~~DATE~~ DATE: 4/23/2014

REPAIR W/ BAT

PROPERTY ADDRESS: 13245 Triadelphia Road Ellicott City 21042

SUBDIVISION: _____

LOT: 1

TAX ID: 1403288455

CONTRACTOR: South Carroll Backhoe

EMAIL: _____

CONTRACTOR ADDRESS: 4410 Salem Bottom Road Westminster 21157

PHONE: 410-875-4197

PROPERTY OWNER: Aaron & Kim Sands

EMAIL: Kimisands@hotmail.com

OWNER ADDRESS: 13245 Triadelphia Road Ellicott City 21042

PHONE: 410-531-5063

BAT UNIT MODEL: Hoot BNR H600

PUMP CHAMBER CAPACITY (GALLONS): _____

PUMP SIZE: Goulds EP0411A

NUMBER OF BEDROOMS: 4

HOUSE SQ. FT. 1,500

APPLICATION RATE: 0.8

DISTRIBUTION SYSTEM: GRAVITY FED ☒

LOW PRESSURE DOSED ☐

TRENCHES:	LINEAR FEET REQUIRED: <u>155</u>	INLET DEPTH: <u>4</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>9</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>6</u>
LOCATION:	CURRENT TRENCH IS FAILING. TRENCHES and BAT unit to be STAKED OUT IN FIELD AT TIME of LAYOUT inspection.	
NOTES:	A test of the sensors, pump, alarm and unit itself is required. Install HOOT unit per manufacturer's specifications. *Homeowner requested to size system for 4 bedrooms for proposed addition. Pump and collapse ex. septic tank. <u>77' trench below pool</u> <u>77 + 78 Trenches</u> <u>78' trench on opposite side</u>	

ISSUED BY: Heidi Scott

ISSUE DATE: _____

EXPIRATION DATE: 9/5/13

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.

NOT TO SCALE



See As-Built Drawing
On Separate

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH 3' INLET 4' BOTTOM 8'

NUMBER OF TRENCHES 2

TOTAL LENGTH 154'

ABSORPTION AREA 462 + Sidewalk

DISTRIBUTION BOX LEVEL

DISTRIBUTION BOX BAFFLE

DISTRIBUTION BOX PORT

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL

MANUFACTURER Hoot

CAPACITY GAL

SEAM LOC

TANK LID DEPTH

BAFFLES

BAFFLE FILTER No

MANHOLE LOC Front + Rear

6" PORT LOC None

WATERTIGHT TEST No

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

PRE-CONSTRUCTION:

4/4/2014 Set the tank right next to the existing tank and install the dist. box in the top middle of the easement. I install a 77' trench across the top of the easement below the pool. I install an 78' trench across the top of the easement on the opposite side of the dist box. I install both trenches right below the well radii. (BB)

INSTALLATION:

4/11/2014 Trenches installed. (BB)

4/18/2014 Contractor gave us some measurements for tank, etc. Rest of system not inspected. (BB)

4/23/2014 Received approval of Hoot system from Hoot representative. (BB)

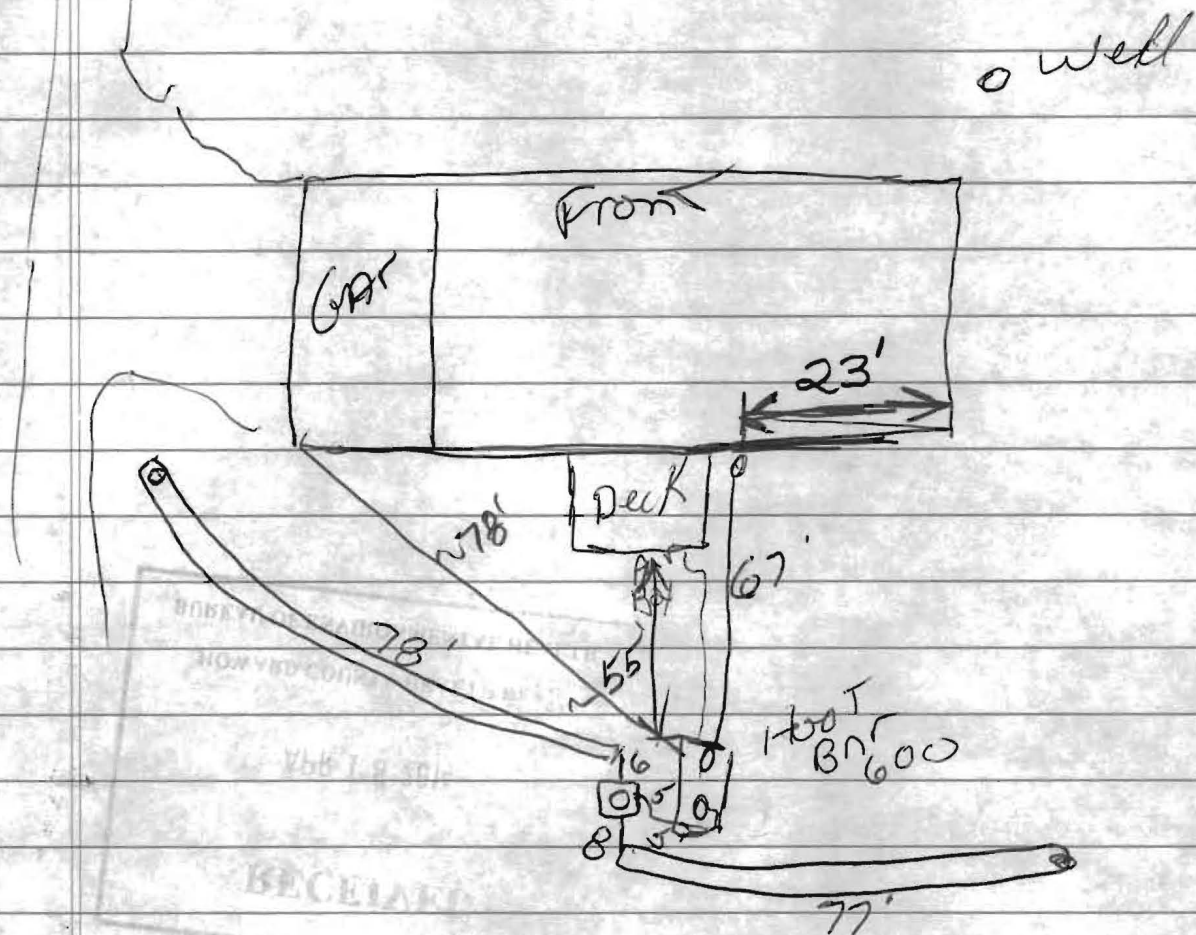
FINAL INSPECTOR

B. Baker

DATE

4/23/2014

As Is



13245
 Trade/phia Rd
 Sands

RECEIVED

APR 18 2014

HOWARD COUNTY HEALTH DEPT.
BUREAU OF ENVIRONMENTAL HEALTH



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

000140

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 6th day of September, 2013, among
Aaron C. Sands, hereinafter collectively referred to as
 "Owner", and the Howard County Health Department hereinafter referred to as the
 "County". Kimberly Sands

WHEREAS, Owner is the owner or contract owner of a parcel of land located at
13245 Triadclphia Rd city md, in the 3rd 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 11203 Folio 326

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 3 bedroom home with 1260 square feet of finished living space and
 _____ 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.

Aaron C Sands 9/6/13
Owner Date
Aaron C Sands

Beit Nifon 9/6/13
Howard County Health Department

Kimberly Sands 9/6/13
Owner Date
Kimberly Sands

LR - Easement (No-Taxes)
Recording Fee 20.00
Grantor Name: Sands
Reference/Control #: 140
LR - Easement (No-Taxes)
Discharge 40.00
Total: 60.00
Total: 123.50
#197676-1
#0706/2013 01:53 CC13-W
#077676 CC0503 - Howard Co
Columbia/CC05.03.02 -
Register 02 494

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

000141

THIS AGREEMENT is made this 6th day of September, ²⁰¹³, among _____, 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 13245 Triadelphia Road, Ellicott City, MD 21042, in the 3rd 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 11203 Folio 326

WHEREAS, the Bay Restoration Fund (BRF) may provide a grant for the cost attributable to upgrading an onsite sewage disposal system to the Best Available Technology (BAT) for the removal of nitrogen.

WHEREAS, the BRF may also provide a grant for the cost difference between a traditional onsite sewage disposal system and a system that utilizes the BAT for the removal of nitrogen.

WHEREAS, Owner understands that participation in the Bay Restoration Fund is voluntary.

NOW, THEREFORE, the parties hereto agree as follows:

- A. Owner hereby grants to the Department and the County the right to enter upon the property at any reasonable time for access to the system to make periodic inspections and the Owner agrees to provide any information and data requested and needed by the Department to develop accurate and thorough test results.
- B. Owner acknowledges and agrees that a MDE certified and manufacturer-approved installer will install the BAT system.
- C. Owner acknowledges and agrees the manufacturer or manufacturer's authorized service provider will provide for Operation and Maintenance of the BAT for a period of 5 years as a condition of sale of the BAT. After the initial 5 year period an Operation and Maintenance contract with a certified service provider must be maintained in perpetuity by the property owner.
- D. Owner acknowledges and agrees that the manufacturer appointed Operation and Maintenance provider will have access to the BAT system at all times.
- E. Owner acknowledges and agrees that the manufacturer or manufacturer's authorized service provider will have access to sample the effluent of the BAT system. Owner acknowledges and agrees that the proposed installation of a BAT system funded by the BRF is voluntary. Owner agrees that there shall be no liability on the part of the County or Department to Owner if this BAT system fails, and that the County and the Department do not warrant or guarantee that the BAT system will adequately or properly function.
- F. Owner acknowledges and agrees that neither the County nor the Department nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.
- G. The Owner will devote such care and effort to the maintenance of the BAT system so that any malfunction is not the result of poor maintenance, faulty operation, or neglect.

- H. The Canaan Valley Institute agrees to grant up to \$_____ toward the cost of installation of the BAT system, and financial responsibility is limited to this amount. Operating costs will be at the Owners expense.
- I. The Owner acknowledges that the BRF grant can only be used for that portion of the OSDS attributable to (BAT) for the removal of nitrogen.
- J. Owner acknowledges in the event the total project cost is greater than \$25,000 the proposal will have to be approved by the Maryland State Board of Public Works.
- K. The Owner agrees to contact both the Water Management Administration, On-Site Systems Division of the Wastewater Permits Program and the County at least forty-eight (48) hours prior to system installation, so that the Department has the opportunity to be present at the time of installation or thereafter for inspection.
- L. The Owner must install BAT system according to the manufacturer recommended plans and specifications approved by the Department.
- M. The Owner agrees and acknowledges that if installation deviates substantially from the approved plans or changes such that performance of the system is compromised or reduced, BRF funding will not be provided.
- N. This agreement shall run with the land and binds the Owner, his heirs, successors, assigns. Owner further agrees that he shall inform in writing any purchaser or lessee of the property that the system may require maintenance or other attention. The Owner agrees to record this agreement in the land records of Howard County.
- O. This agreement shall not be construed to limit any authority of the Department to protect the public health, safety or comfort or to issue any other orders to take any other action that is now or may hereafter be within its authority.
- P. This agreement may be voided at the discretion of the Department if the system construction is not completed within six (6) months of the effective date of this agreement.
- Q. This agreement contains the entire agreement and understanding between the County and the Owner and the Department. There are no additional terms other than as contained in this agreement. This agreement may not be modified except in writing signed by each of the parties or by their authorized representatives.
- R. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

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

DATE: 9/6/2013

DATE: 9/6/2013

DATE: 9/6/2013

Aaron C Sands
 Owner Aaron C Sands
Kimberly Sands
 Owner Kimberly Sands
Bea Nijon
 Howard County Health Department

LR - Easement (No-Taxes)	
Recording Fee	20.00
Grantor's Name: Sands	
Reference/Control #: 141	
LR - Easement (No-Taxes)	
Surcharge	40.00
Total:	60.00
=====	
Total:	123.50
#1977676-5	
09/06/2013 01:53	CC13-NN
#1977676 CC0503 - Howard Co	
Columbia/CC05.03.02 - Register	
02 494	

**MAYER BROS., INC.***Precast Concrete Products*
6264 Race Rd. Elkridge, MD 21075

Letter of Satisfaction

Hoot System Installation

Address of Property: 13245 Tridelphia Rd.
Ellicott City, MD 21042

Date of Final Inspection: 4/18/14

Installer: South Carroll Backhoe Inc.

Hoot Technician/Inspector: Mike Sample

I hereby certify that the Hoot system installed at the property listed above has been installed according to proper Hoot installation practices. I have also verified the startup of the system and it is in proper working order.

Sincerely,

H. Michael Dwyer

Name of Inspector
Mayer Bros., Inc.

PH: 410-796-1434

FX: 410-796-1438

WBE
NPCA Certified Plant

mayerbro@connect.net
www.mayerbrosprecast.com

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Bench Barrier, Water Meter Vaults, Sectional Valve Vaults, Top Slabs, Curb Heads, Curb Bumpers, PermEntry Basement Entries,
Scapewnd Window Wells, Custom Precast Products

