**Bureau of Environmental Health**

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.orgFacebook: www.facebook.com/hocohealth

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 07/26/2021**ONSITE SEWAGE DISPOSAL SYSTEM**P 569623APPROVAL DATE: 3/4/22 (87)**PERMIT: CONSTRUCTION**

A _____

PROPERTY ADDRESS: 1441 Underwood Road, Sykesville, MD 21784SUBDIVISION: Rizk PropertyLOT: 2TAX ID: 03-601462CONTRACTOR: Sam's CreekEMAIL: Sams.creek@aol.comCONTRACTOR ADDRESS: 2810 Sams Creek Road, New Windsor, MD 21776PHONE: (443) 821 - 4932

CONTRACTOR CERTIFIED FOR BAT INSTALLATION:



MDE



MANUFACTURER:

PROPERTY OWNER: Lockwood, Mary Kae; Takashima, Naruhisa

EMAIL: _____

OWNER ADDRESS: 4325 Doncaster Drive, Ellicott City, MD 21043

PHONE: _____

BAT UNIT MODEL: Norweco TNTLP-500PUMP SIZE: 0.3 HPPUMP TANK CAPACITY: 1500

OPERATION & MAINTENANCE AGREEMENT

DATE SIGNED: 3/2/2022DATE RECORDED: 3/2/2022

DISTRIBUTION SYSTEM:



GRAVITY



PRESSURE DOSED

BEDROOMS: 3APPLICATION RATE: 0.8

| | | |
|-----------|--|---|
| TRENCHES: | LINEAR FEET REQUIRED: <u>188'</u> | INLET DEPTH: <u>4'</u> |
| | TRENCH WIDTH: <u>3'</u> | MAXIMUM BOTTOM DEPTH: <u>8'</u> |
| | MINIMUM SPACE BETWEEN TRENCHES: <u>10'</u> | EFFECTIVE AREA BEGINNING DEPTH: <u>7.5'</u> |
| | | |
| LOCATION: | PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION. | |
| NOTES: | Use Zoeller Model 50 Series Pump. | |

ISSUED BY: CabahugISSUE DATE: 08/02/2021EXPIRATION DATE: 08/02/2022**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**

ELECTRICAL PERMIT ISSUED

E

21005072**NOTE: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.****NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA**

**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.

↑
WB

| WIDTH | INLET | BOTTOM |
|-------|-------|--------|
| 3' | 4' | 8' |

NUMBER OF TRENCHES 2 CENTER FEED

TOTAL LENGTH 188 F

ABSORPTION AREA 564 SF + .5' SIDE WALL

DISTRIBUTION BOX LEVEL LPD

DISTRIBUTION BOX BAFFLE -


DISTRIBUTION BOX PORT -

SEPTIC TANK 1 LEVEL 405

MANUFACTURER BACK RIVER
CAPACITY TOTAL 500 GAL
SEAM LOC TOP
TANK LID DEPTH 3'
BAFFLES BAT
BAFFLE FILTER BAT
MANHOLE LOC FRONT/MID/BACK
6" PORT LOC —
WATERTIGHT TEST —
SLOTTED YES
DATE ON LID 06/05/2021

PUMP/SEPTIC TANK LEVEL YES

MANUFACTURER BABYLON
CAPACITY 1500 GAL
SEAM LOC TOP
TANK LID DEPTH 3.5'
BAFFLES -
BAFFLE FILTER -
MANHOLE LOC FRONT/BACK
6" PORT LOC -
WATERTIGHT TEST -
SLOTTED -
DATE ON LID 09/21/21

10/29/2021 LAID OUT 2x74' TRS CONFIRMED L/D CONTOUR
STAKES w/ LASER 

INSTALLATION: 11/10/2024 TANK SFT; WORKING ON SEWER LINE. (4)

11/15/2021 INSTALLED 2x94' TRS CENTER FEED; CONFIRMED 10' OR TR₁ AND 8' OR TR₂ - 90° OFF ON SIDE DUE TO DIAG. INSTRUCT TO ALWAYS INSTALL ON OUT FACING SIDE INTO AGGREGATE. 3/4/22 Pump and alarm observed to function. Pump and alarm on separate circuits in Norweco circuit box located outside house. Alarm located in box. Greater than 2' and 3' of head pressure in Trenches 1A, 1B and 2A, 2B respectively. (B)

FINAL INSPECTOR

DATE OF APPROVAL _____

3/4/22



BACK RIVER PRE-CAST, LLC

PO BOX 329

GLYNDON, MD 21071

PH# 410-833-3394

NORWECO CERTIFICATION

| | |
|--|---|
| PROPERTY OWNER: MARY LOCKWOOD | INSTALLATION COMPANY: SAM'S CREEK |
| ADDRESS: 1441 UNDERWOOD RD. | CERTIFIED INSTALLER: JOE WRIGHT |
| CITY, ZIPCODE & COUNTY: SYKESVILLE, 21784, HOWARD | PERMIT# |
| SIZE OF SYSTEM INSTALLED: | DATE INSTALLED: 11-03-21 |
| 600 GPD CONCRETE | START-UP DATE: 03-03-22 |
| NUMBER OF BEDROOMS: | DATE OF FINAL INSPECTION: |
| TYPE OF INSTALLATION: NEW | DATE OF ELECTRICAL INSPECTION: |
| ELECTRICAL WIRING PER ELECTRICAL INSTRUCTIONS: YES | TANK LEVEL: YES |
| HT. OF CONTROL PANEL ABOVE FINAL GRADE: 45" | BURIAL DEPTH OF TANK: 408" |
| SYSTEM WIRED ON A 15-AMP DEDICATED CIRCUIT WITH STD. BREAKER: YES | RISERS 4" - 6" ABOVE GRADE: NO |
| | |
| LENGTH(S) OF UF WIRE PAST LAST AERATION RISER(S): 36" | VENTED LID(S) ON AERATION CHAMBER(S): YES |
| FEMALE PLUG(S) WIRED TO UF WIRE: YES | ANY GROUND SETTLING AROUND TANK: NO |
| CONDUIT(S) ENTERING AERATION RISER MADE WITH A WATERTIGHT CONNECTION: YES | |
| ISTHE INSIDE OF THE CONDUIT ENTERING THE CONTROL PANEL(S) AND AERATION RISER(S) SEALED WITH DUCT SEAL: YES | |

ON 2ND PAGE MAKE A ROUGH SKETCH OF THE HOUSE , WHERE THE SYSTEM IS LOCATED, WHERE THE CONTROL PANEL IS LOCATED , WHERE THE FRONT OF THE IS AND DIRECTIONS TO THE PROPERTY.

DIRECTIONS CAN START A FEW STREETS AWAY

EXAMPLE: RT. X LEFT ONTO XX STREET RIGHT ONTO PRIVATE DRIVEWAY 5TH HOUSE OF THE LEFT.

I certify that the Norweco Singulair TNT Wastewater Treatment System was installed according to the manufacture's specifications.

Matthew Geckle

March 03, 2022

Signature of BRP Representative

Vice-President

Date

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

THIS AGREEMENT is made this 2nd day of March, among Mary Kae Lockwood and Naruhisa Takashima, 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 1441 Underwood Road, Sykesville MD 21784 in the 3rd Election District of Howard County, Maryland, and the deed and subdivision plat of the property is recorded among the Land Records of Howard County, Maryland, Tax Map # 9, Block # , Parcel # 75, Deed Reference # 24871-74 and Tax Account # 601462 ("the Property").

WHEREAS, The Property is suitable for the installation of a conventional on-site sewage disposal system with an advanced pre-treatment system, utilizing best available technology to perform nitrogen reduction, in accordance with the Code of Maryland Regulations 26.04.02.07, effective November 24, 2016. The pre-treatment device being installed is BAT Norelco TNT 500.

NOW, THEREFORE, the parties hereto agree as follows:

A. Owner hereby grants to the County the right to enter upon the Property at any reasonable time with prior notice 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.

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 Property 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 Property that the system shall require maintenance or other attention. Upon taking title to the Property, 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.

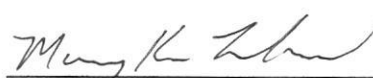
H. This agreement contains the entire agreement and understanding between the County and the Owner. There are no additional terms other than as contained in this agreement. This agreement may not be modified, except in writing signed by each of the parties or by their authorized representatives.

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 this agreement on the date indicated above.

 3/3/2022
Howard County Health Department

 2 Mar 2022
Owner #1 Signature Date

Mary Kae Lockwood
Owner #1 Print Name

 2 Mar 2022
Owner#2 Signature Date

Naruhisa Takashima
Owner #2 Print Name

Buyer #1 Signature Date

Buyer #2 Signature Date

Buyer #1 Print Name

Buyer #2 Print Name

Clerk of the Circuit Court for
Howard County

9250 Judicial Way
Ellicott City, MD 21043
410-313-2111

LR - Agreement Recording Fee
1x 20.00 20.00

Name: Lockwood
Ref: 15

LR - Agreement Surcharge
1x 40.00 40.00

SubTotal: 60.00

Total: 60.00

REV-Check-WFB 60.00
Number : 13776

03/03/2022 11:03

CC17-DH

#15930844/396/4

Thank you for visiting us today~

Wolf, Kevin

From: Wolf, Kevin
Sent: Wednesday, March 2, 2022 11:33 AM
To: Cary Cumberland
Subject: RE: 1441 Underwood road ICOP
Attachments: O&M agreement 4.23.18.pdf

Cary,
I do not see a copy of the Operations and Maintenance (O&M) agreement for the BAT. If you have the recorded copy can you forward me please? I will need this in order to issue the ICOP.

Kevin

From: Cary Cumberland <cary@vikingcustomhomes.com>
Sent: Tuesday, March 1, 2022 6:18 PM
To: Wolf, Kevin <KWolf@howardcountymd.gov>
Subject: 1441 Underwood road ICOP

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hi Kevin, I wanted to follow up and make sure you got the lab results for a passing test at 1441 Underwood road Sykesville Md 21784. BP20004289. This is the one we had failed for sand and then we raised pump and ran it out and got a passing test. Fountain valley sent results to you last week.

Is there any chance you would give me the ICOP letter to get the U and O. Thanks

Cary

Sent from my Verizon, Samsung Galaxy smartphone

Get [Outlook for Android](#)

Sams Creek

*2810 Sams Creek Road
New Windsor, MD 21776
Ph # (443) 821-4932
Email: Sams.creek@aol.com*

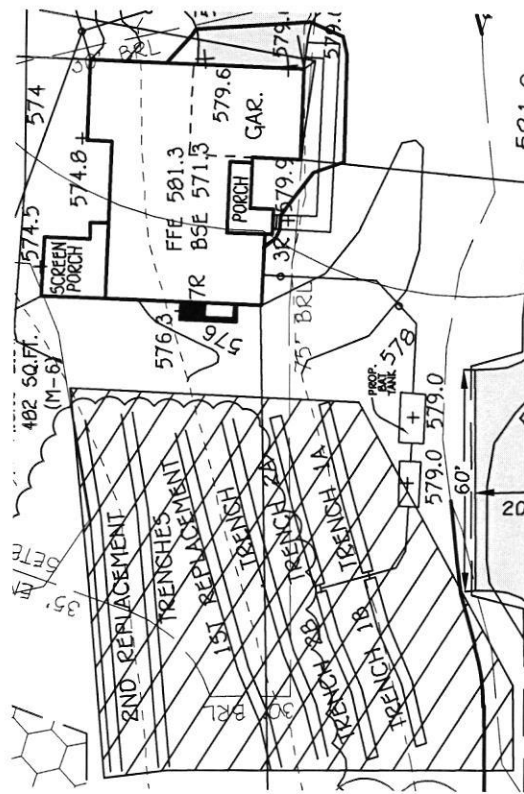
To whom it may concern,

Enclosed is a copy of a wall check for lot 2 at Rizk property. Also
Attached is payment for permit with check # 1203.

Please do not hesitate to call me with any questions or concerns.

Thanks,

Jessica



Oswald, Hank

From: Williams, Jeffrey
Sent: Wednesday, January 20, 2021 10:39 AM
To: Oswald, Hank
Subject: RE: BAT Plan_1441 Underwood Road

Yeah that's better

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Wednesday, January 20, 2021 9:14 AM
To: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Subject: Fwd: BAT Plan_1441 Underwood Road

The engineer adjusted the swale. Is this better?

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)

From: Stephanie Tuite <Stephanie@fcc-eng.com>
Sent: Tuesday, January 19, 2021 3:48:04 PM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Subject: RE: BAT Plan_1441 Underwood Road

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

More like this be ok?

Stephanie Tuite, RLA, PE, LEED AP BD&C
FISHER, COLLINS & CARTER, INC.

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Tuesday, January 19, 2021 3:30 PM
To: Stephanie Tuite <Stephanie@fcc-eng.com>
Subject: Re: BAT Plan_1441 Underwood Road

Can you at least alter it to get the edge with a slight berm further away from the SDA and the initial trench?

Hank

From: Stephanie Tuite <Stephanie@fcc-eng.com>
Sent: Tuesday, January 19, 2021 1:42 PM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Cc: Tony Fertitta <tonyf@fcc-eng.com>
Subject: RE: BAT Plan_1441 Underwood Road

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

The swale is just has a gentle slope around 2% from the front to the side. it is not taking a lot of drainage. It is not big.

Steph

Stephanie Tuite, RLA, PE, LEED AP BD&C
FISHER, COLLINS & CARTER, INC.

From: Tony Fertitta <tonyf@fcc-eng.com>
Sent: Tuesday, January 19, 2021 10:17 AM
To: Stephanie Tuite <Stephanie@fcc-eng.com>
Subject: FW: BAT Plan_1441 Underwood Road

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Tuesday, January 19, 2021 10:12 AM
To: Tony Fertitta <tonyf@fcc-eng.com>
Subject: BAT Plan_1441 Underwood Road

Hi Tony:

I consulted with Jeff on the swale in between the house and SDA for Rizc Property Lot 2. He says the swale is too big, and It's running to close to the initial trench. Also, the title on this plan doesn't include anything about the BAT. It should really read, ***Site Plan for BAT Installation***. Also, note #5 doesn't make sense to me. Can you make sure the notes match up with the BAT notes on page 2 in the attachment.

Let me know if you have any questions.

Thanks,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
(410) 313 - 1786
hoswald@howardcountymd.gov

Oswald, Hank

From: Oswald, Hank
Sent: Tuesday, January 19, 2021 10:12 AM
To: Tony Fertitta (tonyf@fcc-eng.com)
Subject: BAT Plan_1441 Underwood Road
Attachments: BAT Site Plan Requirements_Updated 5.31.17.pdf

Hi Tony:

I consulted with Jeff on the swale in between the house and SDA for Rizc Property Lot 2. He says the swale is too big, and it's running too close to the initial trench. Also, the title on this plan doesn't include anything about the BAT. It should really read, ***Site Plan for BAT Installation***. Also, note #5 doesn't make sense to me. Can you make sure the notes match up with the BAT notes on page 2 in the attachment.

Let me know if you have any questions.

Thanks,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
(410) 313 - 1786
hoswald@howardcountymd.gov

Oswald, Hank

From: Oswald, Hank
Sent: Monday, January 4, 2021 4:22 PM
To: Tony Fertitta
Subject: BAT Plan_1441 Underwood Road_Lot 2
Attachments: BAT Site Plan Requirements_Updated 5.31.17 (1).pdf; Table 4.3 Equil Lenth of Pipe for Fric Loss.pdf

Hi Tony:

The Site Plan for BAT Installation for 1441 Underwood Road, Lot 2 has been reviewed with the following comment:

- 1.) Add title "Site Plan for BAT Installation" to both pages
- 2.) Add required BAT Site Plan Notes to plan (see attachment)
- 3.) Pull pump tank out of the sewage disposal area (if possible).
- 4.) Match friction loss #s on plan with #s on chart provided (see attachment)

Should you have any questions or concerns, please don't hesitate to ask.

Thanks,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Well and Septic Program
410.313.1786

Maura J. Rossman, M.D., Health Officer

MEMORANDUM

TO: Michael Barlow (MWD 355)

FROM: Sarah Collins, L.E.H.S. SEC
Howard County Health Department
Well and Septic Program

DATE: July 25, 2018

RE: **Well permit for lot 2 of the Rizk Property**
1441 Underwood Road
#HO-17-0316

The initial well for lot 2 of the Rizk Property is staked as a single location close to the future common driveway. Any future replacement wells will be located in the well box located towards the center of the lot.

Please note that any well drilled in the well box must have 50' of steel casing or 10' into competent bedrock, whichever is greater. This condition is part of a waiver that Maryland Department of the Environment approved for the well to be located downgrade of the septic areas on lots 1 and 2.

Feel free to contact me at 410-313-6287 or SCollins@howardcountymd.gov with any questions.

Cc: Tony Fertita – Fisher, Collins & Carter (tonyf@fcc-eng.com)
File