

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.org
 Facebook: www.facebook.com/hocohealth

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

RECEIPT DATE: 6/21/2023 **ONSITE SEWAGE DISPOSAL SYSTEM** P 574926

APPROVAL DATE: 6/21/2023 **PERMIT: BRF New Construction** A _____
 (Tank Replacement only)

PROPERTY ADDRESS: 15214 Frederick Road

SUBDIVISION: _____ LOT: _____ TAX ID: _____

CONTRACTOR: Tolley Enterprises EMAIL: _____

CONTRACTOR ADDRESS: 11920 Lynn Crest Road, Monrovia, MD 21770 PHONE: 301-831-6037

CONTRACTOR CERTIFIED FOR BAT INSTALLATION: MDE MANUFACTURER:

PROPERTY OWNER: Matthew and Abigail Kier EMAIL: _____

OWNER ADDRESS: 15214 Frederick Road, Woodbine, MD 21797 PHONE: _____

BAT UNIT MODEL: Norweco PUMP SIZE: _____ PUMP TANK CAPACITY: _____

OPERATION & MAINTENANCE AGREEMENT DATE SIGNED: 5/1/23 DATE RECORDED: 5/1/23

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: _____ APPLICATION RATE: _____

TRENCHES:	LINEAR FEET REQUIRED: <u>N/A</u>	INLET DEPTH: <u>-</u>
	TRENCH WIDTH: <u>-</u>	MAXIMUM BOTTOM DEPTH: <u>-</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>-</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>-</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: Install per approved plan.

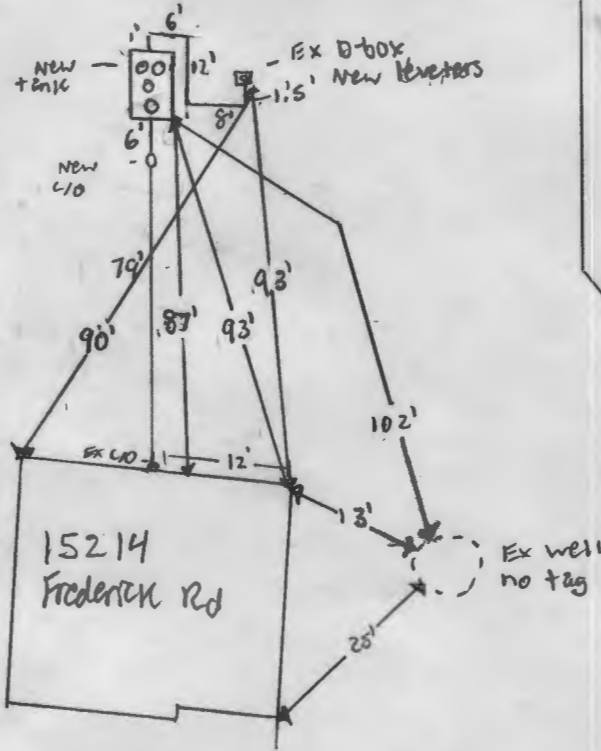
ISSUED BY: S. Page ISSUE DATE: 6/21/2024 EXPIRATION DATE: 6/21/2024

- 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 2303130
- 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.**

NOT TO SCALE



Frederick Rd
ROAD NAME

EX: TRENCH/DRAINFIELD DATA			
WIDTH	INLET	BOTTOM	
—	—	—	—
NUMBER OF TRENCHES			—
TOTAL LENGTH			—
ABSORPTION AREA			—
EX: DISTRIBUTION BOX LEVEL			yes
DISTRIBUTION BOX BAFFLE			yes
DISTRIBUTION BOX PORT			—

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	yes
MANUFACTURER	Back River
CAPACITY	1500 GAL
SEAM LOC	top
TANK LID DEPTH	1'
BAFFLES	—
BAFFLE FILTER	—
MANHOLE LOC	front, back, middle
6" PORT LOC	—
WATERTIGHT TEST	—
SLOTTED	—
DATE ON LID	5/16/2023
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:

6/21/2023 - Plan to install new tank, trench from house to D-box approved. (SP)

INSTALLATION:

6/21/2023 - Contractor onsite for inspection. Connected to existing sewer out of house. Ex c/o @ Foundation, 79' between c/o @ Foundation & c/o going down to tank. 1500 gal tank installed. Adequate fall @ front line & SCHD 40 PVC used. back line from tank to D-box installed. Ex D-box used. One trench was raking on more water than the other. Speedy levelers installed & leveled D-box while onsite. Confirmed well <100' from tank. (SP)

FINAL INSPECTOR

S. Page

DATE OF APPROVAL

6/21/2023

Howard County Health Department

Bureau of Environmental Health, Columbia, MD 21045 - 410-313-1771

SEWAGE DISPOSAL PERMIT NO. A- _____ P- _____

RESIDENTIAL PERMIT
(NUMBER OF BEDROOMS: _____)

COMMERCIAL PERMIT
(DESIGN FLOW: _____ GPD)

PERMITEE: Toby Enterprises
LOCATION: 15214 Frederick Road

****POST THIS CARD WHERE IT CAN BE SEEN FROM ROAD****

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

Inspector

Date

WORK IS SATISFACTORY, OK TO CONTINUE

Inspector

Date

COMMENTS: _____

FINAL INSPECTION MADE, OK TO COVER ALL WORK

Inspector

Date



BACK RIVER PRE-CAST, LLC
 PO BOX 329
 GLYNDON, MD 21071
 PH# 410-833-3394

NORWECO CERTIFICATION

PROPERTY OWNER: ABGAIL KIER	INSTALLATION COMPANY: TOLLEY ENTERPRISES
ADDRESS: 15214 FREDERICK RD	CERTIFIED INSTALLER: DAVE TOLLEY
CITY, ZIPCODE & COUNTY: WOODBINE, 21797, HOWARD	PERMIT#
SIZE OF SYSTEM INSTALLED:	DATE INSTALLED: 06-19-23
600 GPD CONCRETE	START-UP DATE: 06-24-23
NUMBER OF BEDROOMS:	DATE OF FINAL INSPECTION:
TYPE OF INSTALLATION: FAILING	DATE OF ELECTRICAL INSPECTION:
ELECTRICAL WIRING PER ELECTRICAL INSTRUCTIONS: YES	TANK LEVEL: YES
HT. OF CONTROL PANEL ABOVE FINAL GRADE: 36"	BURIAL DEPTH OF TANK: 20"
SYSTEM WIRED ON A 15-AMP DEDICATED CIRCUIT WITH STD. BREAKER: YES	RISERS 4" - 6" ABOVE GRADE: YES
LENGTH(S) OF UF WIRE PAST LAST AERATION RISER(S): 24"	VENTED LID(S) ON AERATION CHAMBER(S): YES
FEMALE PLUG(S) WIRED TO UF WIRE: YES	ANY GROUND SETTLING AROUND TANK:
CONDUIT(S) ENTERING AERATION RISER MADE WITH A WATERTIGHT CONNECTION: YES	NO
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.

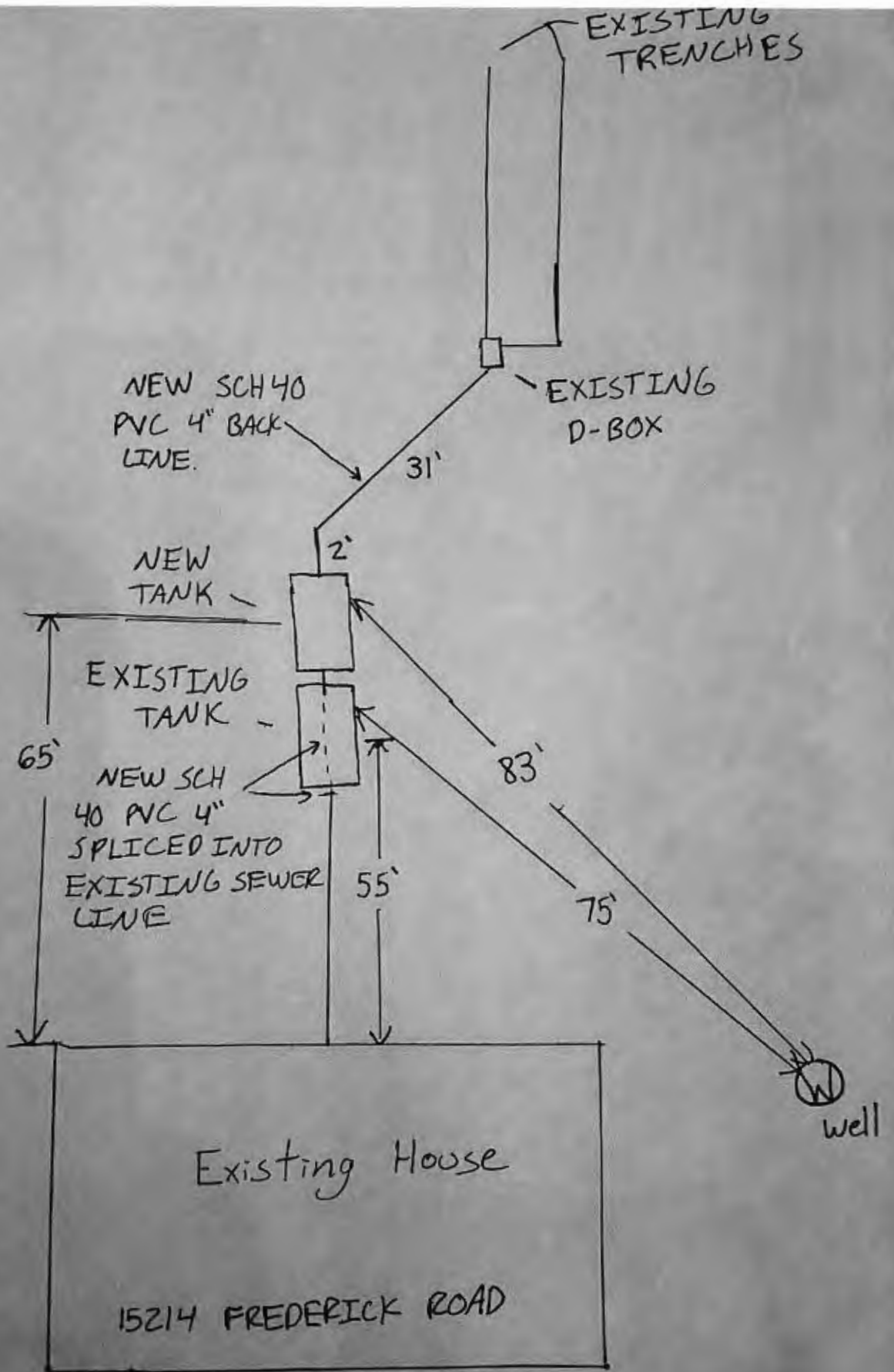
Matthew Geckle

June 24, 2023

Signature of BRP Representative

Vice-President

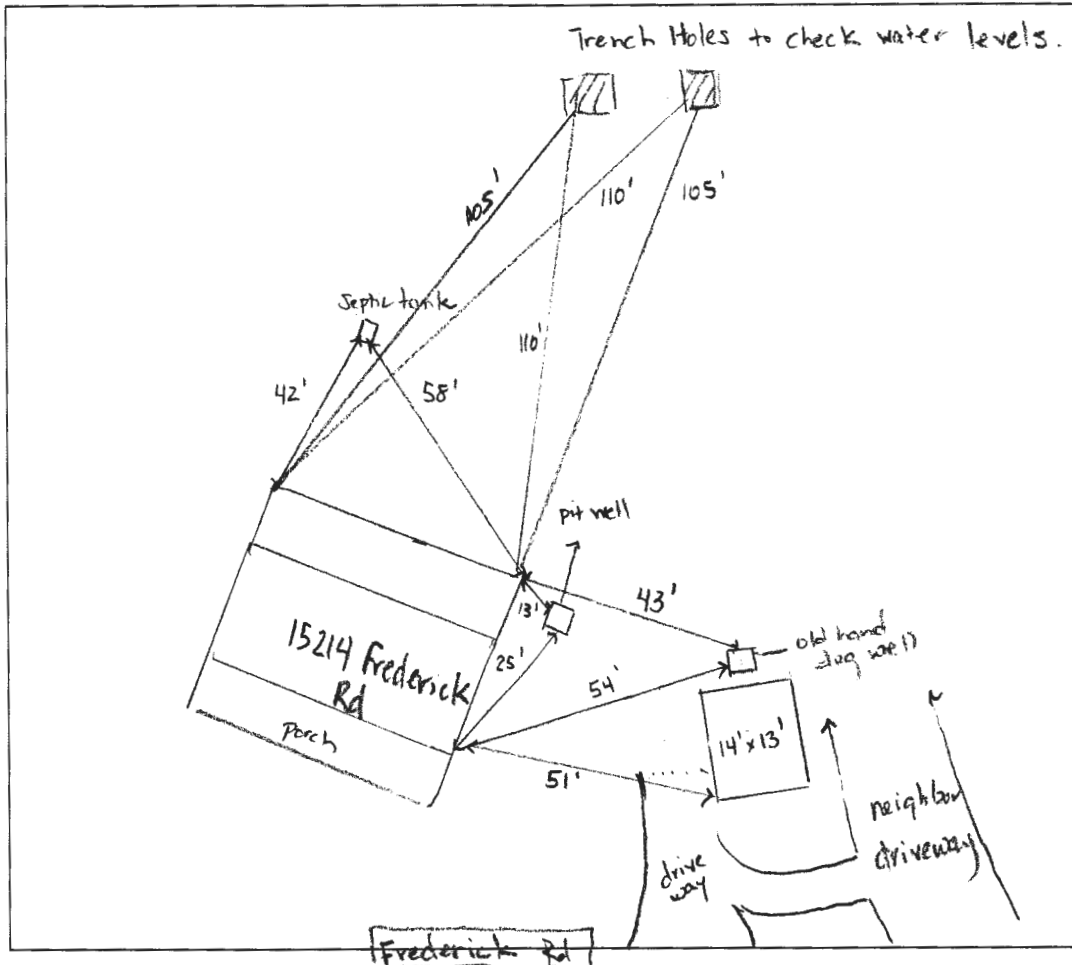
Date



SITE INSPECTION SHEET

OWNER: Matt Kier PHONE #: 978-204-7944
ADDRESS: 15214 Frederick Rd. CONTRACTOR: email - mathew.kier@gmail.com
 Woodbine, MD, 21797 WELL TAG #: pit well (x2)
SUBDIVISION: — LOT: — COUNTY #: 04310195
PROPOSAL: BRF funding for new BAT septic tank

LOCATION DIAGRAM



COMMENTS: The lid for the existing septic tank was too heavy for a person to lift, see inspection report from Tolley Enterprises, Inc. On 2/2/23 Tolley Enterprises sent a camera into the tank to confirm that the ST is made of brick & block and needs to be repaired. Trench ends dug up for evaluation, 1 trench is 1/2 full and the other is dry.

DATE: 2/1/23 INSPECTOR: R. Rappaport

15214 Frederic

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: kier
Ref: 15

LR - Agreement Surcharge
1x 40.00 40.00

SubTotal: 60.00
Total: 60.00

CRD-Credit 60.00
Credit Card Confirmation : 718639

05/01/2023 15:19 CC13-SB
#17202467/496/4
***** DUPLICATE #001 *****

05/01/2023 15:20 CC13-SB
Thank you for visiting us today

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

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

THIS AGREEMENT is made this 1st day of May, among Abigail Kier, 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 15214 Frederick 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 Columbia and in Liber _____ Folio _____.

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:

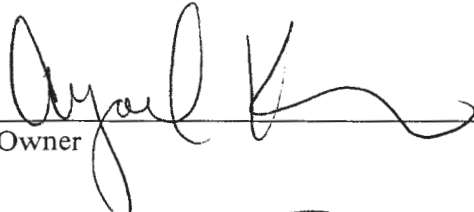
- A. Owner hereby grants to the Department and the County the right to enter upon the property at any reasonable time for access to the system to make periodic inspections and the Owner agrees to provide any information and data requested and needed by the Department to develop accurate and thorough 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 2 years as a condition of sale of the BAT. After the initial 2 year period, the owner will provide for annual maintenance by a certified service provider in perpetuity.
- 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

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

- malfunction is not the result of poor maintenance, faulty operation, or neglect.
- H. The Canaan Valley Institute agrees to grant up to \$23,127 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 this agreement on the date indicated above.

DATE: 5/1/23

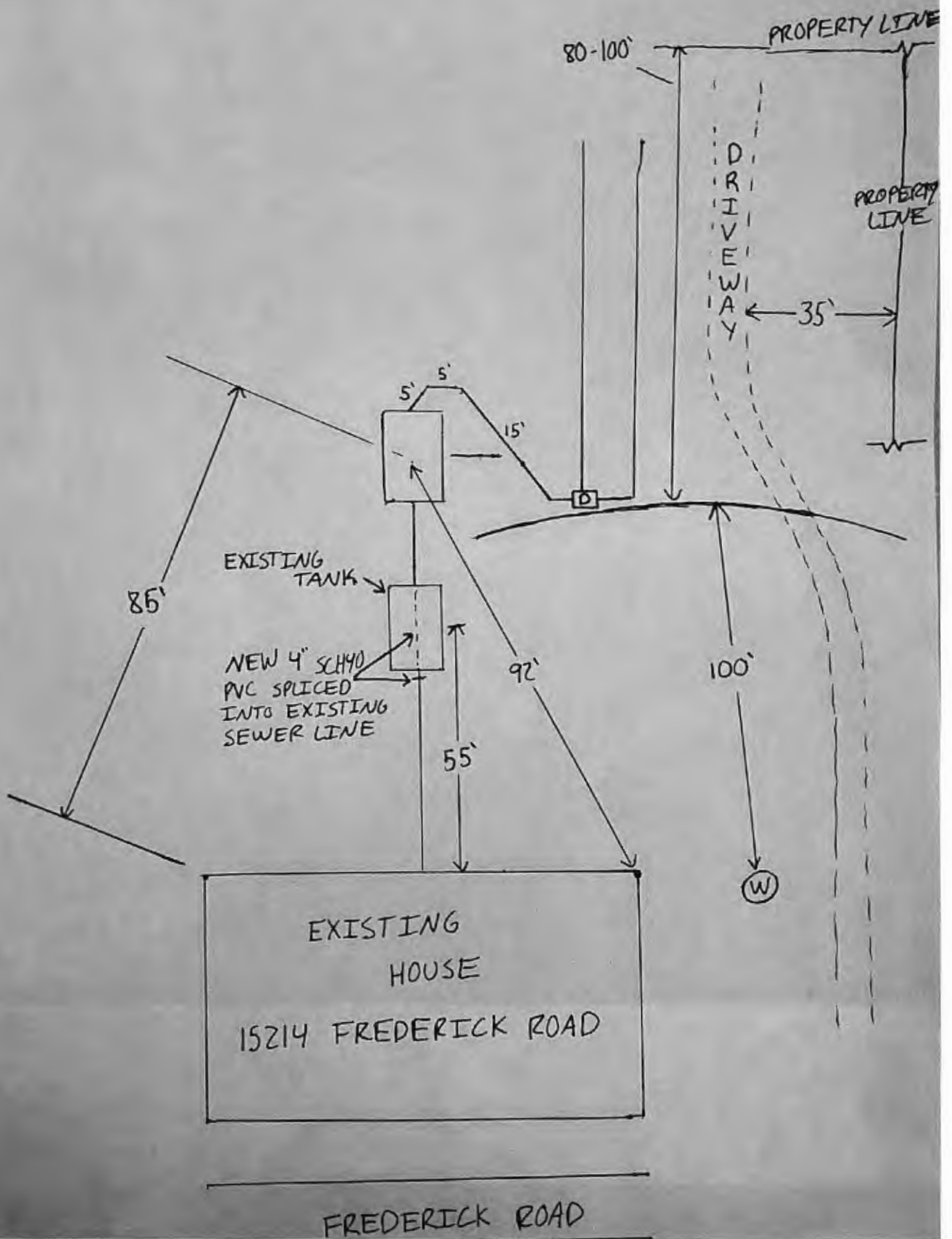


Owner

DATE: 5/1/23



Howard County Health Department



Williams, Jeffrey

From: Williams, Jeffrey
Sent: Monday, March 6, 2023 10:24 AM
To: matthew.kier@gmail.com
Cc: kwolf@howardcountymd.gov
Subject: RE: Septic Tank at 15214 Frederick Rd

Hello. I think based on the field conditions (existing trench system from 1996 partially ponding, limited repair area close to a neighboring well, limiting soil) we could say that your system is a candidate for a BAT unit. It would help clean the liquid up as it is partially upgrade of the neighboring well and hopefully keep the system functioning as long as possible before we have to figure out where to put a future replacement.

The only catch is whether we have money remaining in our current year budget for the work. We get money each July and we may be on a waitlist by now until July 2023. I will forward your contact info to Megan Lehew who will get you a grant application. In the meantime you could contact the septic contractor of your choosing and decide which BAT unit you would like to install. Let me know if there are any questions. Thanks

Jeff Williams
Deputy Director
Bureau of Environmental Health
Howard County Health Dept.
8930 Stanford Blvd. Columbia, MD 21045
410-313-4261
www.hchealth.org

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From: matthew.kier@gmail.com <matthew.kier@gmail.com>
Sent: Thursday, February 9, 2023 10:22 AM
To: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Subject: Re: Septic Tank at 15214 Frederick Rd

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

Sure he can call my cell phone at (978) 204-7944

On Feb 8, 2023, at 2:31 PM, Williams, Jeffrey <jewilliams@howardcountymd.gov> wrote:

Sounds good I'll put it in the book. Do you have a phone number for me to put in there and the inspector can call in the morning to give an inspection window?

From: matthew.kier@gmail.com <matthew.kier@gmail.com>
Sent: Wednesday, February 8, 2023 11:44 AM
To: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Subject: Re: Septic Tank at 15214 Frederick Rd

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

Hi Jeff,

Any time after 11 AM works best for Thursday 2/16. Thanks!

Best,

Matt

On Feb 7, 2023, at 9:01 AM, Williams, Jeffrey <jewilliams@howardcountymd.gov> wrote:

Hello. We can have someone out next Thursday. What time works best for your wife? We don't need to go inside, just looking at the conditions in the yard. The report on the tank is helpful. Being a block tank built on site is a condition we'd recommend changing. It will come down to the other site conditions to see if we can get you higher on the list for funds to get a BAT unit.
Jeff

From: matthew.kier@gmail.com <matthew.kier@gmail.com>
Sent: Friday, February 3, 2023 2:12 PM
To: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Subject: Re: Septic Tank at 15214 Frederick Rd

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

Hi Jeff,

Thanks for getting back to me. Do you need someone to be at home for the site visit? If so, my wife will be at home this Tuesday, or Thursday the week after. If those don't work I can take time off to be there when it works for your office. I didn't know about the property file, but I did request the information, thanks for pointing that out. I'll definitely start looking into the well situation too, I was unaware of it until now.

I have a brief write up on the quote from Tolley's about what they found, I'm attaching that here as well. We haven't had any noticeable issues (to my untrained eye) with the drainage field so far, we've been in the house only about a year and a half now.

Let me know about those dates and I'll try to make anything else work. Thanks again!

Best,

Matt

> On Feb 3, 2023, at 8:32 AM, Williams, Jeffrey <jewilliams@howardcountymd.gov> wrote:

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>

> I'm not sure if you've seen your property file from our office. It is available on the public file search via our website (<https://www.howardcountymd.gov/health/well-septic-program>). That file indicates that a repair was done in 1996 with a limited soil treatment zone beneath the trench bottoms above soil saturated with groundwater. It also appears that there is limited area for future repair systems. Finally, it indicates that there were two hand dug wells serving the house. One was not in use, but was not properly filled in and sealed. If the current well serving the house is a hand dug well, it is strongly recommended that you have a modern drilled well installed to serve the house as hand dug wells are inherent contamination risks.

>

> Back to the septic, we have limited funds available in the BRF grant and people who want to replace functioning tanks with BAT units are lower in priority than people with failing systems. However, given the site conditions with the existing drainfield, it may put you higher on the list. It may still be possible that the project would have to wait until we get more money next fiscal year (July). Let's start with a site visit. What days are you available?

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> Jeff Williams
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> -----Original Message-----
> From: matthew.kier@gmail.com <matthew.kier@gmail.com>
> Sent: Thursday, February 2, 2023 12:47 PM
> To: Williams, Jeffrey <jewilliams@howardcountymd.gov>
> Subject: Septic Tank at 15214 Frederick Rd

>

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

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> Hi Jeff,

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TOLLEY ENTERPRISES INC
 11920 LYNN CREST RD
 MONROVIA, MD 21770-9436

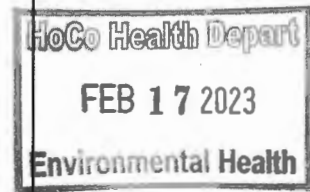
Invoice

Date	Invoice #
2/2/2023	7034

Bill To
Matthew Kier

Terms	Due Date
Due on receipt	2/2/2023

Description	Amount
1/31/2023 - Move mini excavator to site, locate and dig up both trenches and checked, 1 trench is 1/2 full, the other is dry. Camera top of tank, it's made of brick and block and needs repairing. Approximate cost \$8,000.00 - \$8,500.00	600.00



For property located at: 15214 Frederick Road, Woodbine, MD Thank you for your business.	Total	\$600.00
	Payments/Credits	\$0.00
	Balance Due	\$600.00



Septic Tank – covered with slate marble for the bonfire pit – the actual lid for the septic tank was too heavy for a person to lift



Left: Possible old hand dug well in front of an out building, the lid was too heavy to lift



Right: Trench ends



Pit Well – used for potable water supply – lid too heavy to lift



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Description	Amount
1/31/2023 - Move mini excavator to site, locate and dig up both trenches and checked, 1 trench is 1/2 full, the other is dry. Camera top of tank, it's made of brick and block and needs repairing. Approximate cost \$8,000.00 - \$8,500.00	600.00

For property located at:15214 Frederick Road, Woodbine, MD Thank you for your business.	Total \$600.00
	Payments/Credits \$0.00
	Balance Due \$600.00

