

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

Twitter: HowardCoHealthDep

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

1572174

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME TEN OAKS RD

PROPERTY ADDRESS TEN OAKS RD

STREET

TOWN

ZIP

TAX ACCOUNT # 362695 TAX MAP 22 GRID 20 PARCEL 179 LOT NO. PROPOSED LOT SIZE (ACRES) 3.609

ZONING CATEGORY RR-DEO TIER

PROPERTY OWNER(S) MAE L PARSLEY

DAYTIME PHONE CELL EMAIL

MAILING ADDRESS 4244 TEN OAKS RD DAYTON MD 21036-1134

STREET

CITY, STATE

ZIP

APPLICANT Mr. Busheef Ahdlnn RELATIONSHIP TO OWNER: contract purchaser

DAYTIME PHONE CELL 443-992-3989 EMAIL usabash007@gmail.com

MAILING ADDRESS 10904 Kathleen Court Columbia, Md 21044

STREET

CITY, STATE

ZIP

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):

PROPERTY:

- Subdivision: Number of lots including residue: Subdivision classification (per dept. of planning and zoning) Major Minor
Construct new OSDs on undeveloped lot
Repair or replace failing OSDs
Upgrade existing OSDs

BUILDING:

- Residential with 4 or 5 existing or proposed bedrooms in the completed structure
Commercial (provide detail of type of use and numbers of employees/customers on accompanying plan)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- Yes
No

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- This application is valid for two(2) years from date of fee payment and approval is based upon health officer signature of a perc certification plan prior to expiration of this permit.
The application fee is non-refundable
This application must be accompanied by all applicable fees and a suitable site plan in order to be processed
This is a public document

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

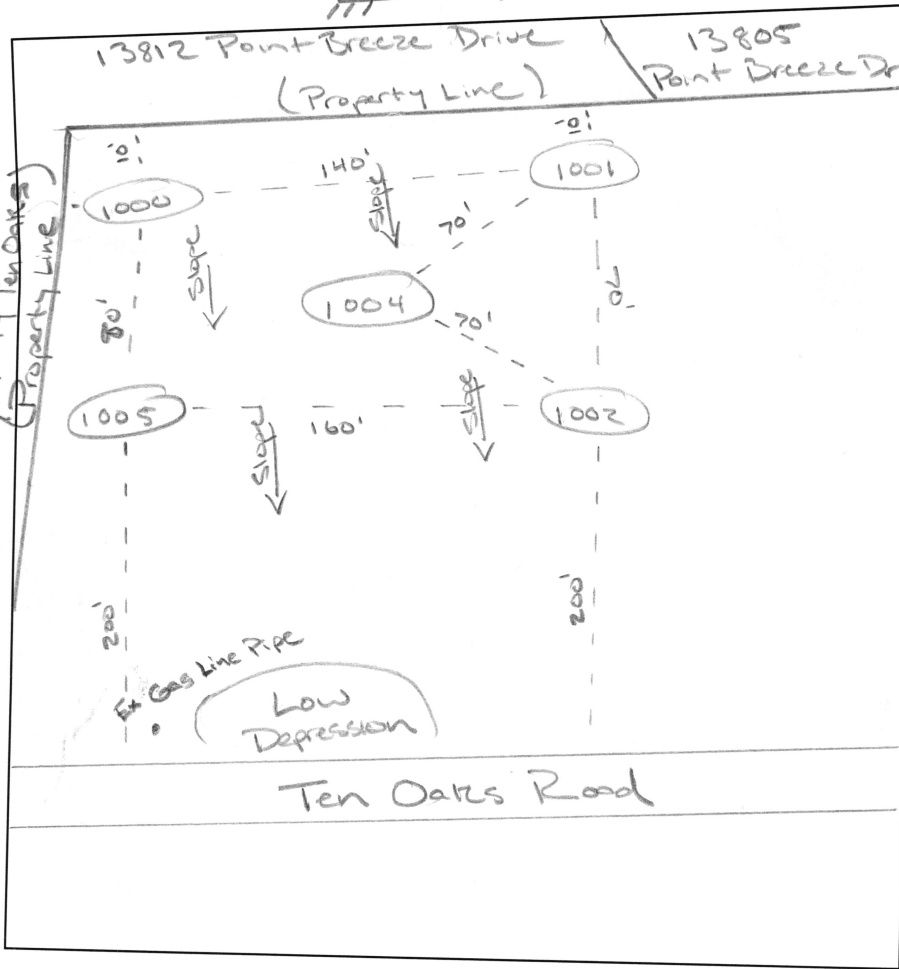
SIGNATURE OF APPLICANT

DATE

9/12/22

WS-PT-22-03084

AP A572174



1002
 PB, Loam
 SB, SBK,
 SIL, MVFR,
 4.5' to Flaty
 SB, Thin Platy,
 MVFR, SL
 ↓
 12.5' Silt @ 4.5'

1000
 PS, SBK
 Loam
 SB, 2H SBK,
 MVFR, CL
 Platy @ 1.6'
 1.6'
 SB, Platy,
 MVFR, SIL
 MFR
 3.5'
 SB, BY, Thin
 Platy, MVFR,
 SIL, Very Fine
 mica
 ↓
 12.5'

1004
 S
 A
 M
 F
 A
 S
 1002

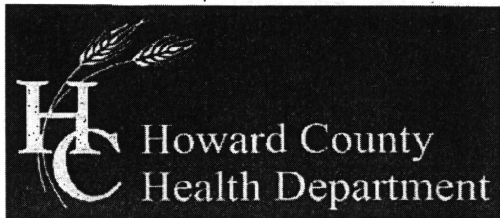
1001
 S
 A
 M
 F
 A
 S
 1002
 (But
 Pipe)

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/18/2022	1002	5 / 12	9:23	9:25	9:28	3	P
	1001	4.5 / 12	9:30	9:31	9:33	2	P
	1004	5.5 / 12.5	9:34	9:36	9:38	3	P
	1000	4.5 / 12.5	9:38	9:39	9:45	3	P
	1005	5 / 12	9:41	9:44	9:50	6	P

1005
 PB, PB2
 .6, Loam
 1.6'
 SB, SBK / Platy
 MFI, CL
 3'
 SB, RY, Thin
 Platy, SIL,
 MVFR, 15%
 Rx Between
 3'-5'
 5'
 SB, BY, Thin
 Platy, MFR,
 SIL
 ↓
 12'

REMARKS Soils fairly consistent
 SANITARIAN RSF BACKHOE Jeff Allen OTHERS Visher, Tony
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

MAE PARSLEY PROPERTY



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

APPLICATION FOR VARIANCE
TO COMAR ONSITE WATER/SEWER FOR MDE APPROVAL

Date Submitted 12/12/2022

Mailing Address: 4244 Ten Oaks Dayton MD 21036 (See Tax ID for subject property)

Property Address

Table with 6 columns: MAE Parsley Property, N/A, 22, 20, 179, 05-362695. Subdivision, Lot, Tax Map, Grid, Parcel, Tax Account #

Provide a brief site history including previously submitted and active plans with the Health Department or the County (subdivision plans, perc test applications, Building Permit applications):
Percolation Certification Plan being submitted for undeveloped property.

In the area below, list the specific section of the Code of Maryland Regulations (COMAR) to which a variance is being requested and provide a brief summary of the regulation and an explanation of why the variance is being requested (Attach a separate sheet if necessary).

Table with 2 columns: Regulation Section, Summary and Explanation. Row 1: 26.04.02.05. B.(2), OSDS must be located downgrade from a private well. Row 2: OSDS is proposed to be upgrade of existing well on 4195 Ten Oaks Rd.

Handwritten signature of property owner

Property Owner's Signature

Health Department Use Only

Reviewed by

Handwritten signature of HCHD Staff, Date 1/3/2023

Recommendation:

[x] Recommended [] Not Recommended

Handwritten signature of HCHD Supervisor, Date 1/3/2023

Comments/Conditions:

BAT + LPD (see signed PC 12/30/22)
RAC 1/6/2023

DocuSigned by:

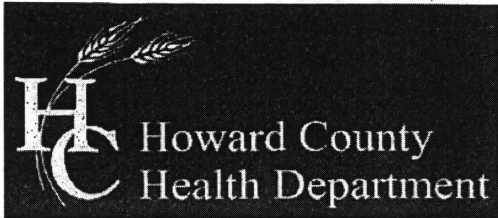
Approved by:

Steven R. Krieg LEHS REHS/RS

1/3/2023

MDE Representative

Date



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Handwritten signature of HCHD Staff and date 1/3/2023

Recommendation:

[X] Recommended [] Not Recommended

Handwritten signature of HCHD Supervisor and date 1/3/2023

Comments/Conditions:

Approved by:

DocuSigned by: Steven R. Krieg LEHS REHS/RS 1/3/2023
MDE Representative Date

4196 Ten Oaks Road (Mae Parsley) Round #2 comments
(1/18/24)

- ✓ 1. Label title as "Site Plan for BAT Installation."
- ✓ 2. Agricultural pump tank is located less than 100' from neighboring well HO-95-0469. Please correct.
- ✓ 3. Need to show 100' well arc for that neighboring well also.
- ✓ 4. We recommend putting an effluent filter inside the 1500GAL tank/pump pit for the agricultural structure as an added safety measure to avoid issues with the pump and the 2" force main.
- ✓ 5. Bottom left perc hole not labeled.
- ✓ 6. Lateral lengths should be 47.25 for 14 perforations with 3.5' spacing.
 - a. Need to clearly state that manifold to first perforation should be 1.75'.
 - b. Need to clearly state that "last perforation" should be inside elbow.
- ✓ 7. It was recommended that the manifold be constructed of 3" PVC.
 - a. The force main, which is separate, can be either 2" or 3" based on designer preference.
 - b. Health has no objections to either choice as long as calculations are correct and that the best pump is chosen for either design.
- ✓ 8. Need to clearly label trenches 1, 2, and 3 on site plan drawing.
- ✓ 9. Need to clearly show spun geotextile fabric 6" above inlet in all three trench details.
- ✓ 10. Should specify that stone in trench is $\frac{3}{4}$ " to 2" only.
- ✓ 11. Show three observation ports, one in each trench.
 - a. Need to provide observation port detail.
 - b. Should be near middle end.
- ✓ 12. Still should show 4195 Ten Oaks Road existing well on BAT plan.
13. Recommend looking at BAT site plan requirements for three other missing general notes from Environmental Health website.

Check
Calc

Transmittal

Via: Fax Mail Messenger E-Mail To Be Picked Up
 Fax (original to follow via U.S. Mail)

To: Bureau of Environmental Health 8930 Stanford Blvd Columbia, MD 21045	Attn: Zack Silvast Fax: Phone:
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From: Luke A. Groom, P.E.	CC:
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Re: Mae Parsley Property, Septic Installation	W.O.# 22059-3001
Date: December 29, 2023	Pages: 3 Page(s) Including this cover

We are forwarding: <input checked="" type="checkbox"/> Prints <input type="checkbox"/> Copy of Letter <input type="checkbox"/> Specifications <input type="checkbox"/> Shop drawings <input type="checkbox"/> Other <input type="checkbox"/> Urgent <input type="checkbox"/> For your use <input type="checkbox"/> As requested <input type="checkbox"/> For Review & Comment
--

Remarks:

Mr. Silvast:

In conjunction with the submission of the above referenced project.

Attached you should find:

3 Sets of Septic Installation Site Plan

3 Copies of Response Letter

3 Copies of Wasp Panel Details

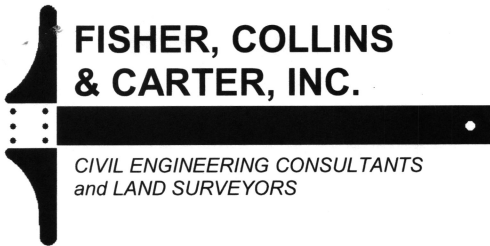
Please feel free to contact me if you require any additional information.

Regards,

Luke A. Groom, P.E.

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**FISHER, COLLINS
& CARTER, INC.**

CIVIL ENGINEERING CONSULTANTS
and LAND SURVEYORS

Terrell A. Fisher, P.E., L.S.
Earl D. Collins, P.E.
Charles J. Crovo, Sr. P.E., L.S.

Paul W. Kriebel, P.E.
Mark L. Robel, P.L.S.
Aldo M. Vitucci, P.E.
Frank J. Manalansan II, L.S.
Michael J. McCann

December 29, 2023

Mr. Zack Silvast
Bureau of Environmental Health
8930 Stanford Blvd
Columbia, MD 21045

Re: Mae Parsley
4196 Ten Oaks Road

Mr. Silvast,

We are in receipt for your comment letter dated December 12, 2023. We are responding to your comments with the following item-by-item response:

Review Comments:

1. *No trenches, 50 feet and under, can be split into center feed distribution.*
 - a. *Should be end feed.*

Response: It is understood that no trenches, 50 feet and under can be split into center feed distribution. They have been corrected to end feed.

2. *Need to show 3-inch manifold, clearly and distinctly labeled.*

Response: 3 inch manifold has been clearly shown and distinctly labeled.

3. *Shouldn't the 1000 GAL "2 compartment" septic tank in actuality be a one compartment settling tank?*
 - a. *Two compartment settling tank means one chamber is going to get gunked up quick & it won't settle as nicely. Or you could propose a normal 1500 GAL two compartment if you really wanted that "double settling" but it's almost unnecessary when it'll be connected to a BAT unit for "true" pre-treatment.*

Response: A 1,500 GAL. two compartment tank has been proposed for double settling.

4. *The plans are currently chaotic with all the tank diagrams. Can we please get good bold labels on these & maybe keep all the figures together for each system?*
 - a. *Right now it's PUMP DETAIL. Ok pump detail for what? And now I have to read 7 little notes to figure out which one it is.*
 - b. *And the notes are not accurate. I'm seeing one Norweco BAT septic tank at a pump tank detail on the first page & my Norweco detail is the last thing on the back page.*

- c. *Should get all the pump info on the 2nd page, bring the Norweco insert to the front page. And provide me all my trench & lateral details on the first page.*
- d. *Missing lateral detail chart. (which appears to be broken up into several sections scattered throughout the plan)*
 - 1. *Need end to end elevations, for trench slope requirements. There can be no more than 10% elevation change between all three laterals.*
 - 2. *Need perforation spacing. GAL per trench. Perforation diameter, lateral length. Lateral diameter.*

Response: The plans have been revised to show bold labels, notes are accurate, the pump info has all been shown on the 2nd page and the lateral detail chart has been shown and not broken into several sections.

- 5. *Each system should be represented in the trench detail chart.*
 - a. *Initial, replacement 1, replacement 2.*

Response: Each system has been represented in the trench detail chart as requested.

- 6. *Lateral inverts should be closer to two feet depth. Correct stone and earth cover.*
 - a. *Lateral length should be 47.25 (still 14 perforations)*

Response: Lateral inverts have been moved to closer to two feet depth. Lateral length has been adjusted.

- 7. *Each selected pump, from the manufacturer pump curves, should be labeled and near their respective pump chamber details & calculations.*

Response: Each selected pump, from the manufacturer pump curves has been labeled and are near their respective pump chamber details and calculations.

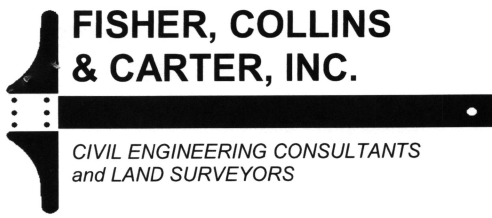
- 8. *We are calculating that the dose from the agricultural structure should be around 105 GAL dose based on the run and the friction. Right now, under a little bit too much.*

Response: Volume in 2" pipe = $\pi \cdot (1/12)^2 \cdot SF \cdot 408 \text{ LF} \cdot 7.48 \text{ GAL/CF} = 66 \text{ GAL}$
1/6 Design Flow = 25 GAL
Dose = 91 GAL

- 9. *Need to show sched. 40 PVC sleeve under driveway for agricultural structure force main. (label driveway)*

Response: The sched. 40 PVC sleeve under the driveway for agricultural structure force has been shown and driveway labeled.

- 10. *Label all housing structures with appropriate addresses.*



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& CARTER, INC.**

CIVIL ENGINEERING CONSULTANTS
and LAND SURVEYORS

Response: All housing structures with appropriate addresses have been labeled.

11. *Label SDA and with correct square footage.*

Response: The SDA has been labeled with correct square footage.

12. *Label 1500 sq. ft. well box.*

Response: The 1500 sq. ft. well box has been labeled.

13. *In the system calculations next to the vicinity map, specify the extra 150 GPD added to each system is for the agricultural structure utilities.*

Response: The extra 150 GPD added to each system for the agricultural structure utilities has been specified.

14. *Remove note #6, not relevant.*

Response: Note #6 has been removed.

15. *Consolidate space by saying that the system specifications for initial and both replacements are the exact same calculations and depths. *Can technically remove replacement 1 & 2 specs since same as initial. Just clarify, all three systems will be designed with the specs.*

Response: Space has been consolidated by saying that the system specifications for initial and both replacements are the exact same calculations and depths.

16. *The two norweco service sheets could just be provided as a separate supplemental relayed on an 8" x 11" letter-style paper.*

Response: The two norweco service sheets are now separate on 8"x11" letter-style paper.

17. *We will need a signed O&M agreement prior to septic permit release.*

Response: It is understood that you need a O&M agreement prior to septic permit release.

Thank you for your technical review. The comments have been addressed on the revised plans.

Very Truly Yours,
Fisher, Collins and Carter, Inc.

Luke A. Groom, P.E.



HOWARD COUNTY HEALTH DEPARTMENT

72174

DATE 9/15/72

AS

Received From

Bashar Abdalla PHONE # 4392-3989

For

Less app/ parcel 179
for 000 RD,

CASH

CHECK

NO.

149

Five hundred no Dollars

500.00

Received By

King