



Bedford Soil Consulting and Design, LLC.
Brock Malcolm, Master AOSE
1386 Jefferson Terrace
Bedford, VA. 24523
540-875-6124; bedfordsoilconsultinganddesign@gmail.com

August 3, 2024

Thomas & Helen Miles
4 Mount Vernon Pl
Chadds Ford, PA 19317

Re: Soil Feasibility Study
Southern Timberlands Subdivision, Lot#7
Tax Map Number: 260-2-7
Parcel Number (RPC): 26000001
64.26 Acre Tract, Timberland Trail
Bedford County, VA

Dear Mr. & Mrs. Miles:

The following soil study on the above referenced parcel has been completed. The soils have been evaluated to determine suitability to support an alternative residential septic system.

I am pleased to report positive results.

This letter is written to show that the soils on the above referenced parcel,
Southern Timberlands Subdivision, Lot#7, Tax Map Number: 260-2-7, 64.26 Acre Tract located on
Timberland Trail in Bedford County, Virginia.
should be able to support an alternative (TL-3 treatment), residential, drip-dispersal septic-system
for a minimum of a four (4) bedroom single family home.

This study is based upon soil standards as defined by the Virginia Department of Health's (VDH) On-Site Sewage Handling and Disposal Regulation. It appears, based upon my professional opinion, that the soils meet the criteria for an alternative septic system. This has been a general study for assurance and collateral purposes. A septic permit and formal VDH approval will require more detailed information, tied to a specific construction plan and a specific building location. A Professional Engineer must be consulted for any further permitting needs based upon this site/soil evaluation. I have included a copy of the soil study, survey plat, rough site sketch and GIS Photo of the property. The soils are suitable at location #1 & #2.

This study has been conducted for septic-drainfield purposes only. Should you have questions in this regard, please feel free to call or email. Thank you.

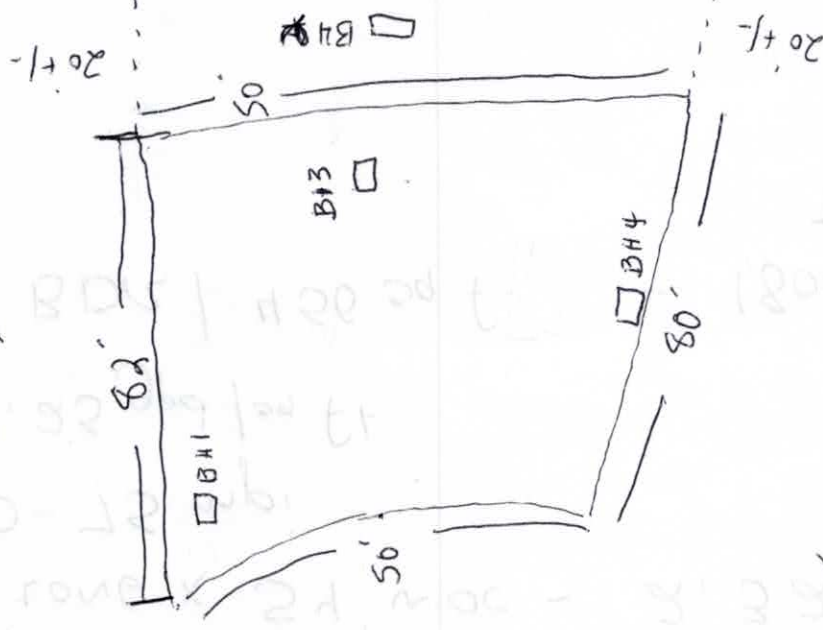


Sincerely,

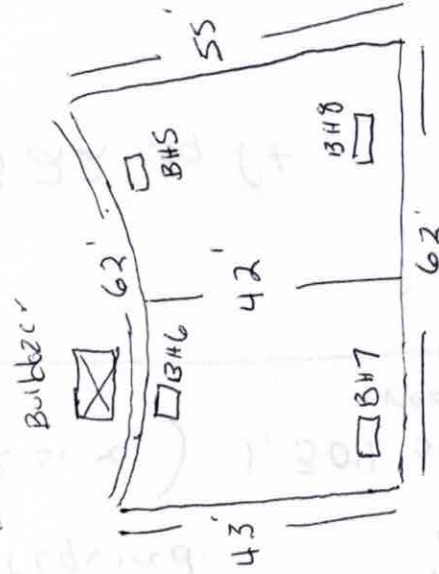
Brock H. Malcolm
Master Alternative Onsite Soil Evaluator (MAOSE)
#1940001220
Bedford Soil Consulting & Design LLC

7/19/24

7% 



RIDGETOP



6% 

* Groundwater mounding calculations are required

* Engineer recommends deep Disposal Field

* TL-3 Treatment Required

Site and Soil Evaluation Report

VDH Use Only

HDIN: _____

General Information	
Date: 7/19/2024	County Health Department
Owner: Thomas & Helen Miles	Phone: 484-680-2172
Owner Address: 4 Mount Vernon Pl, Chadds Ford, PA 19317	
Property Address: Timberland Trail, Huddleston, VA 24104	
Tax Map/GPIN #: 260-2-7	
Subdivision: Southern Timberlands	
Section: NA	Block: NA
Lot: 7	
Soil Information Summary	
1. Position in landscape satisfactory: ☒ Yes ☐ No Describe landscape position: Summit/Ridgetop	
2. Slope: 6-7 %	
3. Depth to rock/imperious strata: Max. 48 in. Min. 18 in. ☐ Not observed	
4. Free Water Present: ☐ Yes ☒ No Range in inches: _____	
5. Depth to seasonal water table (gray mottling or gray color): _____ inches ☒ Not observed	
6. Soil percolation rate estimated: ☒ Yes ☐ No Estimated rate: 70-75 min/in at 6 inches depth	
Texture Group: ☐ I ☒ II ☒ III ☐ IV	
7. Percolation test performed: ☐ Yes ☒ No If yes, provide additional data on percolation test results.	
Name and title of evaluator: Brock Malcolm, Master AOSE#1940001220	
Signature: 	
☒ Site approved: DRIP DISPERSAL (describe dispersal area, e.g. absorption trenches) dispersing	
TL-3 Effluent (proposed level of treatment at time of evaluation) to be placed at 6 (inches) depth at site designated on permit. Site provides a total of 7,000 +/- square feet of absorption area for primary and reserve (if applicable).	
☐ Site disapproved: Reasons for rejection (check all that apply)	
1. ☐ Position in landscape subject to flooding or periodic saturation.	
2. ☐ Insufficient depth of suitable soil over hard rock.	
3. ☐ Insufficient depth of suitable soil to seasonal water table.	
4. ☐ Rates of absorption too slow.	
5. ☐ Insufficient area of acceptable soil for required absorption area, and/or reserve area.	
6. ☐ Proposed system too close to well.	
7. ☐ Other (specify) _____	

Date of Evaluation: 7/19/2024

SOIL EVALUATION REPORT

Health Department Identification No. _____

Page 2 of 3

Hole #	Horizon	Depth (in.)	Description of, color, texture, etc.	Texture Group
BH-1	Ap	0-3	10YR 5/3 Brown Loam	3
	Bt	3-12	7.5YR 5/6 Strong Brown Silt Loam	3
	Bt2	12-32	2.5YR 4/8 Red Silty Clay Loam, slightly sticky with lithochromic mottles of 10YR 8/8 yellow-----Roots present to 24" deep	3
	R	32	Seam of sericite schist in upper side of trench (25% rock content) - seam of rock runs vertically at 75 degree pitch	
	R	32	Backhoe refusal due to rock	
BH-2	Ap	0-3	10YR 5/3 Brown Loam	3
	Bt	3-18	7.5YR 5/6 Strong Brown Silt Loam/Silty Clay Loam (Light) with 10% rock (sericite schist) content throughout this horizon	3
	R	18	Backhoe refusal due to rock	
BH-3	Ap	0-3	10YR 5/3 Brown Loam	2
	Bt	3-12	7.5YR 5/6 Strong Brown Silt Loam with 10% rock (sericite schist) content throughout this horizon	3
	Bt2	12-24	2.5YR 4/8 Red Silty Clay Loam, slightly sticky with lithochromic mottles of 10YR 8/8 yellow-----Roots present to 24" deep	3
	R	24	Seam of sericite schist in upper side of trench (25-35% rock content) - from 20"-24"	
	R	24	Backhoe refusal due to rock	
BH-4	Ap	0-3	10YR 5/3 Brown Loam	2
	Bt	3-12	7.5YR 5/6 Strong Brown Silt Loam	3
	Bt2	12-18	2.5YR 4/8 Red Silty Clay Loam	3
	Cr	18-24	Greater than 50% rock content throughout this horizon	
	R	24	Backhoe refusal due to rock	
BH-5	Ap	0-3	10YR 5/3 Brown Loam	2
	Bt	3-12	7.5YR 5/6 Strong Brown Silt Loam	3
	Bt2	12-30	2.5YR 4/8 Red Silty Clay Loam (slightly sticky) with lithochromic mottles of 10YR 8/8 yellow and 10R 3/3 dusky red-----roots present to 25" deep	3
	Cr	30-48	Greater than 50% rock content	
	R	48	Backhoe refusal due to rock	

Profile Description

SOIL EVALUATION REPORT

Date of Evaluation 06/19/2024

Health Department Identification No. NA

Page 3 of 3

[illegible]

