

Roger Maxie
255 Cedar Lane
Critz, VA. 24082
(276) 692-4115
SouthernSoils255@yahoo.com

Ben Maxie
(757) 287-6238

thern Soils VA, LLC
255 Cedar Lane
Critz, VA. 24082
(276) 692-4115

2/13/2024
Kirt Sharpe
4215 Chippenham Court
Graham, NC. 27253

RE. Tax map # 4711-4-83

Dear Kirt Sharpe,

We have completed the preliminary soil evaluation study that was requested for the above referenced property. The purpose was to determine the suitability of the soil for the installation of a conventional subsurface drainfield (d/f). Please see the vicinity map enclosed for the soil boring locations.

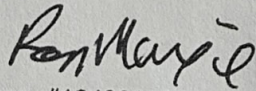
A soil evaluation report is attached that generally describes the soils of the prospective drainfield. Please note, this is not a permit. In order to be permitted in the future, footprint may need to be surveyed or triangulated with two permanent measurement points.

At least three soils borings were done within the acceptable area with a soil auger and the corners were flagged on contour. The soils in this area are suitable for a subsurface, conventional sewer system in the flagged area. **Care must be taken to protect this proposed area from damage.** The potential gallons per day (GPD) for this tract has been determined by soil and area suitability, and the site has a two bedroom/300 gallons per day gravelless footprint. Future House locations and placement of a basement with fixtures would dictate whether a pump would be necessary on the prospective d/f.

As a result of these studies, it is my opinion that the soils in the area of the borings meet the requirements established by the Virginia Department of Health Regulations, and there is enough area for the installation of a subsurface, conventional drainfield suitable for at least a 300 GPD system.

Thank You...Please contact me if you have any questions or if I can be of further assistance.

Sincerely,



Roger Maxie, Aose #1940001296

and Soil Evaluation Report

VDH Use Only
 HDIN: _____

General Information

Date: 2/13/2024 Patrick County Health Department
 Owner: Kirt Sharpe Phone: 919-672-0869
 Owner Address: 4215 Chippenham Court, Graham, NC 27253
 Property Address: same
 Tax Map/GPIN #: 4711-4-83
 Subdivision: _____ Section: _____ Block: _____ Lot: _____

Soil Information Summary

1. Position in landscape satisfactory: Yes No Describe landscape position: upland sideslope
2. Slope: 17 %
3. Depth to rock/impervious strata: Max. _____ in. Min. _____ 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: 40 min/in at 40 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: Roger Maxie..Aose.. 1940001296
 Signature: *Roger Maxie*

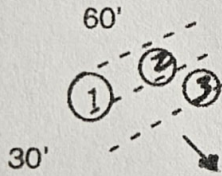
Site approved: footprint (describe dispersal area, e.g. absorption trenches) dispersing
primary (proposed level of treatment at time of evaluation) to be placed at 40 (inches) depth at
 site designated on permit. Site provides a total of 540 square feet of absorption area for primary and
 reserve (if 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)

Patrick Co.
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prop. 2 br
no bsmt.



Prop. center
of footprint

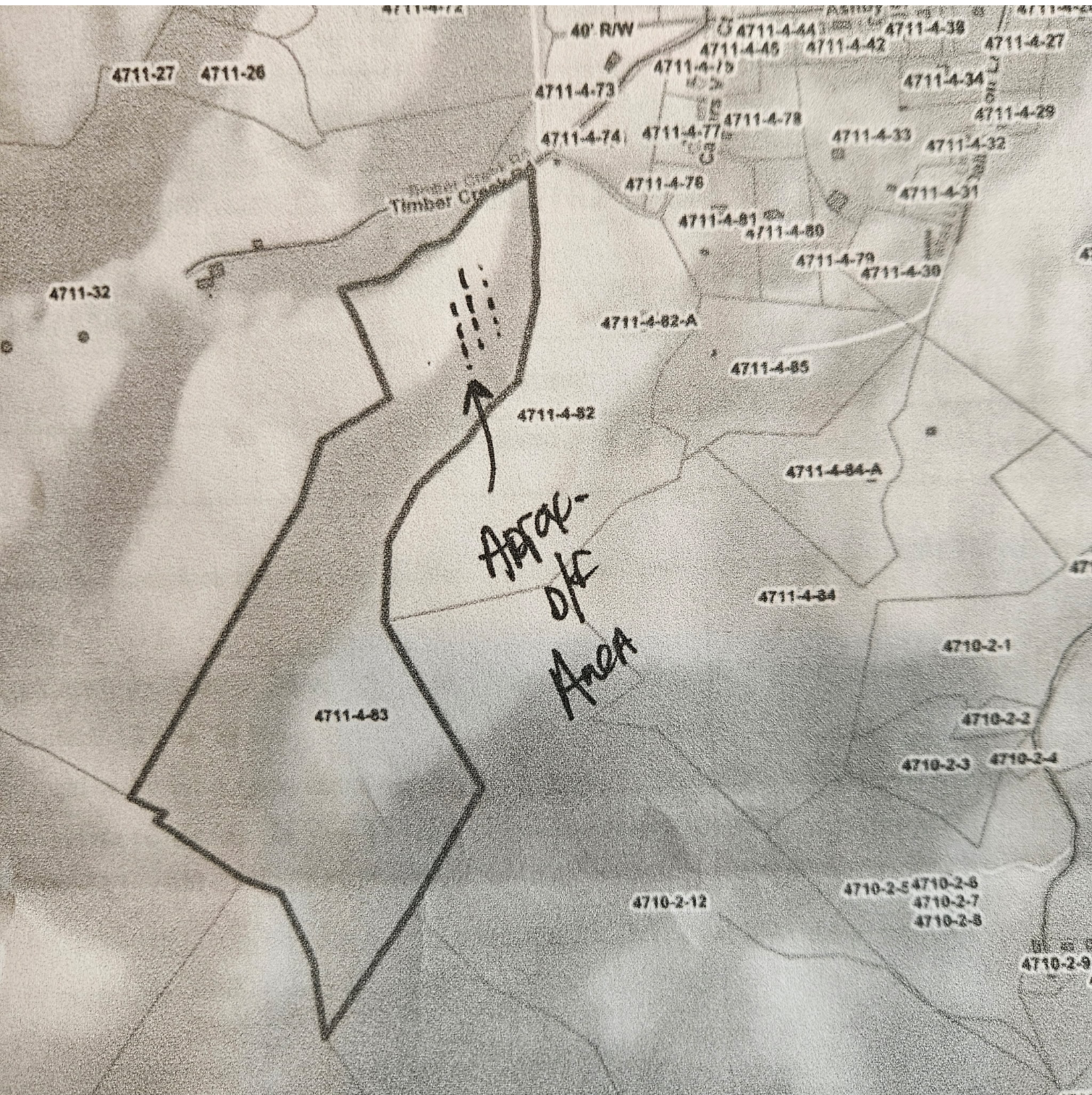
36,37',34" N
80,17',5" W

prop.
footprint

3 lines
60' long
40" deep
36" wide
9' centers
gravelless

driveway

ex. camper
site



Area of
D/E
Area

Timber Creek

40' R/W

4711-27 4711-26

4711-32

4711-4-73

4711-4-74

4711-4-75

4711-4-78

4711-4-33

4711-4-32

4711-4-29

4711-4-78

4711-4-81

4711-4-80

4711-4-79

4711-4-30

4711-4-82-A

4711-4-85

4711-4-84-A

4711-4-82

4711-4-84

4711-4-83

4710-2-1

4710-2-2

4710-2-3

4710-2-4

4710-2-12

4710-2-5

4710-2-6

4710-2-7

4710-2-8

4710-2-9