

Site and Soil Evaluation Report

VDH Use Only
 HDIN: _____

General Information

Date: 6/13/2025 Greensville County Health Department
 Owner: Terrain Trade Phone: _____
 Owner Address: _____
 Property Address: TBD Fish Road, Emporia, VA 23847
 Tax Map/GPIN #: 53-6-B
 Subdivision: _____ Section: _____ Block: _____ Lot: 1

Soil Information Summary

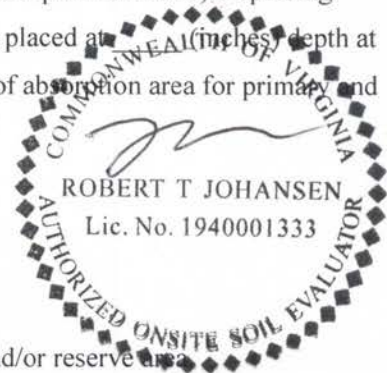
1. Position in landscape satisfactory: ☒ Yes ☐ No Describe landscape position: sideslope
 2. Slope: 5 %
 3. Depth to rock/impervious strata: Max. _____ in. Min. _____ in. ☒ Not observed
 4. Free Water Present: ☐ Yes ☒ No Range in inches: _____
 5. Depth to seasonal water table (gray mottling or gray color): _____ inches ☒ Not observed
 6. Soil percolation rate estimated: ☒ Yes ☐ No Estimated rate: 70 min/in at 18 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: Robert Johansen, OSE 1940001333

Signature: _____

☐ Site approved: _____ (describe dispersal area, e.g. absorption trenches) dispersing _____ (proposed level of treatment at time of evaluation) to be placed at _____ (inches) depth at site designated on permit. Site provides a total of _____ 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: 6-2025

Profile Description

SOIL EVALUATION REPORT

Property ID: lot 1

Where the local health department conducts the soil evaluation the location of profile holes may be shown on the schematic drawing on the construction permit or the sketch submitted with the application. If soil evaluations are conducted by a private Onsite Soil Evaluator or Professional Engineer, location of profile holes and sketch of the area investigated including all structural features (i.e. sewage disposal systems, wells, etc.) within 200 feet of the site and reserve site shall be shown on the reverse side of this page or prepared on a separate page and attached to this form.

☐ See application sketch ☐ See Construction Permit ☒ See sketch on reverse side or page attached to this form.

[illegible]

REMARKS: _____

Abbreviated Design Form

This form is for use with gravity, pump to gravity, enhanced flow, and low pressure distribution (LPD) sewage system designs and when applying for a certification letter or subdivision approval.

This abbreviated design covers the ☐ primary and reserve area, ☒ only the primary area, ☐ only the reserve area (check one) for lot 1 _____ property ID).

Design Basis

Total length of available area: 60'

Total width of available area: 57'

Estimated Perc. Rate: 70 at 18 in. (depth) Number of bedrooms (or GPD): 3

Conveyance Method¹: Gravity

Distribution method² (specify): _____

Dispersal system basis³ GMP #2016-01

LGMI required? No (Yes/No)

Effluent quality required: Primary (Primary, Secondary, Advanced Secondary)

Square feet per bedroom: 408

Total trench bottom area required: 1224

¹ Gravity, pump, siphon

² Enhanced flow, LPD, or Drip Dispersal

³ Table 5.4 of SHDR, identify the GMP used, or Table 1 of Alt. Sewage Regs

Area Calculations

Number of trenches 7 (Note if a pad is used)

Length of pad or trenches: 60'

Width of pad or trenches: 3'

Center to center spacing: 9'

Reserve required? yes; see next page

Percent reserve area required: 50%

Total width of absorption area required 57'

Total trench bottom area provided: 1260

The required width is calculated by multiplying the center-to-center spacing by one less than the number of trenches and adding 1 trench width plus any required reserve area. If the topography is not uniform across the length of the site the trenches will need to flare apart on one end to maintain contour. When this occurs it is necessary to use a center-to-center spacing that accounts for the flair or the installer will not be able to fit the system within the approved area. It is perfectly acceptable to have more area available, especially up and down the slope, than is required.

Note: Actual drainfield design contingent upon Health Department review and approval.

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Abbreviated Design Form

This form is for use with gravity, pump to gravity, enhanced flow, and low pressure distribution (LPD) sewage system designs and when applying for a certification letter or subdivision approval.

This abbreviated design covers the ☐ primary and reserve area, ☐ only the primary area, ☒ only the reserve area (check one) for lot 1 _____ property ID).

Design Basis

Total length of available area: 60'

Total width of available area: 21'

Estimated Perc. Rate: 70 at 18 in. (depth) Number of bedrooms (or GPD): 3

Conveyance Method¹: Pump

Distribution method² (specify): Enhanced Flow

Dispersal system basis³ Table 1 of Alt. Sewage Regs

LGMI required? No (Yes/No)

Effluent quality required: Advanced Secondary (Primary, Secondary, Advanced Secondary)

Square feet per bedroom: 294.1

Total trench bottom area required: 441.2

¹ Gravity, pump, siphon

² Enhanced flow, LPD, or Drip Dispersal

³ Table 5.4 of SHDR, identify the GMP used, or Table 1 of Alt. Sewage Regs

Area Calculations

Number of trenches 3 (gravity trenches with Anua Purasys SBR1-6) (Note if a pad is used) Length of pad or trenches: 60'

Width of pad or trenches: 3'

Center to center spacing: 9'

Reserve required? yes

Percent reserve area required: 50%

Total width of absorption area required 21'

Total trench bottom area provided: 540

The required width is calculated by multiplying the center-to-center spacing by one less than the number of trenches and adding 1 trench width plus any required reserve area. If the topography is not uniform across the length of the site the trenches will need to flare apart on one end to maintain contour. When this occurs it is necessary to use a center-to-center spacing that accounts for the flair or the installer will not be able to fit the system within the approved area. It is perfectly acceptable to have more area available, especially up and down the slope, than is required.

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