

**OSE/PE Report For:**

- Construction Permit    
  Repair Permit    
  Voluntary Upgrade Permit    
  Certification Letter    
  Subdivision Approval

**Property Location:**  
 911 Address: TBD Bent Mountain Road State /City: Bent Mountain, VA  
 Lot 36 Section II Subdivision Stonerige At Bent Mountain  
 GPIN or Tax Map # 111.0-01-36.00 Health Dept ID # \_\_\_\_\_  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

**Applicant or Client Mailing Address:**  
 Name: Stoneridge At Bent Mountain, LLC C/O John Atkinson Jr Phone: \_\_\_\_\_ Email: \_\_\_\_\_  
 Street: 1228 Pembroke Jones Dr  
 City: Wilmington State NC Zip Code 28405

**Prepared by:**  
 OSE Name Stephen D. Dalton License # 1940001068  
 Address 305 Oak Street  
 City Hillsville State VA Zip Code 24343  
 PE Name \_\_\_\_\_ License # \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Date of Report 5/29/25 Date of Revision #1 \_\_\_\_\_  
 OSE/PE Job # \_\_\_\_\_ Date of Revision #2 \_\_\_\_\_

**Contents/Index of this report (e.g., Site Evaluation Summary, Soil Profile Descriptions, Site Sketch, Abbreviated Design, etc.)**

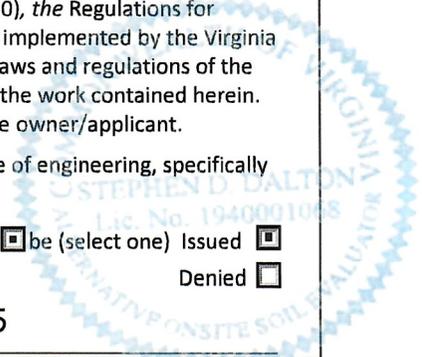
<input checked="" type="checkbox"/> OSE Report	<input type="checkbox"/> System Specs	<input checked="" type="checkbox"/> Abbreviated Design
<input checked="" type="checkbox"/> Application	<input type="checkbox"/> Construction Drawing	<input type="checkbox"/> Site Sketch
<input checked="" type="checkbox"/> Site Report	<input checked="" type="checkbox"/> Well Specs	<input checked="" type="checkbox"/> Map
<input checked="" type="checkbox"/> Soil Report	<input type="checkbox"/> Pump Specs	<input checked="" type="checkbox"/> Reserve

**Certification Statement**  
 I hereby certify that the evaluations and/or designs contained herein were conducted in accordance with the applicable provisions of the Sewage Handling and Disposal Regulations (12 VAC5-610), the Private Well Regulations (12 VAC5-630), the Regulations for Alternative Onsite Sewage Systems (12VAC5-613) and all other applicable laws, regulations and policies implemented by the Virginia Department of Health. I further certify that I currently possess any professional license required by the laws and regulations of the Commonwealth that have been duly issued by the applicable agency charged with licensure to perform the work contained herein. The potential for both conventional and alternative onsite sewage systems has been discussed with the owner/applicant.

The work attached to this cover page has been conducted under an exemption to the practice of engineering, specifically the exemption in Code of Virginia Section 54.1-402.A.11

I recommend that a (select one): construction permit  certification letter  subdivision approval  be (select one) Issued  repair permit  voluntary upgrade  Denied

OSE/PE Signature Stephen D. Dalton Date 5/29/25



# Commonwealth of Virginia

Application for:  Sewage System  Water Supply

<b>VDH Use only</b>	
Health Department ID#	_____
Due Date	_____

Owner Stoneridge At Bent Mountain , LLC C/O John Atkinson Jr

Mailing Address 1228 Pembroke Jones Dr  
Wilmington NC 28405

Agent Southwest Soils, Inc.

Mailing Address 305 Oak St.  
Hillsville VA 24343

Site Address TBD Bent Mountain Road  
Bent Mountain, VA

Directions to Property: Near 10431 Bent Mountain Rd

Subdivision Stoneridge At Bent Mountain Section II Block \_\_\_\_\_ Lot 36

Tax Map 111.0-01-36.00 Other Property Identification \_\_\_\_\_ Dimension/Acreage of Property 1.315 acres

Phone \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Fax \_\_\_\_\_  
 Phone 276-728-3222  
 Phone \_\_\_\_\_  
 Fax \_\_\_\_\_  
 Email \_\_\_\_\_

### Sewage System

**Type of Approval:** Applicants for new construction are advised to apply for a certification letter to determine if land is suitable for a sewage system and to apply for a construction permit (valid for 18 months) **only when ready to build.**

Certification Letter  Construction Permit  Voluntary Upgrade  Repair Permit  Minor Modification

#### Proposed Use:

Single Family Home (Number of Bedrooms 3) Multi-Family Dwelling (Total Number of Bedrooms \_\_\_\_\_)

Other (describe)

Basement Yes  No  Walk-out Basement Yes  No  Fixtures in Basement Yes  No

Conditional permit Yes  No  If yes, which conditions do you want?

Reduced water flow  Limited Occupancy  Intermittent or seasonal use  Temporary use not to exceed 1 year

Do you wish to apply for a betterment loan eligibility letter? Yes  No  \*There is a \$50 fee for determination of eligibility.

### Water Supply

Will the water supply be  Public or  Private? Is the water supply  Existing or  Proposed?

If proposed, is this a replacement well?  Yes  No If yes, will the old well be abandoned?  Yes  No Will any buildings within 50' of the proposed well be termite treated? Yes  No

Well Type (e.g. domestic use, agricultural, irrigation, etc.) Domestic Use

### All Applicants

Is this property indeed to serve as your (owners) principal place of residence?  Yes  No

All applications must be accompanied by private sector evaluations and designs, unless a petition for VDH services is approved. Is a Petition for Service form attached?  Yes  No

In order for VDH to process your application for a sewage system you must attached a plat of the property and a site sketch. For water supplies, a plat of the property is recommended and a site sketch is required. The site sketch should show your property lines, actual and/or proposed buildings and the desired location of your well and/or sewage system. When the site evaluation is conducted the property lines, building location and the proposed well and sewage sites must be clearly marked and the property sufficiently visible to see the topography. I give permission to the Virginia Department of Health to enter onto the property described during normal business hours for the purpose of processing this application and to perform quality assurance checks of evaluations and designs certified by a private sector Onsite Soil Evaluator or Professional Engineer as necessary until the sewage disposal system and/or private water supply has been constructed and approved.

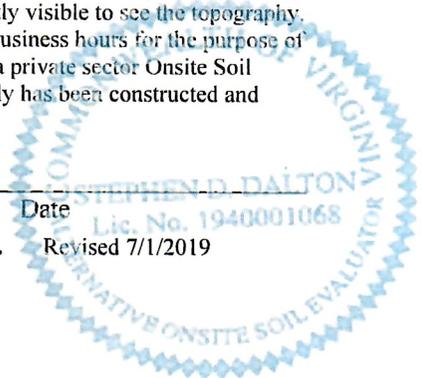
Signature of Owner/ Agent

5/29/25

Date

This form contains personal information subject to disclosure under the Freedom of Information Act.

Revised 7/1/2019



# Site and Soil Evaluation Report

VDH Use Only  
HDIN: \_\_\_\_\_

## General Information

Date: 5/29/25  
 Owner: Stoneridge At Bent Mountain , LLC C/O John Atkinson Jr      Roanoke      County Health Department  
 Phone: \_\_\_\_\_  
 Owner Address: 1228 Pembroke Jones Dr      Wilmington      NC      28405  
 Property Address: TBD Bent Mountain Road      Bent Mountain, VA  
 Tax Map/GPIN #: 111.0-01-36.00  
 Subdivision: Stoneridge At Bent Mountain      Section: II      Block:      Lot: 36

## Soil Information Summary

1. Position in landscape satisfactory:  Yes  No      Describe landscape position: sideslope
2. Slope: 22 %
3. Depth to rock/impervious strata: Max. 64 in. Min. 50 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: 45 min/in at 26 inches depth  
 Texture Group:  I       II       III       IV
7. Percolation test performed:  Yes  No      If yes, provide additional data on percolation test results.

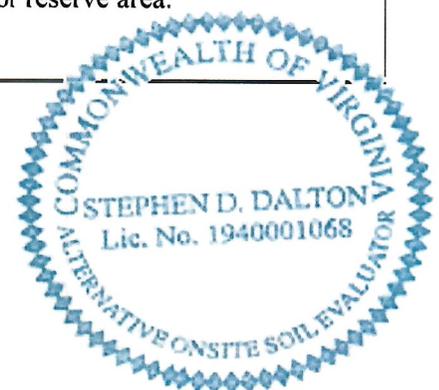
Name and title of evaluator: Stephen Dalton OSE

Signature: 

Site approved: Absorption Trenches (describe dispersal area, e.g. absorption trenches) dispersing Septic Effluent (proposed level of treatment at time of evaluation) to be placed at 26 (inches) depth at site designated on permit. Site provides a total of 2350 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) \_\_\_\_\_





# System Specifications

<b>VDH Use Only</b>
HDIN: _____

<b>Application Information</b>	
Name: <u>Stoneridge At Bent Mountain , LLC C/O John Atkinson Jr</u>	Address: <u>1228 Pembroke Jones Dr</u>
Phone: _____	<u>Wilmington</u> <u>NC</u> <u>28405</u>
<b>Location Information</b>	
Tax Map/GPIN #: <u>111.0-01-36.00</u>	Property Address: <u>TBD Bent Mountain Road</u> <u>Bent Mountain, VA</u>
Subdivision: <u>Stoneridge At Bent Mountain</u>	Section: <u>II</u> Block: _____      Lot: <u>36</u>
Directions: _____	
<b>General Information</b>	
Property Type (e.g. residential): <u>Residential</u>	Number of Bedrooms: <u>3</u>
Daily Flow: <u>450</u> gpd	Conditions: _____
Notes: _____	
<b>Sewer Line</b>	
Diameter: <u>4</u> in.      Material: <u>SCH 40 PVC</u>	(or equivalent) Notes: <u>cleanouts every 50'</u>
<b>Pretreatment Unit(s)</b>	
Treatment Level: _____	Septic Tank Capacity: <u>1,000</u> gallons
Number of Septic Tanks <u>1</u>	Size of Septic Tank(s) <u>1,000</u> gallons
Per the Sewage Handling and Disposal Regulations, check which option(s) chosen:	
<input checked="" type="checkbox"/> Septic tank with inspection port <input type="checkbox"/> Septic tank with effluent filter <input type="checkbox"/> Reduced maintenance septic tank	
Secondary treatment device(s), if applicable: _____	
Notes: _____	
<b>Conveyance Line</b>	<b>Distribution Method and Header Lines</b>
Conveyance Method: <u>Gravity</u>	Distribution Method: <u>4" SCH 40 PVC</u>
If pumping, include pump specifications sheet.	No. of boxes: <u>1</u> No. of outlets: <u>8+</u>
Material: <u>SCH 40 PVC</u> Diameter: _____	Surge or splitter box required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Notes: <u>6" fall per 100'</u>	Header Line Material: <u>SCH 40 PVC</u>
<b>Percolation Lines/Absorption Area</b>	
Dispersal Method (e.g. laterals, pad, mound): <u>laterals</u>	
If using pressure dispersal (e.g. drip), include pressure dispersal specifications sheet.	
No. of laterals/pads: <u>5</u> Length of lateral(s)/pad(s): <u>90</u> ft.      Width of lateral(s)/pad(s): <u>36</u> in.	
Center to center spacing: <u>10</u> ft.      Installation depth: <u>26</u> in.      Aggregate depth: <u>13</u> in.	
Size/Type of Aggregate: <u>1/2"-1-1/2" free of fines</u> Lateral/pad slope: <u>2"-4"</u> in. per <u>100</u> ft.	
Reserve Area Provided: <u>50</u> %      Notes: <u>TL-2 Drip, 45 MPI, 4" deep, 50'x20'</u>	
Please Note: <u>12" of suitable cover required over trenches</u>	



N/F STEPHEN T. WACHNOWSKY, TR  
INST 202005608  
TAX No. 111.00-04-19

Now or Formerly  
JOHN B. MEREDITH, III  
INST 201603433  
TAX No. 111.00-01-37

Now or Formerly  
JOHN B. MEREDITH, III  
DB 201315315  
TAX No. 111.00-01-45

Now or Formerly  
DAWN K. PURLER  
INST 202006312  
TAX No. 111.00-04-20

Now or Formerly  
EDWARD W. & PAMELA G.  
CORNER  
INST 202404276  
TAX No. 111.00-01-567

Now or Formerly  
JAMES T. RIDDLE  
No. 2168  
5-S-2-S  
LAND SURVEYOR  
COMMONWEALTH OF VIRGINIA

CORNERSTONE LAND SURVEYING, INC.  
260 SOUTH MAIN STREET  
P. O. BOX 779  
ROCKY MOUNT, VIRGINIA 24151  
540-489-3590

FIELD BK 824, JOB No. 25076, DRAWING No. C-5215

SCALE 1" = 100'

SHEET 3 OF 3

PLAT BK 26, PG 152

RECORD MERIDIAN

PLAT BK 26, PG 152

GRAPHIC SCALE - FEET

0 100 200 300

LEGEND

IRF = IRON ROD FOUND

IPF = IRON PIPE FOUND

IRS = IRON ROD SET

P-U = PUBLIC UTILITY EASEMENT

DE = DRAINAGE EASEMENT

25' ACCESS EASEMENT TO LAWRENCE FAMILY TO CEMETERY PLAT BK 26, PG 152

PROPOSED DRAINAGE CANALS ASSUMED DRAIN

CURVE TABLE

CURVE	RADIUS	TANGENT	LENGTH	DELTA	CHORD	CH BEARING
C2	276.00'	27.40'	54.82'	11°22'48"	54.53'	N 51°49'45"E
C3	225.00'	55.00'	107.89'	27°23'28"	106.89'	N 59°51'35"E
C4	170.00'	102.19'	184.98'	60°33'48"	176.49'	N 43°15'59"E

EXTERIOR BOUNDARY COORDINATE LIST

CORNER	NORTHING	EASTING
1	2841.1705	3408.2778
2	2860.0591	3168.4889
3	2424.8151	2848.1408
4	2350.0979	2748.3931
5	2454.7180	2537.7207
6	2558.7444	2489.8713
7	2678.7315	2350.8748
8	2825.2682	2151.9854
9	2881.6895	2089.8225
10	3063.5925	1933.0359
11	3075.1222	1757.5922
12	3473.4388	1807.9270
13	4007.2033	1781.8465
14	4014.0269	1524.1880
15	4141.9355	1648.5274
16	4175.6481	1682.3820
17	4195.3465	1712.8878
18	4248.0024	1805.2786
19	4270.7412	1879.1284
20	4386.1894	2000.2019
21	4355.2850	2014.4473
22	4303.3053	2243.5538
23	4281.5281	2349.6038
24	4095.8887	2256.4510
25	3457.8884	2830.2890
26	3407.5804	2914.4786
27	3284.9784	3203.0024
28	3241.8989	3262.7021
29	3038.7512	3258.6580

TRACT A  
25.906 AC.

LOT 35  
1.001 AC.

LOT 36  
1.315 AC.

LAWRENCE FAMILY CEMETERY  
TAX No. 111.00-04-36

COBLE TRAIL  
VA RTE 1432  
VA RTE 50 R/M

CRICK

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# Well Specifications

<b>VDH Use Only</b>
HDIN: _____

<b>Applicant Information</b>	
Name: <u>Stoneridge At Bent Mountain , LLC C/O John Atkinson Jr</u>	Address: <u>1228 Pembroke Jones Dr</u>
Phone: _____	<u>Wilmington</u> <u>NC</u> <u>28405</u>
<b>Location Information</b>	
Tax Map/GPIN #: <u>111.0-01-36.00</u>	Property Address: <u>TBD Bent Mountain Road</u> <small>Bent Mountain</small>
Subdivision: <u>Stonerige At Bent Mountain</u>	Section: <u>II</u> Block: _____                      Lot: <u>36</u>
Directions: _____	
<b>General Information</b>	
Well Purpose (select all that apply): <input checked="" type="checkbox"/> Domestic Drinking Water <input type="checkbox"/> Agricultural	
<input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial/Commercial <input type="checkbox"/> Geothermal	
Well Class: <u>III-B</u>	Minimum Casing Depth: <u>50</u> ft.
Estimated Water Usage: <u>450 GPD</u>	Minimum Grout Depth: <u>50</u> ft.
<b>Horizontal Setbacks</b>	
Distance from Building Sewer: <u>50</u> ft.	Distance from Pretreatment Unit(s): _____ ft.
Distance from Conveyance System: <u>50</u> ft.	Distance from Absorption Area: <u>&gt;50</u> ft.
Distance from Property Line: <u>&gt;50</u> ft.	Distance from foundations: <u>&gt;15</u> ft.
Distance from other source(s) of contamination: _____ ft.	
List other source(s): _____	
Note: _____	
_____	
_____	

