

**Location of property:**

Lot **LOT 3 SITE 6-M** Section \_\_, Subdivision **YOUNGSTOWN WOODS**,  
**Goochland County**  
 Tax Map **27-1-0-15**  
 Latitude/Longitude \_\_\_\_\_

Prepared by AOSE/PE:

**KENNETH MCCLENNY; AOSE#1275**

AOSE/PE Job Number: \_\_\_\_\_ (optional)

Health Department I.D. No.: \_\_\_\_\_

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I hereby certify that the evaluations and/or designs contained herein were conducted in accordance with the Sewage Handling and Disposal Regulations (12 VAC5-610), the Private Well Regulations (12 VAC5-615), and other applicable policies of the Virginia Department of Health. Furthermore, I certify that my evaluation and/or design contained herein complies with all applicable laws, regulations, and policies implemented by the Virginia Department of Health.

I recommend a ***Subdivision Approval*** be ***approved***.





## Installation & Reserve Area Soil Summary Report

### GENERAL INFORMATION

Date March 21, 2018 Submitted to Goochland County Health Department  
Applicant NEW VENTURES REAL ESTATE Telephone (804-814-1955)  
Address 1664 ANDERSON HWY SUITE F , POWHATAN, VA 23139  
Owner Same as above Address Same as above  
Location located on route 680 YOUNGSTOWN ROAD .5 miles from the intersection of HWY 6 Property on BOTH SIDES OF THE ROAD  
Tax Map 27-1-0-15 Subdivision YOUNGSTOWN WOODS  
Block     Section     Lot LOT 3 SITE 6-M Install. System type: Conventional Trench (Upper portion)

### SOIL INFORMATION SUMMARY

1. Position in landscape satisfactory Yes ☒ No ☐  
Describe Piedmont Sideslope
  2. Slope 7%
  3. Depth to rock or impervious strata: Max.     Min.     None ☒
  4. Depth to seasonal or perched water table indicators No ☒ Yes ☐     inches
  5. Free water present No ☒ Yes ☐     range in inches
  6. Soil percolation rate estimated Yes ☒ No ☐ Texture group IIB  
\*Estimated Rate 40
  7. Permeability test performed Yes ☐ No ☒
- If yes, note type of test performed and attach:

*\*All applicable regulations and the specific soil and site conditions (including the trench sidewalls) were taken into consideration when the estimated percolation rate was assigned.*

- ☒ Site Approved: Primary drainfield to be placed at 54 inch depth at site designated in this package.  
If required, reserve to be placed at 54 inch depth at site designated in this package.

☐ Site Disapproved

Reason(s) for rejection:

1. ☐ Position in landscape subject to flooding or periodic saturation.
2. ☐ Insufficient depth of suitable soil over hard rock.
3. ☐ Insufficient area of acceptable soil for required drainfield, and/or reserve area.
4. ☐ Rates of absorption too slow.
5. ☐ Insufficient are of acceptable soil for required drainfield, and/or reserve area.
6. ☐ Proposed system too close to well.
7. ☐ Other Specify:

(attach additional pages if necessary)



## SOIL PROFILE DESCRIPTION REPORT

Date of Evaluation: November 15, 2017

NEW VENTURES REAL ESTATE , YOUNGSTOWN WOODS , LOT 3 SITE 6-M

Where the local health department conducts the soil evaluation, the location of the 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 soil scientist, location of profile holes and sketch of the area investigated including all structural features, i.e., sewage disposal systems, wells, etc., within 100 feet of site (See Section 4) 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 page      ☐ See construction permit      ☒ See sketch attached to this form

Hole	Horizon	Depth (inches)	Description of color, texture, etc.	Texture Group
1	A	0-3	10YR 4/3 LOAM	II
	Bt	3-12	5YR 4/6 CLAY LOAM	III
	BC	12-30	5YR 8/6 SANDY CLAY LOAM	III
	C	30-72	7.5YR 8/6 SANDY LOAM FRIABLE	II
2	A	0-6	10YR 4/3 LOAM	II
	Bt	6-22	5YR 4/6 HEAVY CLAY LOAM	III
	BC	22-38	5YR 4/6 & 8/6 SANDY CLAY LOAM	III
	C	38-72	5YR 7/6, 8/3 & 8/2 PARENT COLOR SANDY LOAM FRIABLE	II
3	A	0-6	10YR 4/3 LOAM	II
	Bt	6-22	5YR 4/6 HEAVY CLAY LOAM	III
	BC	22-40	5YR 4/6 & 6/6 CLAY LOAM TO SANDY CLAY LOAM	III
	C	40-72	5YR 8/6 & 7.5YR 8/6 SANDY LOAM FRIABLE	II
4	A	0-6	10YR 4/3 LOAM	II
	Bt	6-18	7.5YR 4/6 HEAVY CLAY LOAM	III
	BC	18-32	7.5YR 4/6 & 8/6 CLAY LOAM TO SANDY CLAY LOAM	III
	C1	32-60	7.5YR 8/6 SANDY LOAM FRIABLE	II
	C2	60-72	5YR 8/2 PARENT COLOR SANDY LOAM MOD. FRIABLE	II



Installation Area Abbreviated Design Form <span style="float: right; font-family: cursive;">Lot 3</span>			
A. System type (Conv., Drip, Drip Mound, Puraflo pad, Puraflo Trench, Advantex, etc.)		<i>Conventional Trench</i>	
B. Estimated or measured Percolation Rate		<b>40.0 mpi</b>	
C. Slope		<b>7.0 percent</b>	
D. Depth of Evaluation		<b>72 inches</b>	
E. Proposed Installation Depth		<b>54 inches</b>	
F. Installing below restriction? <u>No</u>			
G. Minimum Installation Depth (factors in slope, system type, etc.)		<b>18 inches</b>	
H. Type of limiting feature <span style="float: right;"><u>None (Depth of Evaluation)</u></span>			
I. Depth of limiting feature		<b>72 inches</b>	
J. Minimum required stand-off to limiting feature		<b>18 inches</b>	
K. Stand-off distance provided in design		<b>18 inches</b>	
L. Design based on number of bedrooms		<b>3 bedrooms</b>	
M. Square Footage required per bedroom (per gallon if design based on gpd)		<b>314.00 sq.ft.</b>	
N. Available Area Across Slope		<b>50 feet</b>	
O. Proposed Width of System (Line length, Pad width, Active Mound width, etc.)		<b>50 feet</b>	
P. Width of Trench		<b>3 feet</b>	
Q. Center spacing increase due to slope		<b>0 feet</b>	
R. Center-to-center spacing (includes correction for slope)		<b>9 feet</b>	
S. Number of Lines		<b>7</b>	
T. Available area Down Slope (includes area for reserve if combined in this site)		<b>98 feet</b>	
U. Down slope distance required for installation		<b>57 feet</b>	
V. Total Square Footage required for installation		<b>942.00 sq.ft.</b>	
W. Total Square Footage in Design		<b>1050 sq.ft.</b>	
<div style="display: flex; justify-content: space-between;"> <div>Does this site require a reserve area?</div> <div><u>Yes</u></div> <div>Amount Required</div> <div><b>100 percent</b></div> </div> <div style="display: flex; justify-content: space-between;"> <div>Does this site have a reserve area included within it?</div> <div><u>Yes</u></div> <div></div> <div></div> </div> <div style="display: flex; justify-content: space-between;"> <div>Available area across slope for Reserve</div> <div></div> <div></div> <div><b>50 feet</b></div> </div> <div style="display: flex; justify-content: space-between;"> <div>Available area down slope for Reserve</div> <div></div> <div></div> <div><b>35 feet</b></div> </div> <div style="display: flex; justify-content: space-between;"> <div>Total square footage available for Reserve</div> <div></div> <div></div> <div><b>1750 sq.ft.</b></div> </div>			
<b>Notes:</b> <i>To the best of our knowledge and belief, this site complies with all local ordinances such as the CBPA.</i>			



Reserve Area Abbreviated Design Form		Lot 3
A. System type (Conv., Drip, Drip Mound, Puraflor pad, Puraflor Trench, Advantex, etc.)	<i>Advantex 3' trench</i>	
B. Estimated or measured Percolation Rate	<i>40.0 mpi</i>	
C. Slope	<i>7.0 percent</i>	
D. Depth of Evaluation	<i>72 inches</i>	
E. Proposed Installation Depth	<i>54 inches</i>	
F. Installing below restriction? <u>No</u>		
G. Minimum Installation Depth (factors in slope, system type, etc.)	<i>18 inches</i>	
H. Type of limiting feature <u>None (Depth of Evaluation)</u>		
I. Depth of limiting feature	<i>72 inches</i>	
J. Minimum required stand-off to limiting feature	<i>12 inches</i>	
K. Stand-off distance provided in design	<i>18 inches</i>	
L. Design based on number of bedrooms	<i>3 bedrooms</i>	
M. Loading Rate	<i>1.11 gpd/sq.ft.</i>	
N. Available Area Across Slope	<i>50 feet</i>	
O. Proposed Width of Reserve (Line length, Pad width, Active Mound width, etc.)	<i>50 feet</i>	
P. Width of Trench	<i>3 feet</i>	
Q. Center spacing increase due to slope	<i>0 feet</i>	
R. Center-to-center spacing (includes correction for slope)	<i>9 feet</i>	
S. Number of Lines proposed for reserve	<i>4</i>	
T. Available area Down Slope (does not include installation area)	<i>35 feet</i>	
U. Down slope distance required for reserve	<i>30 feet</i>	
V. Total Square Footage required for reserve	<i>405.41 sq.ft.</i>	
W. Total Square Footage in Design	<i>600 sq.ft.</i>	
<div style="display: flex; justify-content: space-between;"> <div>Does this lot require a reserve area?</div> <div><u>Yes</u></div> <div>Amount Required</div> <div><i>100 percent</i></div> </div> <div style="display: flex; justify-content: space-between;"> <div>Does this site contain both installation and reserve?</div> <div><u>Yes</u></div> <div></div> <div></div> </div> <div style="display: flex; justify-content: space-between;"> <div>Available area across slope for Reserve</div> <div></div> <div></div> <div><i>50 feet</i></div> </div> <div style="display: flex; justify-content: space-between;"> <div>Available area down slope for Reserve</div> <div></div> <div></div> <div><i>35 feet</i></div> </div> <div style="display: flex; justify-content: space-between;"> <div>Total area in square footage available for Reserve</div> <div></div> <div></div> <div><i>1750 sq.ft.</i></div> </div> <div style="display: flex; justify-content: space-between;"> <div>Percent of Reserve Available</div> <div></div> <div></div> <div><i>148 percent</i></div> </div>		
<p><b>Notes:</b></p> <p><i>To the best of our knowledge and belief, this site complies with all local ordinances such as the CBPA.</i></p>		



Fig. 6056

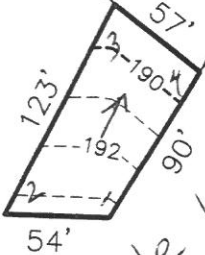
1" = 100'

Found Iron  
w/rock

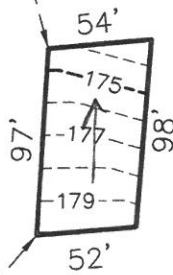
Set  
Iron

S68°00'21"W 344'

S18°52'38"W 443'



3



N74°38'13"E  
263'

3Cwell  
Site

**Youngstown Wood**  
Byrd District, Goochland County, VA  
February 19, 2018  
Scale: 1in. = 100ft.  
100' 50' 0' 50' 100' 200'

**Maxey & Associ**  
Land Surveyors • Engineers • Pl  
P.O. Box 90 • Farmville • Virginia

MENTIST