AOSE/PE Report for Subdivision Approval

Location of property:	Goochland County Tax Map 27-1-0-15	Section, Subdivision	
Applicant - Olivet - I			
Applicant or Client and address:		Prepared by AOSE/PE:	
NEW VENTURES REAL ESTATE 1664 ANDERSON HWY SUITE F POWHATAN, VA 23139		KENNETH MCCLENNY; AOSE#1275	
Date of Report: <u>3/21/2018</u>		AOSE/PE Job Number: (optional)	
Revision Date(s):		Health Department I.D. No.:	
Contents/Index of this report:			
Page Contents of re Installation Area Soil Summary I Soil Profile Description Report Installation Area Abbreviated Design Reserve Area Abbreviated Design Soil Profile Description Report Survey Documentation	Report Sign	Page Contents of report	
Certification Statement(s)		Constituent	
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. X 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 a Subdivision Approval be approved.		Kenneth McClenny #0001275	

Installation & Reserve Area Soil Summary Report				
GENERAL INFORMATION				
Date <u>March 21, 2018</u> Submitted to <u>Goochland County</u> Health Department				
Applicant NEW VENTURES REAL ESTATE Telephone (804-814-1955)				
Address 1664 ANDERSON HWY SUITE F , POWHATAN, VA 23139				
Owner <u>Same as above</u> Address <u>Same as above</u>				
Location <u>located on route 680 YOUNGSTOWN ROAD .5 miles from the intersection of HWY 6 Property on BOTH SIDES OF THE ROAD</u>				
Tax Map <u>27-1-0-15</u> Subdivision <u>YOUNGSTOWN WOODS</u>				
Block Section Lot LOT 5 SITE 4-M Install. System type: Conventional Trench (Upper portion)				
SOIL INFORMATION SUMMARY				
1. Position in landscape satisfactory Yes ☒ No ☐				
Describe Piedmont Sideslope				
2. Slope 6%				
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 Texture group IIB				
No \(\) *Estimated Rate \(\frac{45}{and site conditions (including the trench sidewalls) were taken into consideration when the estimated percolation rate was assigned. 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 <u>54</u> inch depth at site designated in this package.				
If required, reserve to be placed at <u>54</u> inch depth at site designated in this package.				
☐ Site Disapproved				
Reason(s) for rejection: 1. Position in landscape subject to flooding or periodic saturation.				
 Position in landscape subject to flooding or periodic saturation. 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)				
, pages in necessary)				

The information presented in this submittal package represents the best available information as of the evaluation date noted on the soil profile description report contained in this package. Due to the potential for subsequent events to negatively impact the recommendations made in this package, it is our firm's very strong recommendation to submit this documentation to the local health department for approval as soon as it is received by the client. Failure to do so may render the information contained in this package void. M&M Soil Consultants, Inc., as well as the certifying individual, accept no liability for subsequent events that occur after the information. Documents: DADS FILES YOUNGS TOWN WOODSLOT4.doc, revised 12/10/07

SOIL PROFILE DESCRIPTION REPORT

Date of Evaluation: November 15, 2017

NEW VENTURES REAL ESTATE , YOUNGSTOWN WOODS , LOT 5 SITE 4-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.

U Se	ee appl	lication ske	etch page	See sketch attached to this form
Hole	Horizo	Depth (inches)	Description of color, tex	cture, etc. Texto
1		6-22 22-36	10YR 4/3 LOAM 5YR 4/6 CLAY LOAM 5YR 4/6 & 8/6 SANDY CLAY LOAM 5YR 7/6, 8/6 & 10YR 8/6 SANDY LOAM FRIABLE	III III III
2	Bt BC	6-22 22-40	10YR 4/3 LOAM 5YR 4/6 & 2.5YR 4/6 HEAVY CLAY LOAM 2.5YR 6/6 & 5YR 8/6 CLAY LOAM TO SANDY CLAY 5YR 8/6, 8/3 & 7/6 FINE SANDY LOAM FRIABLE	II
3	Bt BC	6-22 22-38	10YR 4/3 LOAM 5YR 4/6 CLAY LOAM 5YR 4/6 & 8/6 SANDY CLAY LOAM 7.5YR 8/6, 5YR 8/3 & 7/6 FINE SANDY LOAM FRIAE	II III III BLE
	Bt BC	6-20 5 20-30 5	10YR 4/3 LOAM 5YR 4/6 CLAY LOAM 5YR 4/6 & 8/6 CLAY LOAM TO SANDY CLAY LOAM 5YR 7/6, 8/6 & 8/3 SANDY LOAM FRIABLE	11

M&M Soil Consultants, Inc. 4512 Forest Chapel Road Pamplin, Virginia 23958 (434)610-2696

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Installation Area Abbreviated Design Form	LOFS
A. System type (Conv., Drip, Drip Mound, Puraflo pad, Puraflo Trench, Advantex, etc.)	nventional Trench
B. Estimated or measured Percolation Rate	45.0 mpi
C. Slope	&0 percent
D. Depth of Evaluation	72 inches
E. Proposed Installation Depth	54 inches
F. Installing below restriction? <u>No</u>	
G. Minimum Installation Depth (factors in slope, system type, etc.)	18 inches
H. Type of limiting feature None (Depth of Evaluation)	
I. Depth of limiting feature	72 inches
J. Minimum required stand-off to limiting feature	18 inches
K. Stand-off distance provided in design	18 inches
L.Design based on number of bedrooms	3 bedrooms
AA Course Foots and the last of the last o	
M. Square Footage required per bedroom (per gallon if design based on gpd)	344.00 sq. ft.
N. Available Area Across Slope	70 feet
O. Proposed Width of System (Line length, Pad width, Active Mound width, etc.)	70 feet
P. Width of Trench	3 feet
Q. Center spacing increase due to slope	0 feet
R. Center-to-center spacing (includes correction for slope)	9 feet
S. Number of Lines	5
T. Available area Down Slope (includes area for reserve if combined in this site)	
U. Down slope distance required for installation	39 feet
V. Total Square Footage required for installation	1,032.00 sq.ft.
W. Total Square Footage in Design	1050 sq.ft.
	37,7
Does this site require a reserve area? Yes Amount Require Does this site have a reserve area included within it? Yes	d 100 percent
Available area across slope for Reserve	70 feet
Available area down slope for Reserve	21 feet
Total square footage available for Reserve	1470 sq.ft.
	11

Notes:

To the best of our knowledge and belief, this site complies with all local ordinances such as the CBPA.

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December Area Alebanista de Decisione	
Reserve Area Abbreviated Design F	form Lot 5
A. System type (Conv., Drip, Drip Mound, Puraflo pad, Puraflo Trench, Advantex, etc.)	Advantex 3' trench
B. Estimated or measured Percolation Rate	45.0 mpi
C. Slope	6.0 percer
D. Depth of Evaluation	72 inches
E. Proposed Installation Depth	54 inches
F. Installing below restriction? <u>No</u>	
G. Minimum Installation Depth (factors in slope, system type, etc.)	18 inches
H. Type of limiting feature None (Depth of Evalu	ation)
I. Depth of limiting feature	72 inches
J. Minimum required stand-off to limiting feature	12 inches
K. Stand-off distance provided in design	18 inches
I Design beauty and the second	
L. Design based on number of bedrooms	3 bedroom
M. Loading Rate	0.99 gpd/sq.j
	spursq.j
N. Available Area Across Slope	70 feet
O. Proposed Width of Reserve (Line length, Pad width, Active Mound wid	dth, etc. 70 feet
P. Width of Trench	3 feet
Q. Center spacing increase due to slope	0 feet
R. Center-to-center spacing (includes correction for slope)	9 feet
S. Number of Lines proposed for reserve	3
T. Available area Down Slope (does not include installation area)	21 feet
U. Down slope distance required for reserve	21 feet
V. Total Square Footage required for reserve	454.55 sq.ft.
W. Total Square Footage in Design	1

Notes:

Percent of Reserve Available

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To the best of our knowledge and belief, this site complies with all local ordinances such as the CBPA.

139 percent

Ć 54' 75.656 112 2 2 (2) 3.680 0 0 000 136 W 236 × (%) 514 5-M Site4-M MARE Setting 200