

Location of property:

Lot LOT 5 SITE 4-M Section __, Subdivision YOUNGSTOWN WOODS,
Goochland County
 Tax Map 27-1-0-15
 Latitude/Longitude _____

KENNETH MCCLENNY; AOSE#1275

Health Department I.D. No.: _____

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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 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 45

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 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.

☐ See application sketch page

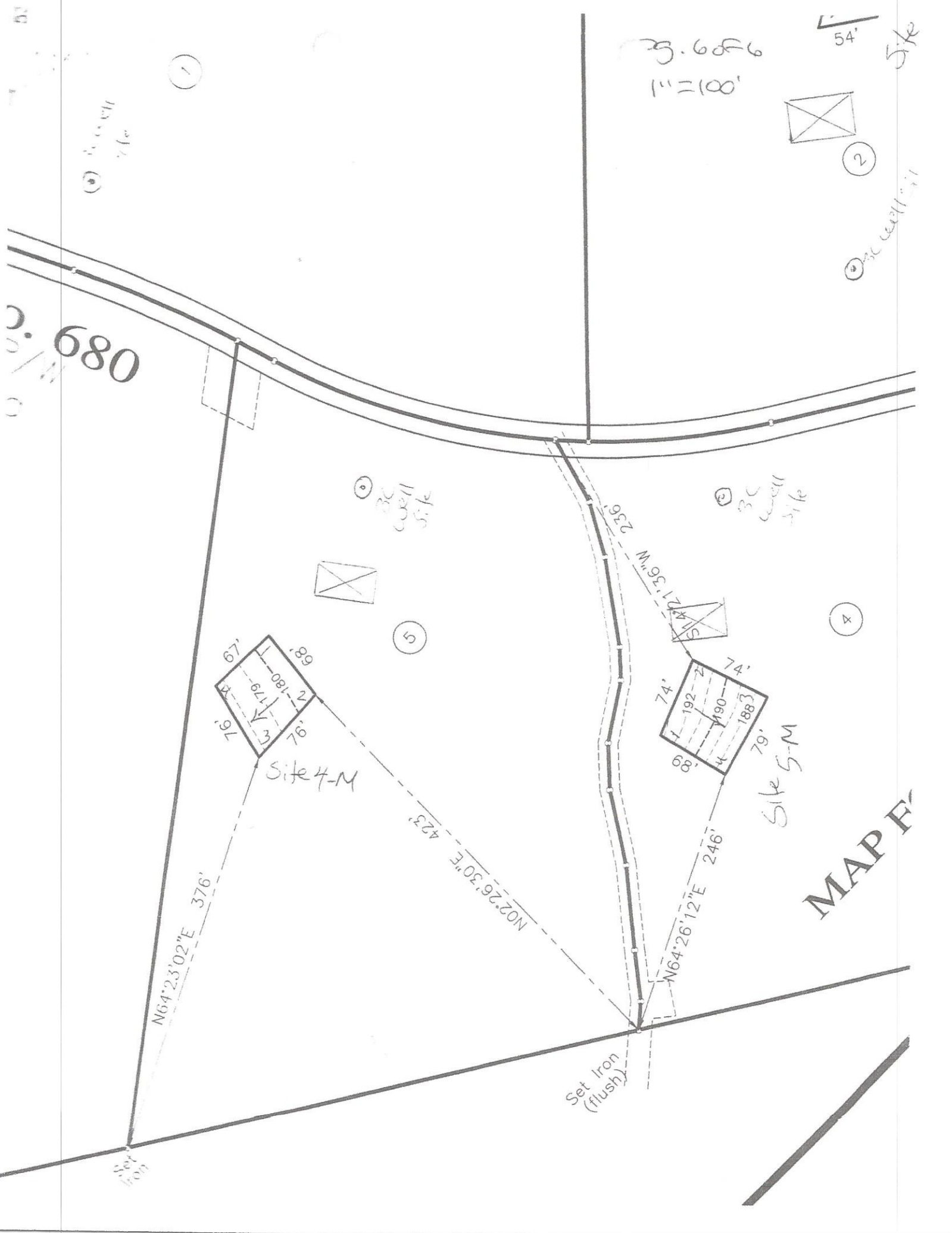
☐ See construction permit

☒ See sketch attached to this form

Hole	Horizon	Depth (inches)	Description of color, texture, etc.	Texture Group
1	A	0-6	10YR 4/3 LOAM	II
	Bt	6-22	5YR 4/6 CLAY LOAM	III
	BC	22-36	5YR 4/6 & 8/6 SANDY CLAY LOAM	III
	C	36-72	5YR 7/6, 8/6 & 10YR 8/6 SANDY LOAM FRIABLE	II
2	A	0-6	10YR 4/3 LOAM	II
	Bt	6-22	5YR 4/6 & 2.5YR 4/6 HEAVY CLAY LOAM	III
	BC	22-40	2.5YR 6/6 & 5YR 8/6 CLAY LOAM TO SANDY CLAY LOAM	III
	C	40-72	5YR 8/6, 8/3 & 7/6 FINE SANDY LOAM FRIABLE	II
3	A	0-6	10YR 4/3 LOAM	II
	Bt	6-22	5YR 4/6 CLAY LOAM	III
	BC	22-38	5YR 4/6 & 8/6 SANDY CLAY LOAM	III
	C	38-72	7.5YR 8/6, 5YR 8/3 & 7/6 FINE SANDY LOAM FRIABLE	II
4	A	0-6	10YR 4/3 LOAM	II
	Bt	6-20	5YR 4/6 CLAY LOAM	III
	BC	20-30	5YR 4/6 & 8/6 CLAY LOAM TO SANDY CLAY LOAM	III
	C	30-72	5YR 7/6, 8/6 & 8/3 SANDY LOAM FRIABLE	II

Installation Area Abbreviated Design Form LOTS			
A. System type (Conv., Drip, Drip Mound, Puraflo pad, Puraflo Trench, Advantex, etc.)		<i>Conventional Trench</i>	
B. Estimated or measured Percolation Rate		<i>45.0 mpi</i>	
C. Slope		<i>6.0 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>18 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. Square Footage required per bedroom (per gallon if design based on gpd)		<i>344.00 sq.ft.</i>	
N. Available Area Across Slope		<i>70 feet</i>	
O. Proposed Width of System (Line length, Pad width, Active Mound width, etc.)		<i>70 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		<i>5</i>	
T. Available area Down Slope (includes area for reserve if combined in this site)		<i>66 feet</i>	
U. Down slope distance required for installation		<i>39 feet</i>	
V. Total Square Footage required for installation		<i>1,032.00 sq.ft.</i>	
W. Total Square Footage in Design		<i>1050 sq.ft.</i>	
<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><i>100 percent</i></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><i>70 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>21 feet</i></div> </div> <div style="display: flex; justify-content: space-between;"> <div>Total square footage available for Reserve</div> <div></div> <div></div> <div><i>1470 sq.ft.</i></div> </div>			
<p>Notes:</p> <p><i>To the best of our knowledge and belief, this site complies with all local ordinances such as the CBPA.</i></p>			

Reserve Area Abbreviated Design Form Lox5			
A. System type (Conv., Drip, Drip Mound, Puraflo pad, Puraflo Trench, Advantex, etc.)		<i>Advantex 3' trench</i>	
B. Estimated or measured Percolation Rate		<i>45.0 mpi</i>	
C. Slope		<i>6.0 percent</i>	
D. Depth of Evaluation		<i>72 inches</i>	
E. Proposed Installation Depth		<i>54 inches</i>	
F. Installing below restriction? <i>No</i>			
G. Minimum Installation Depth (factors in slope, system type, etc.)		<i>18 inches</i>	
H. Type of limiting feature <i>None (Depth of Evaluation)</i>			
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>0.99 gpd/sq.ft.</i>	
N. Available Area Across Slope		<i>70 feet</i>	
O. Proposed Width of Reserve (Line length, Pad width, Active Mound width, etc.)		<i>70 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>3</i>	
T. Available area Down Slope (does not include installation area)		<i>21 feet</i>	
U. Down slope distance required for reserve		<i>21 feet</i>	
V. Total Square Footage required for reserve		<i>454.55 sq.ft.</i>	
W. Total Square Footage in Design		<i>630 sq.ft.</i>	
<div style="display: flex; justify-content: space-between;"> <div> <p>Does this lot require a reserve area? <u>Yes</u></p> <p>Does this site contain both installation and reserve? <u>Yes</u></p> <p>Available area across slope for Reserve</p> <p>Available area down slope for Reserve</p> <p>Total area in square footage available for Reserve</p> <p>Percent of Reserve Available</p> </div> <div style="text-align: right;"> <p><i>100 percent</i></p> <p><i>70 feet</i></p> <p><i>21 feet</i></p> <p><i>1470 sq.ft.</i></p> <p><i>139 percent</i></p> </div> </div>			
<p>Notes:</p> <p><i>To the best of our knowledge and belief, this site complies with all local ordinances such as the CBPA.</i></p>			

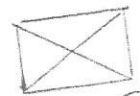


0890
M/W

3.606
1"=100'

54'

Site



2

Well

Well

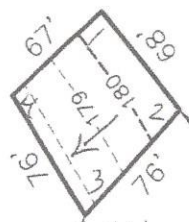


5

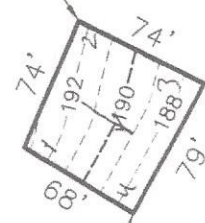
Well



4



Site 4-M



Site 5-M

N64°23'02"E 376'

N02°26'30"E 423'

N64°26'12"E 246'

Set Iron
(flush)

MAP F