

AOSE/PE Report for Subdivision Approval

Location of property:	Lot <u>PARCEL 4 14.27 ACRES</u> Section <u> </u> , Subdivision <u>CLAYTON ROAD NEW</u>
	<u>VENTURES, Powhatan County</u> Tax Map # <u>PART OF 46-67</u> Latitude/Longitude <u> </u>

Applicant or Client and address:	Prepared by AOSE/PE:
<u>CABEL METTS</u> <u>30 HIGH POCKETTS ROAD</u> <u>CATERSVILLE, Va. 23027</u>	<i>Kenneth McClenny:AOSE#1275</i>

Date of Report: <u>2/23/2017</u>	AOSE/PE Job Number: _____ (optional)
Revision Date(s): _____	Health Department I.D. No.: _____

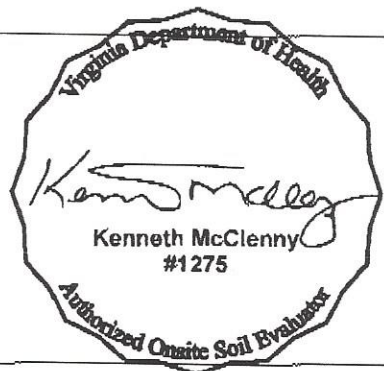
Contents/Index of this report:

Page	Contents of report	Page	Contents of report
	<i>Installation Area Soil Summary Report</i>		
	<i>Soil Profile Description Report</i>		
	<i>Reserve Area Soil Summary Report</i>		
	<i>Installation Area Abbreviated Design</i>		
	<i>Reserve Area Abbreviated Design</i>		
	<i>Survey Documentation</i>		

Certification Statement(s)

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 February 23, 2017 Submitted to Powhatan County Health Department
Applicant CABEL METTS Telephone (804-814-1955)
Address 30 HIGH POCKETTS ROAD CATERSVILLE, Va. 23027
Owner Same as above Address Same as above
Location From HWY 13 EAST TAKE A RIGHT ON ROUTE 631 GO 1.0 MILES TO PROPERTY ON THE RIGHT
Tax Map PART OF 46-67 Subdivision CLAYTON ROAD NEW VENTURES
Block Section Lot PARCEL 4 14.27 ACRES Install. System type: Conventional Trench (Upper portion)

SOIL INFORMATION SUMMARY

1. Position in landscape satisfactory Yes ☒ No ☐
Describe SIDESLOPE
2. Slope 8%
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 III
*Estimated Rate 50
7. Permeability test performed Yes ☐ No ☒
- *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.
- If yes, note type of test performed and attach:

☒ 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)

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 date of evaluation.
C:\Users\mmonm\Documents\CABELCLAYTONROADLOT4.doc, revised 12/10/07

SOIL PROFILE DESCRIPTION REPORT

Date of Evaluation: July 20, 2016

CABEL METTS , CLAYTON ROAD NEW VENTURES, PARCEL 4 14.27 ACRES

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	0-4	10YR 4/3 LOAM	II
	Bt	4-26	5YR 4/6 HEAVY CLAY LOAM	III
	BC	26-44	5YR 4/6 & 6/6 CLAY LOAM	III
	C	44-80	5YR 6/6, 8/6 & 7.5YR 8/6 LOAM FRIABLE	II
2	A	0-6	10YR 4/3 LOAM	II
	Bt	6-24	5YR 4/6 & 2.5YR 4/6 HEAVY CLAY LOAM	III
	BC	24-40	2.5YR 4/6 & 6/6 CLAY LOAM TO sandy CLAY LOAM	III
	C	40-80	5YR 6/6, 8/6 & 10YR 4/3 FINE SANDY LOAM FRIABLE	II
3	A	0-6	10YR 4/3 LOAM	II
	Bt	6-24	2.5YR 4/6 LIGHT CLAY	III
	BC	24-60	2.5YR 4/6 & 6/6 CLAY LOAM TO LIGHT CLAY LOAM	III
	C	60-72	5YR 8/3 & 8/6 COARSE MICA LOAM	II
4	A	0-6	10YR 4/3 LOAM	II
	Bt	6-28	2.5YR 4/6 HEAVY CLAY LOAM	III
	BC1	28-40	2.5YR 4/6 & 6/6 CLAY LOAM TO LIGHT CLAY LOAM	III
	BC2	40-72	2.5YR 4/6, 6/6 & 5YR 6/6 HEAVY SILT LOAM	III

Installation Area Abbreviated Design Form <u>Lot 4</u>			
A. System type (Conv., Drip, Drip Mound, Puraflo pad, Puraflo Trench, Advantex, etc.)		<i>Conventional Trench</i>	
B. Estimated or measured Percolation Rate		<i>50.0 mpi</i>	
C. Slope		<i>8.0 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>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>376.00 sq.ft.</i>	
N. Available Area Across Slope		<i>54 feet</i>	
O. Proposed Width of System (Line length, Pad width, Active Mound width, etc.)		<i>54 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>7</i>	
T. Available area Down Slope (includes area for reserve if combined in this site)		<i>93 feet</i>	
U. Down slope distance required for installation		<i>57 feet</i>	
V. Total Square Footage required for installation		<i>1,128.00 sq.ft.</i>	
W. Total Square Footage in Design		<i>1134 sq.ft.</i>	
<p>Does this site require a reserve area? <u>Yes</u> Amount Required <i>100 percent</i></p> <p>Does this site have a reserve area included within it? <u>Yes</u></p> <p>Available area across slope for Reserve <i>54 feet</i></p> <p>Available area down slope for Reserve <i>30 feet</i></p> <p>Total square footage available for Reserve <i>1620 sq.ft.</i></p> <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 <u>Lot 4</u>			
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>50.0 mpi</i>	
C. Slope		<i>8.0 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>0.89 gpd/sq.ft.</i>	
N. Available Area Across Slope		<i>54 feet</i>	
O. Proposed Width of Reserve (Line length, Pad width, Active Mound width, etc.)		<i>54 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>30 feet</i>	
U. Down slope distance required for reserve		<i>30 feet</i>	
V. Total Square Footage required for reserve		<i>505.62 sq.ft.</i>	
W. Total Square Footage in Design		<i>648 sq.ft.</i>	
<p>Does this lot require a reserve area? <u>Yes</u> Amount Required <i>100 percent</i></p> <p>Does this site contain both installation and reserve? <u>Yes</u></p> <p>Available area across slope for Reserve <i>54 feet</i></p> <p>Available area down slope for Reserve <i>30 feet</i></p> <p>Total area in square footage available for Reserve <i>1620 sq.ft.</i></p> <p>Percent of Reserve Available <i>128 percent</i></p> <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>			

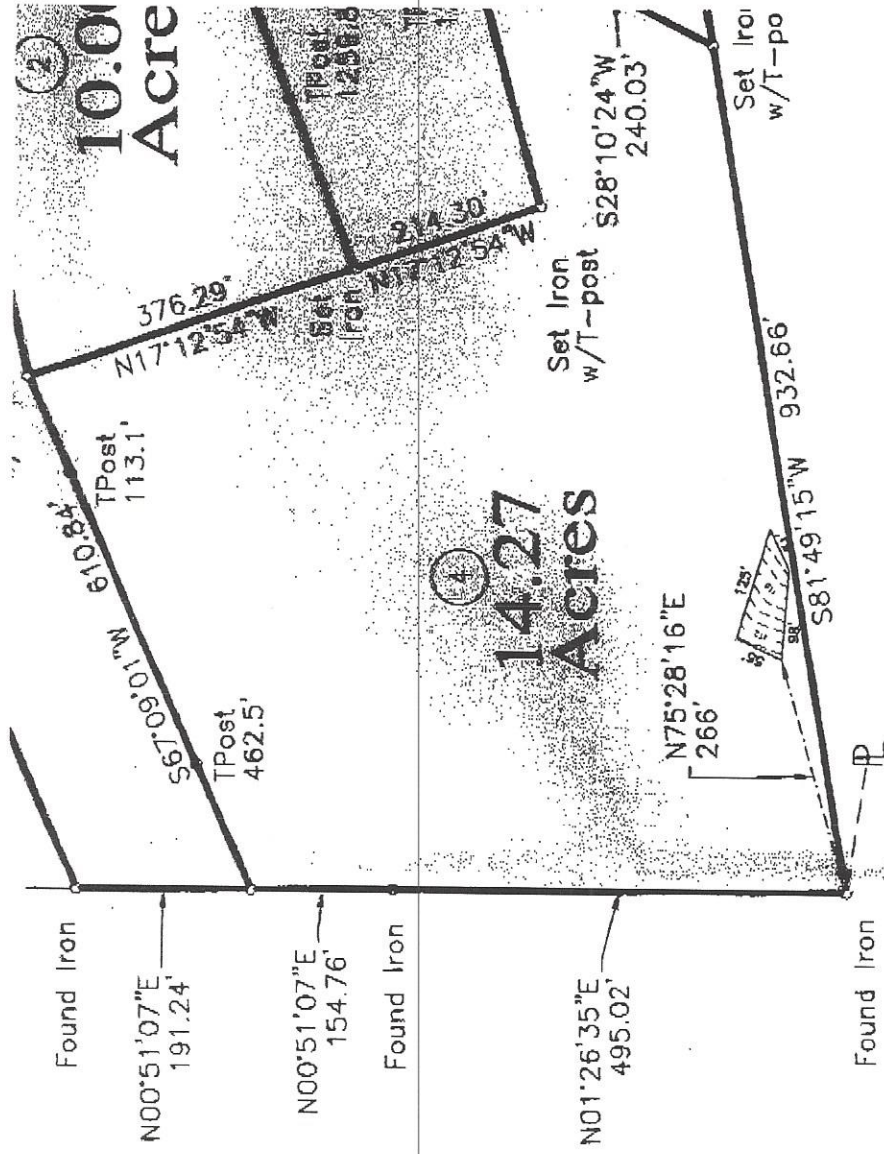
10.00 Acres

TM46-30

MAP FOR SOILS

98.7067

TM46-68
Fred C. Haren, Sr.
D.B.779 p.538



MAP FOR

Notes:

1. Part of Tax Map Parcel No.46-67.
2. This plat has been prepared without the benefit of a title examination and therefore does not necessarily indicate all encumbrances on the property.
3. This plat agrees with found plats, deed descriptions, ground evidence and local witnesses as near as possible.
4. This plat is based on a current field survey.
5. This land is situated in ~~Franklin County, Missouri~~ ~~Franklin County, Missouri~~