

AOSE/PE Report for Subdivision Approval

Location of property:	Lot <u>LOT 5 SITE B</u> Section <u> </u> , Subdivision, SPROUSES CORNER RIDDLES BRIDGE ROAD Tax Map # <u>29-1-0-61-0</u> Latitude/Longitude <u> </u>
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Applicant or Client and address: <u>SPROUSES CORNER, LLC</u> <u>30 HIGH POCKETTS ROAD</u> <u>CATERSVILLE, Va. 23027</u>	Prepared by AOSE/PE: <u>Kenneth McClenny; AOSE1275</u>
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Date of Report: <u>6/24/2016</u>	AOSE/PE Job Number: <u> </u> (optional)
Revision Date(s): <u> </u>	Health Department I.D. No.: <u> </u>

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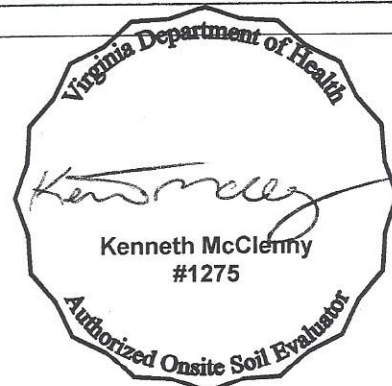
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Certification Statement(s)

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.

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.



Installation & RESERVE Area Soil Summary Report

GENERAL INFORMATION

Date June 24, 2016 Submitted to Goochland County Health Department
 Applicant SPROUSES CORNER, LLC Telephone (804-814-1955)
 Address 30 HIGH POCKETTS ROAD CATERSVILLE, Va. 23027
 Owner Same as above Address Same as above
 Location LOCATED ON ROUTE 613 RIDDLES BRIDGE ROAD 0.4 MILES FROM THE INTERSECTION OF ROUTE 614
PROPERTY ON THE LEFT HEADED WEST
 Tax Map 29-1-0-61-0 Subdivision SPROUSES CORNER RIDDLES BRIDGE ROAD
 Block Section Lot LOT 5 SITE B Install. System type: Conventional Trench (Upper portion)

SOIL INFORMATION SUMMARY

1. Position in landscape satisfactory Yes ☒ No ☐

Describe 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 ☒ Texture group IIB

No ☐ *Estimated Rate 45

**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.*

7. Permeability test performed Yes ☒

No ☐

If yes, note type of test performed and attach:

☒ Site Approved: Primary drainfield to be placed at 72 inch depth at site designated in this package.
 If required, reserve to be placed at 72 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: March 15, 2016

SPROUSES CORNER, LLC , SPROUSES CORNER RIDDLES BRIDGE ROAD , LOT 5 SITE B

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	0-10	10YR 4/3 LOAM	II
	Bt	10-24	5YR 4/6 & 2.5YR 4/6 HEAVY CLAY LOAM	III
	BC	24-56	2.5YR 4/6 & 6/6 CLAY LOAM TO SANDY CLAY LOAM	III
	C	56-90	5YR 6/6, 7/6 & 8/6 MICA LOAM TO SANDY LOAM FRIABLE	II
2	A	0-8	10YR 4/3 LOAM	II
	Bt	8-24	5YR 4/6 & 2.5YR 4/6 HEAVY CLAY LOAM	III
	BC	24-58	2.5YR 4/6 & 6/6 CLAY LOAM TO SANDY CLAY LOAM	III
	C	58-90	2.5YR 6/4 FINE SANDY LOAM FRIABLE	II
3	A	0-6	10YR 4/3 LOAM	II
	Bt	6-22	5YR 4/6 & 2.5YR 4/6 HEAVY CLAY LOAM	III
	BC	22-58	2.5YR 4/6 & 6/6 CLAY LOAM TO SANDY CLAY LOAM	III
	C	58-90	2.5YR 6/6 & 6/4 LOAM FRIABLE	II
4	A	0-6	10YR 4/3 LOAM	II
	Bt	6-24	5YR 4/6 & 2.5YR 4/6 HEAVY CLAY LOAM	III
	BC	24-60	2.5YR 4/6 & 6/6 CLAY LOAM TO SANDY CLAY LOAM	III
	C	60-90	5YR 6/6, 7.5YR 8/6 & 6/6 LOAM TO SANDY LOAM FRIABLE	II

Installation Area Abbreviated Design Form Lot 5

A. System type (Conv., Drip, Drip Mound, Puraflo pad, Puraflo Trench, Advantex, etc.)	<i>Conventional Trench</i>
B. Estimated or measured Percolation Rate	45.0 mpi
C. Slope	7.0 percent
D. Depth of Evaluation	90 inches
E. Proposed Installation Depth	72 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 <u>None (Depth of Evaluation)</u>	
I. Depth of limiting feature	90 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
M. Square Footage required per bedroom (per gallon if design based on gpd)	344.00 sq.ft.
N. Available Area Across Slope	85 feet
O. Proposed Width of System (Line length, Pad width, Active Mound width, etc.)	80 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)	75 feet
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	1200 sq.ft.

Does this site require a reserve area?	<u>Yes</u>	Amount Required	100 percent
Does this site have a reserve area included within it?	<u>Yes</u>		
Available area across slope for Reserve			80 feet
Available area down slope for Reserve			30 feet
Total square footage available for Reserve			2400 sq.ft.

Notes:

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

Reserve Area Abbreviated Design 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		7.0 percent
D. Depth of Evaluation		90 inches
E. Proposed Installation Depth		72 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		<u>None (Depth of Evaluation)</u>
I. Depth of limiting feature		90 inches
J. Minimum required stand-off to limiting feature		12 inches
K. Stand-off distance provided in design		18 inches
L. Design based on number of bedrooms		3 bedrooms
M. Loading Rate		0.99 gpd/sq.ft.
N. Available Area Across Slope		85 feet
O. Proposed Width of Reserve (Line length, Pad width, Active Mound width, etc.)		80 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)		30 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		720 sq.ft.

Does this lot require a reserve area?	<u>Yes</u>	Amount Required	100 percent
Does this site contain both installation and reserve?	<u>Yes</u>		
Available area across slope for Reserve			80 feet
Available area down slope for Reserve			30 feet
Total area in square footage available for Reserve			2400 sq.ft.
Percent of Reserve Available			158 percent

