

Location of property:

Lot ***LOT 2 SITE F*** Section __, Subdivision, SPROUSES CORNER RIDDLES
BRIDGE ROAD
Tax Map # *29-1-0-61-0*
Latitude/Longitude

Prepared by AOSE/PE:

Kenneth McClenny; AOSE1275

Date of Report: 6/24/2016

AOSE/PE Job Number: _____ (optional)

Revision Date(s): _____

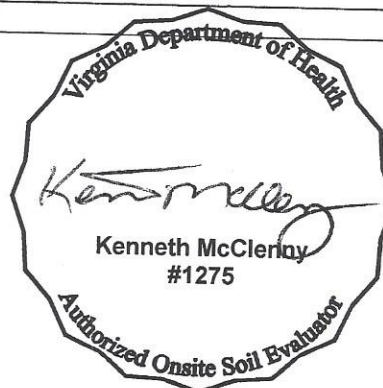
Health Department I.D. No.:

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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.

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

Applicant SPROUSES CORNER, LLC

Submitted to Goochland County Health Department

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 2 SITE F

Install. System type: Conventional Trench (Upper portion)

SOIL INFORMATION SUMMARY

1. Position in landscape satisfactory Yes ☒ No ☐

Describe SHOULDER SLOPE

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 ☒

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)

SOIL PROFILE DESCRIPTION REPORT

Date of Evaluation: March 15, 2016

SPROUSES CORNER, LLC , SPROUSES CORNER RIDDLES BRIDGE ROAD , LOT 2 SITE F

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	0-8	10YR 4/3 LOAM	II
	Bt	8-22	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, 7/6 & 7.5YR 8/6 SANDY LOAM	II
2	A	0-8	10YR 4/3 LOAM	II
	Bt	8-24	5YR 4/6 HEAVY CLAY LOAM	III
	BC	24-50	5YR 4/6 & 6/6 CLAY LOAM	III
	C	50-72	5YR 6/6 & 8/6 LOAM TO SANDY LOAM	II
3	A	0-6	10YR 4/3 LOAM	II
	Bt	6-24	5YR 4/6 HEAVY CLAY LOAM	III
	BC	24-45	5YR 4/6 & 8/6 CLAY LOAM TO SANDY CLAY LOAM	III
	C	45-72	7.5YR 4/6 & 8/6 SANDY LOAM MOD. FRIABLE	II
4	A	0-6	10YR 4/3 LOAM	II
	Bt	6-22	5YR 4/6 HEAVY CLAY LOAM	III
	BC	22-42	5YR 4/6 & 6/6 SANDY CLAY LOAM	III
	C	42-72	7.5YR 8/6 & 10YR 8/6 SANDY LOAM FRIABLE	II
5	A	0-6	10YR 4/3 LOAM	II
	Bt	6-20	5YR 4/6 HEAVY CLAY LOAM	III
	BC	20-42	5YR 4/6 & 6/6 SANDY CLAY LOAM	III
	C	42-72	7.5YR 8/6 & 10YR 8/6 SANDY LOAM FRIABLE	II

Installation Area Abbreviated Design Form Lot 2

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>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		<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>76 feet</i>
O. Proposed Width of System (Line length, Pad width, Active Mound width, etc.)		<i>76 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>75 feet</i>
U. Down slope distance required for installation		<i>39 feet</i>
V. Total Square Footage required for installation		<i>1,128.00 sq.ft.</i>
W. Total Square Footage in Design		<i>1140 sq.ft.</i>

Does this site require a reserve area?	<u>Yes</u>	Amount Required	<i>100 percent</i>
Does this site have a reserve area included within it?	<u>Yes</u>		
Available area across slope for Reserve			<i>76 feet</i>
Available area down slope for Reserve			<i>30 feet</i>
Total square footage available for Reserve			<i>2280 sq.ft.</i>

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 2

A. System type (Conv., Drip, Drip Mound, Puraflo pad, Puraflo Trench, Advantex, etc.)	Advantex 3' trench
B. Estimated or measured Percolation Rate	50.0 mpi
C. Slope	6.0 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	<u>None (Depth of Evaluation)</u>
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
L. Design based on number of bedrooms	3 bedrooms
M. Loading Rate	0.89 gpd/sq.ft.
N. Available Area Across Slope	76 feet
O. Proposed Width of Reserve (Line length, Pad width, Active Mound width, etc.)	76 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	505.62 sq.ft.
W. Total Square Footage in Design	684 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			76 feet
Available area down slope for Reserve			30 feet
Total area in square footage available for Reserve			2280 sq.ft.
Percent of Reserve Available			135 percent

Notes:

C:\Documents and Settings\Owner\My Documents\METTS GOOCH LAND LOT 2 RIDDLESB.doc, revised 12/10/07

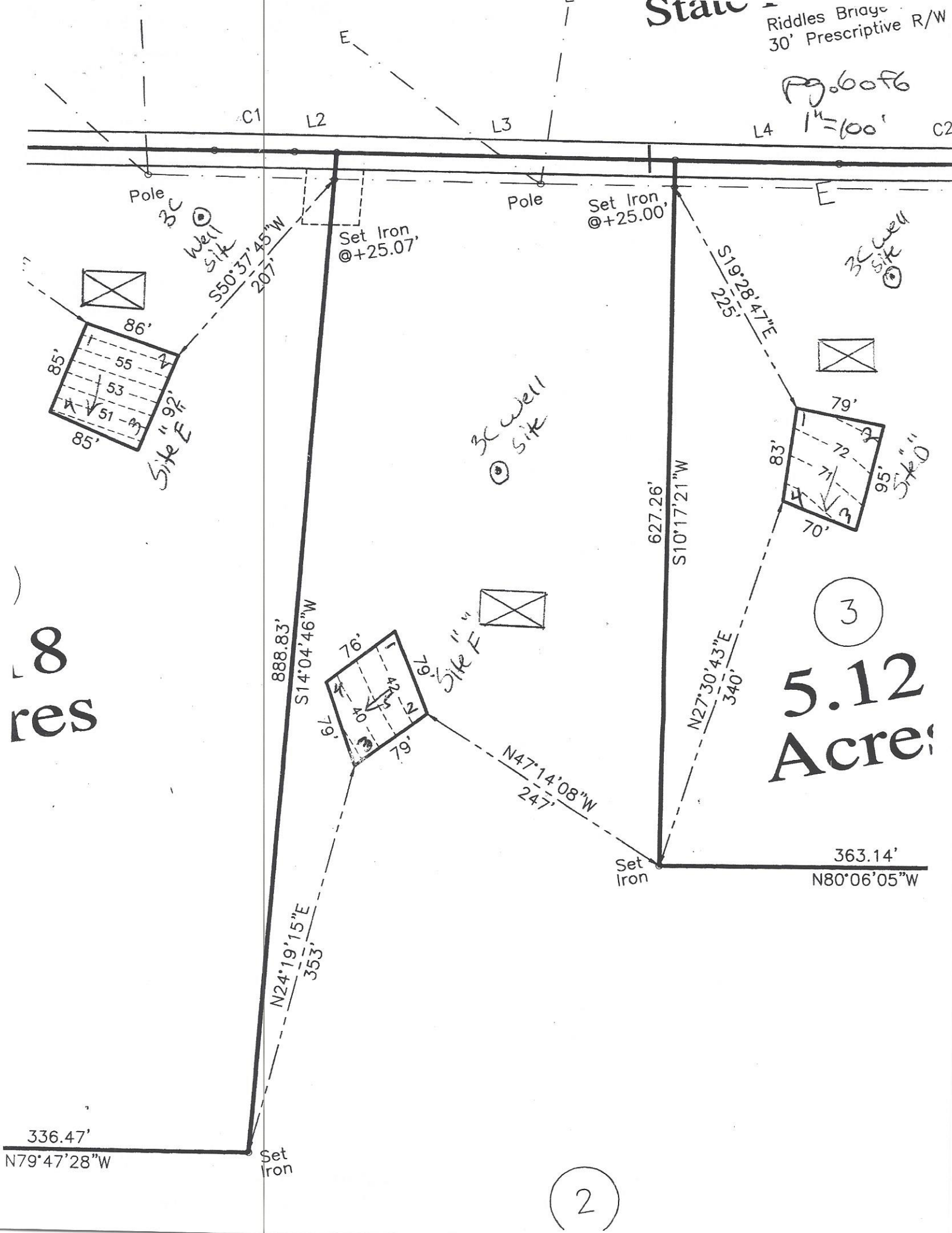
To the best of our knowledge and belief, this site complies with all local ordinances such as the CBPA.

State

Riddles Bridge
30' Prescriptive R/W

Pg. 60 of 6

1" = 100' C2



8
res

3
5.12
Acres

2