

Davis Onsite Soil Evaluations, L.L.C.
 Alwyn W. Davis Jr. (AOSE # 1940001136)

AOSE Report For:

SEWAGE DISPOSAL SYSTEM & PRIVATE WELL SUBDIVISION APPROVAL

Location of Property:	Caroline	County	
	Subdivision: Jennie Sue Dodd, Trustee	Section: _____	Lot: 2
	Tax Map Number: 108 A-19		

Applicant or Client and Address:	Prepared by AOSE/PE
Jennie Sue Dodd, Trustee	Davis Onsite Soil Evaluations L.L.C.
33356 Richmond Turnpike	P.O. Box 3133
Hanover, VA 23069	Tappahannock, VA 22560
	Phone (804) 366-1137
	Email: awdavis272@gmail.com

Date of Report: 03-17-2020	AOSE/PE Job Number: _____
Revision Date: _____	Health Dept. ID Number: _____

Contents/Index of this Report²

Application	Soil Summary Report	_____
Site Sketch/Drainfield Layout	Soil Profile Descriptions	_____
Abbreviated Design (Primary)	Soil Boring Locations with 200' Sanitary Survey	_____
Abbreviated Design (Reserve)	Addendum to AOSE/PE Certification	_____
	Statement for Private Well Location	_____

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.

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

ALWYN W. DAVIS JR.
 VA. AOSE # 1940001136

Alwyn W. Davis Jr.
 03-17-2020

I recommend a Subdivision Approval ⁴ be Approved ⁵

Commonwealth of Virginia

Application for: Sewage System ☒ Water Supply ☒

Owner	Jennie Sue Dodd, Trustee	Phone	(804) 338-4115
Mailing Address	33356 Richmond Turnpike	Phone	
	Hanover, VA 23069	Fax	
Agent	Davis Onsite Soil Evaluations L.L.C.	Phone	(804) 366-1137
Mailing Address	P.O. Box 3133	Phone	
	Tappahannock, VA 22560		
Site Address	Caroline Tax Map # 108 A-19		
		Email	awdavis272@gmail.com
Directions to Property:	From Intersection of Route 301 & 30, Route 301 South to # 33080 Richmond Turnpike.		

Subdivision	Jennie Sue Dodd, Trustee	Section		Block		Lot	2
Tax Map	108 A-19	Other Property Identification		Dimension/Acreage of Property	2.54 Ac.		

Sewage System			
Type of Approval: Applicants for new construction are advised to apply for a certification letter to determine if land is suitable for a sewage system and to apply for a construction permit (valid for 18 months) only when ready to build.			
For New Construction:	Subdivision Approval <input checked="" type="checkbox"/>		Construction Permit
For Existing Construction:	Repair	Modification	Expansion Replacement
Proposed Use:			
X Single Family Home: Number of Bedrooms		3	Multi-Family Dwelling: Total Number of Bedrooms
Other (describe) _____			
Will there be a basement? Yes X No If yes, will there be fixtures in the basement? Yes No			
Are any conditions proposed on this construction permit? Yes No X If yes, please check or describe all proposed conditions that apply:			
<input type="checkbox"/> Reduced Water Flow <input type="checkbox"/> Limited Occupancy <input type="checkbox"/> Intermittent or seasonal use <input type="checkbox"/> Temporary use not to exceed one year <input type="checkbox"/> Other (describe) _____			
Water Supply			
Will the water supply be	Public	X Private	Is the water supply Existing Proposed
If proposed, is this a replacement well?	Yes	No	Will the old well be abandoned? Yes No
Have any buildings within 100' of the proposed well been termite treated?		Yes	No
All Applicants			
Is this an AOSE/PE application? X Yes <input type="checkbox"/> No		If yes, is the AOSE package attached? X Yes <input type="checkbox"/> No	

In order for VDH to process your application you must attach a site sketch and plat of the property. The site sketch should show your property lines, actual and/or proposed buildings and the desired location of your well and/or sewage system. When the site evaluation is conducted the property lines, building location and the proposed well and sewage system sites must be clearly marked and the property sufficiently visible to see the topography, otherwise this application will be denied.

I give permission to the Virginia Department of Health (VDH) to enter onto the property described during normal business hours for the purpose of processing this application and to perform quality assurance checks of evaluations and designs certified by an Authorized Onsite Soil Evaluator (AOSE) or a Professional Engineer (PE) as necessary until the sewage disposal system has been constructed and approved.


Signature of Owner/Agent

03/17/20
Date

SOIL SUMMARY REPORT

General Information			
Date:	02-08-2020	Caroline	County Health Department
Applicant:	Davis Onsite Soil Evaluations L.L.C.		
Telephone Number:	804-366-1137		
Address:	P.O. Box 3133 Tappahannock, VA 22560		
Owner:	Jennie Sue Dodd, Trustee	Address	33356 Richmond Turnpike, Hanover, VA 23069
Location:	33080 Richmond Turnpike, Hanover, VA 23069		
Subdivision:	J.S. Dodd, Trustee	Block/Section:	Map 108 A-19 Lot: 2
Soil Information Summary			
1. Position in landscape satisfactory:	Yes X No	Describe: Upland Topography, Knoll to Side Slope	
2. Slope:	3 %		
3. Depth to rock/impervious strata:	Max:	Min:	None: X
4. Depth to seasonal water table (gray mottling or gray color):	N/A		
5. Free water present:	No X Yes	Range in inches: n/a	
6. Soil percolation rate estimated:	Yes X	Texture Group:	I IIa III IV
	No	Estimated Rate:	25 mpi,
7. Percolation test performed:	Yes		
	No X		
If yes, note type of test performed and attach:			
Department Use			
X Site Approved:	Drainfield trench bottoms to be placed at <u>36"</u> (inches) depth at site designated on permit.		
Site Disapproved:			
Reasons for rejection: (check all that apply)			
1.	<input type="checkbox"/>	Position in landscape subject to flooding or periodic saturation.	
2.	<input type="checkbox"/>	Insufficient depth of suitable soil over hard rock.	
3.	<input type="checkbox"/>	Insufficient depth of suitable soil to seasonal water table.	
4.	<input type="checkbox"/>	Rates of absorption too slow.	
5.	<input type="checkbox"/>	Insufficient area of acceptable soil for required drainfield, and/or Reserve Area.	
6.	<input type="checkbox"/>	Proposed system too close to well.	

SOIL PROFILE DESCRIPTION REPORT

Date of Evaluation: 02-08-2020

Caroline County Tax Map 108A-19 (Parcel 2)

Hole #	Horizon	Depth (inches)	Description of color, texture, etc.	Texture Group
1	O	00-02	Organic Matter, Wooded Site	Ila
	A	02-12	10YR 4/3 Brown, SL, 5% fine gravel	Ila
	E	12-24	10YR 5/6 Yellowish Brown, Gravelly, FSCL, 50% fine gravel, 20-25 mpi	Ila
	B	24-60	10YR 5/8 Yellowish Brown; SL, 50-60% gravel, very well drained horizon	Ila
			20-25 mpi	
2	O	00-02	Organic Matter, Wooded Site	Ila
	A	02-12	10YR 4/3 Brown, SL, 5% fine gravel	Ila
	E	12-40	10YR 5/6 Yellowish Brown, Gravelly, FSCL, 50% fine gravel, 20 mpi	Ila
	B	40-60	7.5YR5/8 Strong Brown, FSCL, 25 mpi, 10-15 % fine gravel	Ila
3	O	00-02	Organic Matter, Wooded Site	Ila
	A	02-12	10YR 4/3 Brown, SL, 5% fine gravel	Ila
	E	12-40	10YR 5/6 Yellowish Brown, Gravelly, FSCL, 50% fine gravel, 20 mpi	Ila
	B	40-60	7.5YR5/8 Strong Brown, FSCL, 25 mpi, 10-15 % fine gravel	Ila
Notes: Well drained soils, excellent landscape position, Bed design utilized due to limited area of future home site.				

ABBREVIATED DESIGN FORM FOR GMP-147 SYSTEMS
(Primary & Reserve)

Treatment Unit Must Meet TL-2

Caroline Map 108 A-19 Parcel 2

A.	Estimated Percolation Rate (Minutes Per Inch)	25 mpi
B.	Loading Rate (Gallons Per Square Ft.) Using bed from Table 1, TL-3 Effluent	2.0 gpd/ft ²
C.	Number of Bedrooms	3
D.	Estimated Daily Flow to bed	450 gpd
E.	trench Area Required (Square Feet) (D/B)	225 s.f.
F.	Length of Proposed Bed	30 ft
G.	Width of Proposed Bed	16 ft
H.	Area of Proposed System (Square Feet)	480 ft ²
I.	Maximum Elevation Change in Proposed Bed	8"
J.	Proposed Installation Depth	40 inches

Remarks:

Addendum to AOSE/PE Certification Statement
For Private Well Construction Permit

Instructions: Please check one box in 1-3 below. Statement templates for items #2 and #3 are on the following pages.

The proposed well site shown herein,

☒ Is located a minimum of 50 feet from all property lines that are bordering agricultural lands.

- ☐ 2. Is located a within 50 feet of the adjacent property line(s) but I have determined that the adjacent property is not used for an agricultural operation.
- ☐ i. Written affirmation from the adjacent property owner(s) that their property is not used for an agricultural operation.
- ☒ ii. Other confirmation that land use is not an agricultural operation, please describe:
LOT IS LOCATED INSIDE A RESIDENTIAL SUBDIVISION
- ☐ 3. Is located within 50 feet of an adjacent property line where the property is used for an agricultural operation. For confirmations, I have attached the appropriate documentation pursuant to § 32.1-176.5:2 of the *Code of Virginia*. (check one below)
- ☐ i. Written permission from the adjacent property owner(s) for the well construction.
- ☐ ii. I certify that no other site on the property complies with the Board's Regulations for the construction of a private well.

Site Sketch, Soil Boring Locations, 200' Sanitary Survey.

Pg. 1 of 17

*There are up other known wells on
505' within 200' of proposed well #
505.5.

03/24/20 NO. 105-A-18
GIVEN H. EDWARDS
D.B. 555 P. 202

03/13/20 20
V.H. 105-A-18/105-A-19

FOUND V.S.H.C. MANGER
THE LINE
M.T. 5076 E
38.09'

105-A-18/105-A-19

105-A-18/105-A-19

105-A-18/105-A-19

105-A-18/105-A-19

105-A-18/105-A-19

105-A-18/105-A-19

105-A-18/105-A-19

105-A-18/105-A-19

105-A-18/105-A-19

105-A-18/105-A-19

105-A-18/105-A-19

105-A-18/105-A-19

105-A-18/105-A-19

105-A-18/105-A-19

105-A-18/105-A-19

FAMILY SUBDIVISION SURVEY FOR JENNIE SUE DODD, TRUSTEE REEDY CHURCH MAGISTERIAL DISTRICT CAROLINE COUNTY, VIRGINIA

NOTES:

- 1) THIS PLAT IS BASED ON A CURRENT FIELD SURVEY.
- 2) CURRENT OWNER: JENNIE SUE DODD, TRUSTEE
D.B. 1296 P. 116
- 3) PROPERTY ADDRESS IS 33080 RICHMOND TURNPIKE.
- 4) LOT 1 IS TO BE RETAINED BY JENNIE SUE DODD, LOT 2 IS TO BE CONVEYED TO HER SON, PARK DODD.

FAMILY SUBDIVISION NOTES

1. The grantee is an immediate family member of the owner(s) who are immediate family members, as defined by the ordinance.
2. No previous transfer under this provision has been granted to the grantee in this County.
3. The lot will not be voluntarily transferred to a non-immediate family member for at least two (2) years except in accordance with paragraph (13) of the subdivision ordinance.
4. When creating more than two (2) lots, a road maintenance agreement on perpetuity must be executed between the property owners with the statement that the owners will not request to be included in the Virginia Department of Transportation Rural Addition Program.
5. The grantee is 18 years of age and able to hold real property under the laws of Virginia.
6. The purpose of the transfer is to provide for the housing needs of the parties.
7. The transfer is not for the purpose of circumvention of the Subdivision Ordinance.

OWNERS' CONSENT AND DEDICATION

I, the undersigned, do hereby certify that the subdivision of land as shown on this plat containing 2.54 acres, more or less, situated in the Reedy Church Magisterial District, in Caroline County, Virginia, is with the free consent and in accordance with the desires of the undersigned owners, proprietors, and trustees; that all streets shown on said plat are hereby dedicated to the public use, and all lots within the subdivision are subject to certain restrictions, reservations, subdivisions, and covenants as contained in a writing executed by the undersigned under date of _____, 2020 and recorded in the Clerk's Office of Caroline County, Deed Book _____, Page _____.

I, the undersigned, do hereby certify that the subdivision of land as shown on this plat containing 2.54 acres, more or less, situated in the Reedy Church Magisterial District, in Caroline County, Virginia, is with the free consent and in accordance with the desires of the undersigned owners, proprietors, and trustees; that all streets shown on said plat are hereby dedicated to the public use, and all lots within the subdivision are subject to certain restrictions, reservations, subdivisions, and covenants as contained in a writing executed by the undersigned under date of _____, 2020 and recorded in the Clerk's Office of Caroline County, Deed Book _____, Page _____.

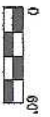
Given under my hand this _____ day of February, 2020.

SURVEYOR'S CERTIFICATE

I hereby certify that to the best of my knowledge and belief, all the requirements of Caroline County, Virginia, regarding the platting of subdivisions, have been complied with and the source of title of the owners of the land subdivided and the plat of record of the last instrument in the chain of title is as follows: Deed Book 1296, page 116. I further certify that the plat of which this certificate is a part is of land acquired from only one source of title or at the event this plat is of land acquired from more than one source of title, that the same is the same as the source of title.

Given under my hand this _____ day of February, 2020.

Certified Land Surveyor



MICHAEL A. WIND, CERTIFIED LAND SURVEYOR
P.O. BOX 1597
TAPPAHANNOCK, VA. 22560
PHONE 804-443-6126

DATE: JANUARY 27, 2020
JOB NO: 74-18
TAX MAP NO: 108-A-19

SCALE: 60' = 1" (1" = 60')
DISK NO: 131-4
TFC NO: 20-9

