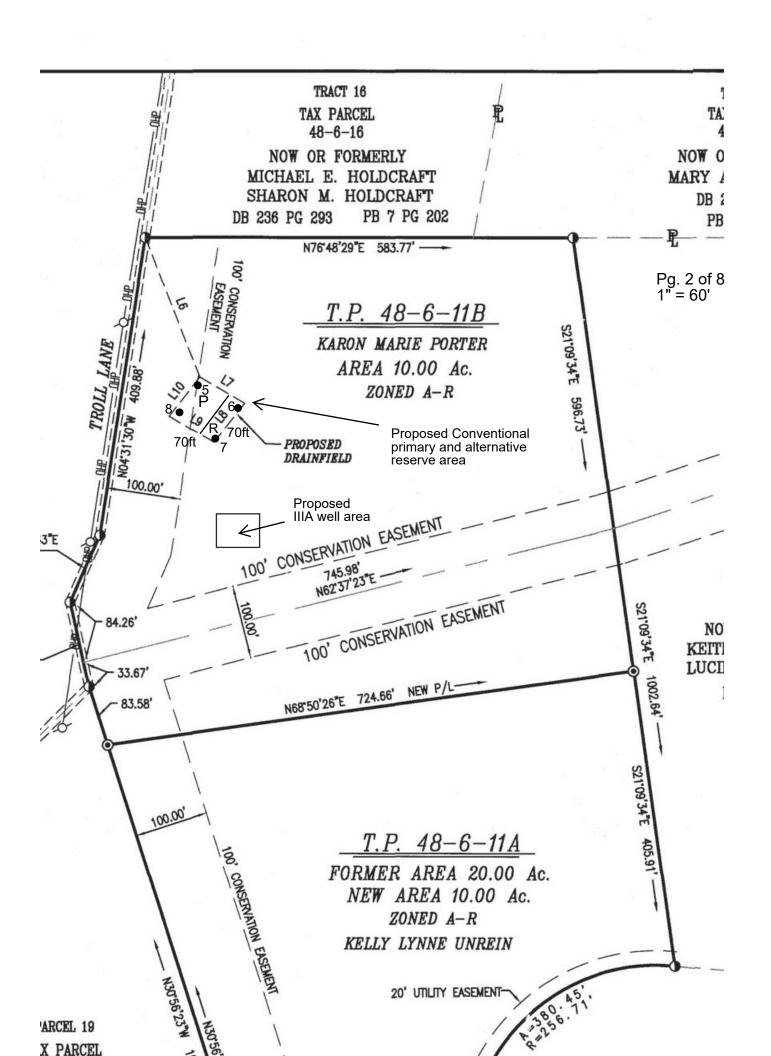
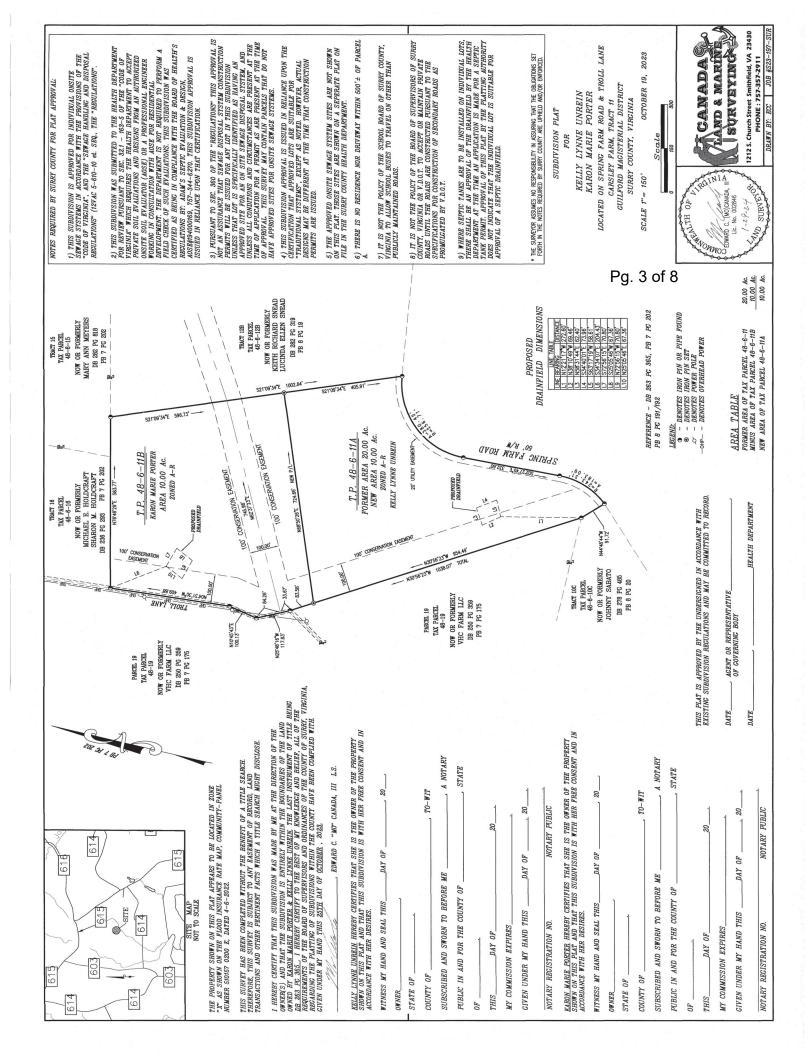
Commonwealth of Virginia Application for: ✓ Sewage System ✓ Water Supply	VDH Use only Health Department ID# Due Date
Owner Kelly Lynne Unrein	Phone 989-497- 2500 Ex. 13876
Mailing Address 7154 Albosta Drive	Phone
Saginaw, MI 48609	Fax
Agent Adams Septic Evaluation & Design	Phone 757-344-6270
Mailing Address 4516 Misty Court	Phone
Williamsburg, VA 23185	Fax
Site Address Spring Farm Road and Troll Lane, Dendron, VA 23839	
Directions to Property: Same	Email
	Block Lot B
Tax Map 48-6-11B Other Property Identification	
Other (describe) Basement? Ye No Walk-out Basement? Yes No Conditional permit desired? Yes No If yes, which conditions do yes Reduced water flow Limited Occupancy Intermittent or seasonal use	Fixtures in Basement Yes No You want? Temporary use not to exceed 1 year
Do you wish to apply for a betterment loan eligibility letter? Yes No *There Water Supply	is a \$50 fee for determination of eligibility.
Will the water supply be Public or Private? Is the water supp	ly Existing or Proposed? d well be abandoned? Yes No
All Applicants	
Is this property intended to serve as your (owners) principal place of residence? All applications must be accompanied by private sector evaluations and designs approved. Is a Petition for Service form attached? Yes No	
In order for VDH to process your application for a sewage system you must attached a pla supplies, a plat of the property is recommended and a site sketch is required. The site ske proposed buildings and the desired location of your well and/or sewage system. When the building location and the proposed well and sewage sites must be clearly marked and the processing this application and to perform quality assurance checks of evaluations and deservaluator or Professional Engineer as necessary until the sewage disposal system and/or papproved.	tch should show your property lines, actual and/or e site evaluation is conducted the property lines, property sufficiently visible to see the topography d during normal business hours for the purpose of signs certified by a private sector Onsite Soil
Adam C. Herman Digitally signed by Adam C. Herman Date: 2024.03.22 09:36:22 -04'00'	3-22-2024
Signature of Owner/ Agent	Date

This form contains personal information subject to disclosure under the Freedom of Information Act. Revised 7/1/2019





Soil Summary Report

General Information						
Date: 9-2	27-2023	Submitted to	Surry	Health Department		
Applicant:			Telephone Number	······································		
Address:						
Owner:	Kelly Lynn U	nrein	Telephone Number	•		
Address:	7154 Albosta	Drive, Saginaw, MI	48609			
Location:	Spri	ng Farm Rd., and Tr	oll lane			
Tax Map:	46-6-11B		Subdivision: Uni	rein		
Block/ Secti	on:		Lot: <u>B</u> +- 10.	00 Acres		
	in landscape sat gentle sideslop	tisfactory: Yes 🗵	ation Summary No			
3. Depth to4. Depth to5. Free wate6. Soil perc7. Permeab	seasonal water er present: No olation rate estions: II Estility test perform	mated: Yes $\boxed{\boxtimes}$ timated rate $\boxed{35}$	range in inches No Min/incl No			
conventiona		ield to be placed at	Depth	at site designated on permit		
2.	Position in land Insufficient dep	oth of suitable soil of the of suitable soil of tion too slow	ver seasonal water ta			

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Soil Profile Description Report

Date of Evaluation: 9-27-2023 Site: Spring Farm Road TM# 46-6-11B +- 10.00 Acres

	ring Farm Roa	d TM# 46-6-11B	+- 10.00 Acres	
Hole #	Horizon	Depth (inches)	Description of color, texture, ect.	Texture group
5	A	0-3	10YR 5/2 sandy loam topsoil	II
	Е	3-24	10Y 6/4 sandy loam	II
	Bt1	24-36	10YR 5/8 sandy loam	II
	Bt2	36-60	10YR 5/8 fine sandy clay loam	II
6	A	0-3	10YR 5/2 sandy loam topsoil	II
	Е	3-20	10Y 6/4 sandy loam	II
	Bt1	20-48	10YR 5/8 sandy clay loam	II
	Bt2	48-60	10YR 5/8 sandy clay loam w/ 7.5YR 5/8 and 10YR 7/1 mottles	II
7	A	0-3	10YR 5/2 sandy loam topsoil	II
,	E	3-24	10Y 6/4 sandy loam	II
	Bt1	24-42	10YR 5/8 sandy clay loam	II
	Bt2	42-60	10YR 5/8 sandy clay loam w/ 7.5YR 5/8 and 10YR 7/1 mottles	II
			motics	
8	A	0-3	10YR 5/2 sandy loam topsoil	II
	Е	3-24	10Y 6/4 sandy loam	II
	Bt1	24-60	10YR 5/8 sandy loam	II

Remarks:

Abbreviated Design Form

Unrein Spring Farm Road lot B 1.0 Acres

For use with gravity and pump drainfields, enhanced flow systems and low pressure distribution systems when applying for a certification letter or subdivision approval.

Primary	Design	Basis
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A.	Estimated Percolation Rate				35	
В.	3. Trench Bottom Sq. Ft. per bedroom				286	
C.	Number of bedrooms/Estimate	d usage	(gpd)		4/600	
Ar	ea calculations/ Trenches					
D.	Length of trench (ft)	70		Lei	ngth of available are	ea _70
E.	Width of trench (ft)	3				
F.	Number of trenches	6				
G.	Center-to-center spacing (ft)	9				
H.	Width required (ft)	48		W	idth of available are	ea 50
	G(F-1) + E					
I.	Total square footage required (B*C)	1144				
J.	Square footage in design	1260				
	(D * E * F)					
K.	Is a reserve area required?	X	Yes _		_ No	
Re	serve Design Basis					
A.	Estimated Percolation Rate				35	
B.	Hydraulic Loading Rate Table	1 AOS	S Regs.		<0.95 gpd/ft2 w/ T	L-3
C.	Number of bedrooms/Estimate	d usage	e(GPD)		4/600	
Ar	ea calculations/ Trenches					
D.	Width of Pad (ft)	20				
E.	Length of Pad (ft)	70				
F.	Number of Lines	Tbd				
G.	Number of Pads	1				
H.	Depth of Pad (in)	24"				
I.	Total square footage required (GPD/B)	632				
J.	Square footage in design $(D * E * F)$	1400				
K.	Is a reserve area required?	X	Yes _		_ No	

CONSTRUCTION NOTES

- The septic system installer is to completely read, understand, and follow the construction criteria contained in the current Sewage Handling and Disposal Regulations, General Management Policies, and Health Department policies prior to installation of the system.
- The septic tanks (and pump chamber, if applicable) are to be place a minimum of 10 feet from dwelling with crawl spaces or 20 feet from dwellings that have a basement.
- The conveyance line, drainfield lines, distribution box, and any other components of the system are to be placed a minimum of 10 feet from dwelling with crawl spaces or 20 feet from the dwellings that have a basement.
- All drainfield line are to be installed along the natural contour of the ground. The minimum center to center distance is 9 feet, unless otherwise noted, However, it is likely that this distance may be greater in a portion of the system, depending on how the natural contours dictate their placement. Lines should be field staked with the use of a transit or laser level prior to excavation.
- Class IIIA/B well(s) shall be placed a minimum of 50 feet upslope from the house, septic tank, and pump chamber, and a minimum of 50 feet upslope from any drainfield. Class IIIC/IV well(s) shall be placed a minimum of 50 feet from the house. septic tank, and pump chamber, and a minimum of 100 feet upslope from any drainfield.
- All components of the septic systems are to be a minimum of 5 feet from property lines, 10 feet from utility lines, and 10 feet from utility easements unless otherwise noted.
- All measurement are from iron pins set at property corners (not offset pins) unless otherwise noted.
 Measurement that intersect property lines are at 9O-degree angles to the properly line unless otherwise noted.
- The client, surveyor, or engineer provides topographic and house location information. The septic system installer is to verify the presence of a basement in the house, topography, house location, drainfield location, and confirm that the minimum setbacks dictated on this permit are available prior to installation of the system. If any of the above-mentioned items are not as depicted on the permit, the designer and permit holder should be notified immediately.
- If required, Lateral Groundwater Movement interceptors (LGMI) are to be constructed per the attached design and placed a minimum of 10 feet above the septic system and exited to daylight.
- If required, AOSS shall have Operation & Maintenance in place prior to placing system into operation. The septic system installer is to ensure that the O&M contract is in place prior to completion of system installation. If O&M contract is not in place, the designer and permit holder should be notified immediately.
- Roof drains, basement drains, sump pump drains and water softener discharges shall be diverted away from drainfield area and never connected to the septic system.
- All construction material and procedures must conform to applicable state and local codes and Manufacturers requirements. Contractor shall be familiar with Manufacturers requirements prior to install.
- A Sanitary Survey was conducted within 200ft of septic system.



The proposed well site shown herein,

Adam's Septic Evaluation and Design, LLC

4516 Misty Ct. Williamsburg, VA 23185 (757) 344-6270 Email: Adamsseptic@cox.net

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

Is located a minimum of 50 feet from all adjacent property lines.
 Is located within 50 feet of the adjacent property line(s) but I have determined that the adjacent property is not used for an agricultural operation. (less than 3.0 Acres)
 Is location within 50 feet of an adjacent property line where the property is used for an agricultural operation. For confirmation, I have attached the appropriate documentation pursuant to 32.1-176.5:2 of the Code of Virginia (check one below)
 i. Notarized, written permission from the adjacent property owner(s) for the well construction.
 ii. Notarized, affirmation from the adjacent property owner(s) that their property is not used for an agricultural operation pursuant to 3.1-22.29 of the Code of Virginia.