#### Onsite Soil Consulting, LLC

Broadlands Management, LLC

125 East Davis Street Culpeper, VA 22701 540-825-5331

Authorized Onsite Soil Evaluator

Project number: 04070

**Applicant:** 

**Owner:** 

#### Soil Evaluation Report

Date:

7/19/2005

**Health Department:** 

Madison

Project name:

J. Randolph Parks, Tr. Property

Lot:

В

Site: unified

Location: From Madison take Route 29N across the Robinson River. Turn R on SR 629 Lonnie Burke Road.

Turn R on SR 607 Lillards Ford Road. Bear R past SR 732 Tom's Drive. Proceed to SR 702 Larkins

Mill Lane. The property fronts on the south side of SR 607 and both sides of 702.

Position in Landscape:	sideslope				
Slope: 9%					
Depth to rock or impervious	strata, in.:	Yes maximum:	minimuı	m:	56
Depth to seasonal water tal	ole (gray mo	ttling or color), in.: None			
Free water present:	No	Range in inches:			
Percolation rate estimated:	Yes	Texture	e class:	11	
, 0,00,00,00,00		Estimated rate average at	depth:	45	
		Estimated rate slowes	st hole:	50	
Percolation test preformed:	No_	Number of percolation test	: holes:	-	
·		Depth of percolation test	holes:		
		Average percolation	on rate:		
Comments:					
backhoe evaluation					
		monwealth of b	`		

#### Name and title of evaluator:

D. Vaughan Mairs, AOSE #182 1670 Merrifields Lane Ruckersville, Virginia 22968

Tel: 434-973-0273, Fax: 434-964-1501



## Onsite Soil Consulting, LLC Authorized Onsite Soil Evaluator

## Abbreviated Drainfield Design

Estimated Perc. Rate, min./in.  Number of Bedrooms  Design Flow, gpd Trench Length, ft.  100 Trench Width, ft.  3 Number of Trenches 10 On-Center Spacing, ft.  9 Usable Width of Area, ft.  Square Footage Required, sq. ft.  Installation Depth, in.  Reserve Area Included in Layout  Project number  Lot  B  Winffied  VAUGHAN MAIRS  VAUGHAN MAIRS  AOSE #182				
Number of Bedrooms  Design Flow, gpd  Trench Length, ft.  Trench Width, ft.  Number of Trenches  On-Center Spacing, ft.  Usable Width of Area, ft.  Square Footage Required, sq. ft.  Installation Depth, in.  Reserve Area Included in Layout  Other features  Primary and reserve areas included in this layout  Pump system required  Low pressure system required  Secondary treatment recommended  3 C well (100' minimum from any drainfield)  Regrading of erosion features, etc. required  Ground control not on site at time of evaluation  Thick vegetation on site at time of evaluation			Project number	04070
Design Flow, gpd  Trench Length, ft.  Trench Width, ft.  Number of Trenches  On-Center Spacing, ft.  Usable Width of Area, ft.  Square Footage Required, sq. ft.  Installation Depth, in.  Reserve Area Included in Layout  Pump system required  Low pressure system required  Secondary treatment recommended  3 C well (100' minimum from any drainfield)  Regrading of erosion features, etc. required  Ground control not on site at time of evaluation	Estimated Perc. Rate, min./in.	45	Lot	В
Trench Length, ft. 100 Trench Width, ft. 3 Number of Trenches 10 On-Center Spacing, ft. 9 Usable Width of Area, ft. 84 Square Footage Required, sq. ft. 2751 Square Footage Available, sq. ft. 3000 Installation Depth, in. 36 Reserve Area Included in Layout 100%  Other features Primary and reserve areas included in this layout Pump system required Low pressure system required Secondary treatment required Secondary treatment recommended 3 3C well (100' minimum from any drainfield) 38 well (50' minimum from any drainfield) Regrading of erosion features, etc. required Ground control not on site at time of evaluation	Number of Bedrooms	4		
Trench Width, ft.   3   Number of Trenches   10   On-Center Spacing, ft.   9   Usable Width of Area, ft.   84   Square Footage Required, sq. ft.   2751   Square Footage Available, sq. ft.   3000   Installation Depth, in.   36   Reserve Area Included in Layout   100%    Other features   Primary and reserve areas included in this layout   Pump system required   Low pressure system required   Secondary treatment required   Secondary treatment recommended   3 C well (100' minimum from any drainfield)   3 B well (50' minimum from any drainfield)   Regrading of erosion features, etc. required   Ground control not on site at time of evaluation   Thick vegetation on site at time of evaluation	Design Flow, gpd		Site	unified
Number of Trenches On-Center Spacing, ft.  Usable Width of Area, ft.  Square Footage Required, sq. ft.  Square Footage Available, sq. ft.  Installation Depth, in.  Reserve Area Included in Layout  Other features  Primary and reserve areas included in this layout  Pump system required  Low pressure system required  Secondary treatment recommended  Secondary treatment recommended  3 C well (100' minimum from any drainfield)  Regrading of erosion features, etc. required  Ground control not on site at time of evaluation  Thick vegetation on site at time of evaluation	Trench Length, ft.	100		_
On-Center Spacing, ft.  Usable Width of Area, ft.  Square Footage Required, sq. ft.  Installation Depth, in.  Reserve Area Included in Layout  Other features  Primary and reserve areas included in this layout  Pump system required  Low pressure system required  Secondary treatment recommended  Secondary treatment recommended  3 C well (100' minimum from any drainfield)  Regrading of erosion features, etc. required  Ground control not on site at time of evaluation  Thick vegetation on site at time of evaluation	Trench Width, ft.		onweal	th of
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Square Footage Required, sq. ft.  Square Footage Available, sq. ft.  Square Footage Available, sq. ft.  Square Footage Available, sq. ft.  Installation Depth, in.  Reserve Area Included in Layout  Other features  Primary and reserve areas included in this layout  Pump system required  Low pressure system required  Secondary treatment required  Secondary treatment recommended  3C well (100' minimum from any drainfield)  3B well (50' minimum from any drainfield)  Regrading of erosion features, etc. required  Ground control not on site at time of evaluation  Thick vegetation on site at time of evaluation	On-Center Spacing, ft.		// VAUGHAN	I MAIRS
Square Footage Available, sq. ft.   3000   Reserve Area Included in Layout   100%   10	Usable Width of Area, ft.			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Installation Depth, in.  Reserve Area Included in Layout  Other features  Primary and reserve areas included in this layout  Pump system required  Low pressure system required  Secondary treatment required  Secondary treatment recommended  Secondary treatment recommended  3C well (100' minimum from any drainfield)  Regrading of erosion features, etc. required  Ground control not on site at time of evaluation  Thick vegetation on site at time of evaluation	Square Footage Required, sq. ft.		Vanha	Main
Other features  ☑ Primary and reserve areas included in this layout ☐ Pump system required ☐ Low pressure system required ☐ Secondary treatment required ☐ Secondary treatment recommended ☐ 3C well (100' minimum from any drainfield) ☐ 3B well (50' minimum from any drainfield) ☐ Regrading of erosion features, etc. required ☐ Ground control not on site at time of evaluation ☐ Thick vegetation on site at time of evaluation	•		Zaugran	
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Other considerations	<ul> <li>☑ Primary and reserve</li> <li>☐ Pump system requested</li> <li>☐ Low pressure system</li> <li>☐ Secondary treatme</li> <li>☑ 3C well (100' minime)</li> <li>☐ 3B well (50' minime)</li> <li>☐ Regrading of erose</li> <li>☐ Ground control note</li> <li>☐ Thick vegetation of the proper installation</li> </ul>	uired em required ent required ent recommended mum from any drainfield ion features, etc. require t on site at time of evaluat	l) ed ation ion	

### Onsite Soil Consulting, LLC

Approved Onsite Soil Evaluator

1670 Merriefields Lane, Ruckersville, Virginia 22968

Phone: 434-973-0273 Fax: 434-964-1501

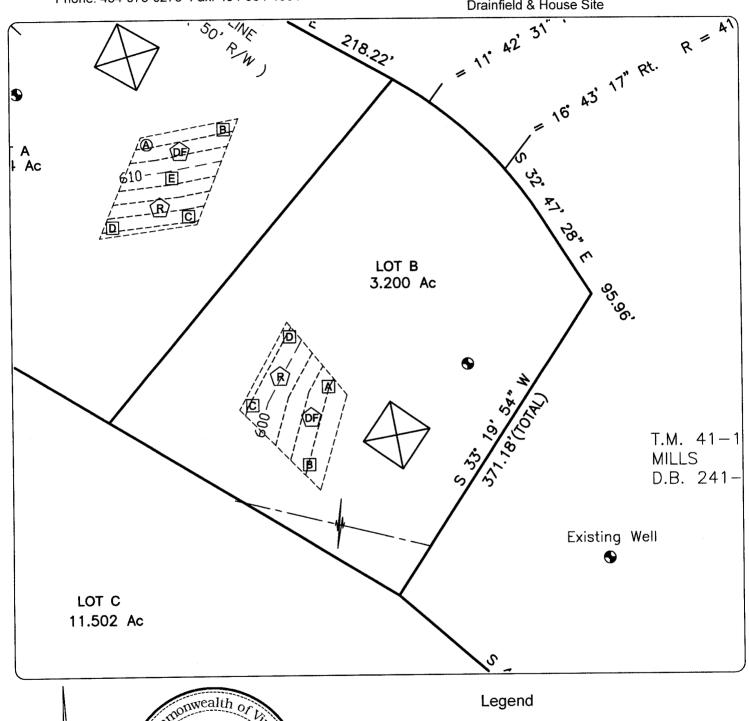
Sketch of: Lot "B"

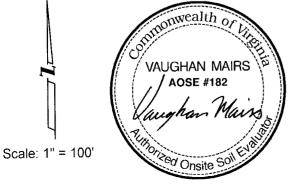
being a portion of

Tax Map 41, Parcel 17

showing proposed

**Drainfield & House Site** 







= House Site



= Drainfield



= Bore Hole



= Reserve Drainfield



= Test Pit



= Well, 3C



= Puraflo Drainfield



= Well, 3B

#### Onsite Soil Consulting, LLC

Approved Onsite Soil Evaluator

Date of evaluation 4/14/2005

# Soil Profile Descriptions

Project # 04070 Project name J. Randolph Parks, Tr. Property

Lot B

Site unified

Horizon	Depth	Description		Texture	
comment of the second s	N. 2012.2014.01.201.2014.01.2014.01.2014.01.2014.01.2014.01.2014.01.2014.01.2014	Hole ID:A	Estimated rate, (min/in): 40@36 inches	Class	
Ар	0-4	reddish brown (5YR5/4) loam			
BC	4-26	red (2.5YR4/6), brown (7.5YR5/4) fine sandy clay loam			
СВ	26-60	(40) (D5/4) allowed (EVDE/G) atrong brown (7 EVDE/G) fing sandy los			
	N. 2. 11 (1900)	Hole ID:B	Estimated rate, (min/in): 50@36 inches	]	
qΑ	0-4	reddish brown (5YR5/4) loam		Ħ	
Bt	4-24	red (2.5YR4/6) clay loam; few fine mica fl	akes	Ш	
СВ	24-54	red (2.5YR5/6) fine sandy clay loam; few	fine mica flakes	11	
С	54-56	brown (7.5YR5/4) fine sandy loam; comm	non fine mica flakes	Н	
Cr	56"+	paralithic saprolite		<b>24</b>	
M443	AM AND THE STREET,	Hole ID:C	Estimated rate, (min/in): 40@36 inches	]	
Αp	0-6	reddish brown (5YR5/4) loam		Н	
BC	6-26	red (2.5YR4/6), brown (7.5YR5/4) fine sandy clay loam			
СВ	26-60		I (5YR5/6), strong brown (7.5YR5/6) fine sandy loam;	11	
***************************************		Hole ID:D	Estimated rate, (min/in): 45@36 inches	_	
qΑ	0-4	dark yellowish brown (10YR4/4) loam		Ш	
BC	4-26	red (2.5YR4/6) light clay loam to fine sandy clay loam; few fine mica flakes			
СВ	26-56	red (2.5YR4/6), yellowish red (5YR5/6), strong brown (7.5YR5/6) loam; common fine mica flakes			



## Onsite Soil Consulting, LLC Authorized Onsite Soil Evaluator

#### Certification Statement

Date: 7/19/2005

Project number: 04070

County: Madison

Site Identification: J. Randolph Parks, Tr. Property, Lot B unified

Submitted by: Onsite Soil Consulting, LLC

This is to certify according to §32.1-12 and 32.1-164 of the *Code of Virginia* that work submitted for the referred property is in accordance to and complies with the *Sewage Handling and Disposal Regulations* of the Va. Department of Health. I recommend a subdivision approval be approved.

Name and title of evaluator: D. Vaughan Mairs, AOSE #182



Signature:

