

Onsite Soil Consulting, LLC

Authorized Onsite Soil Evaluator

Soil Evaluation Report**Project number:** 04070**Date:**

7/19/2005

Health Department:

Madison

Applicant:

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

Project name:

J. Randolph Parks, Tr. Property

Owner:**Lot:**

B

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: sideslopeSlope: 9%Depth to rock or impervious strata, in.: Yes maximum: _____ minimum: 56Depth to seasonal water table (gray mottling or color), in.: NoneFree water present: No Range in inches: _____Percolation rate estimated: YesTexture class: IIEstimated rate average at depth: 45Estimated rate slowest hole: 50Percolation test preformed: No

Number of percolation test holes: _____

Depth of percolation test holes: _____

Average percolation rate: _____

Comments:

backhoe evaluation

Name and title of evaluator:

D. Vaughan Mairs, AOSE #182
 1670 Merrifields Lane
 Ruckersville, Virginia 22968
 Tel: 434-973-0273, Fax: 434-964-1501



Abbreviated Drainfield Design

Estimated Perc. Rate, min./in.	45
Number of Bedrooms	4
Design Flow, gpd	600
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%

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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
- Deeper installation may be possible with backhoe review

Other considerations

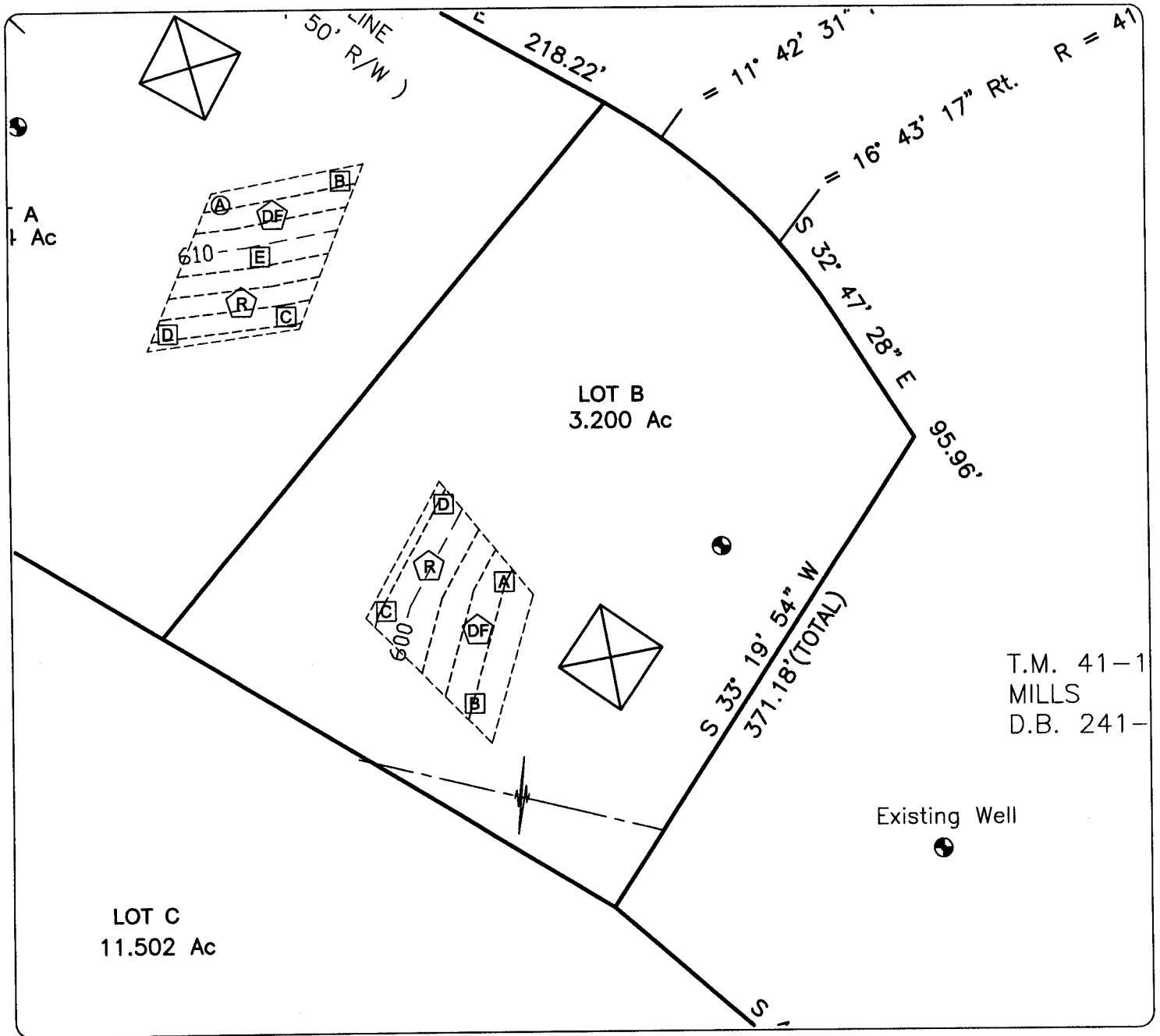
Onsite Soil Consulting, LLC

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



Scale: 1" = 100'



Legend

-  = House Site
-  = Bore Hole
-  = Test Pit
-  = Well, 3C
-  = Drainfield
-  = Reserve Drainfield
-  = Puraflo Drainfield
-  = Well, 3B

Onsite Soil Consulting, LLC
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**Soil Profile
Descriptions**

Date of evaluation 4/14/2005

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

Lot B

Site unified

Horizon	Depth	Description	Texture Class
Hole ID:A			Estimated rate, (min/in): 40@36 inches
Ap	0-4	reddish brown (5YR5/4) loam	II
BC	4-26	red (2.5YR4/6), brown (7.5YR5/4) fine sandy clay loam	II
CB	26-60	yellowish brown (10YR5/4), yellowish red (5YR5/6), strong brown (7.5YR5/6) fine sandy loam; few fine mica flakes	II
Hole ID:B			Estimated rate, (min/in): 50@36 inches
Ap	0-4	reddish brown (5YR5/4) loam	II
Bt	4-24	red (2.5YR4/6) clay loam; few fine mica flakes	III
CB	24-54	red (2.5YR5/6) fine sandy clay loam; few fine mica flakes	II
C	54-56	brown (7.5YR5/4) fine sandy loam; common fine mica flakes	II
Cr	56"+	paralithic saprolite	
Hole ID:C			Estimated rate, (min/in): 40@36 inches
Ap	0-6	reddish brown (5YR5/4) loam	II
BC	6-26	red (2.5YR4/6), brown (7.5YR5/4) fine sandy clay loam	II
CB	26-60	yellowish brown (10YR5/4), yellowish red (5YR5/6), strong brown (7.5YR5/6) fine sandy loam; few fine mica flakes	II
Hole ID:D			Estimated rate, (min/in): 45@36 inches
Ap	0-4	dark yellowish brown (10YR4/4) loam	II
BC	4-26	red (2.5YR4/6) light clay loam to fine sandy clay loam; few fine mica flakes	III
CB	26-56	red (2.5YR4/6), yellowish red (5YR5/6), strong brown (7.5YR5/6) loam; common fine mica flakes	II



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

COPY

Signature: _____

