

Onsite Soil Consulting, LLC

Authorized Onsite Soil Evaluator

## Soil Evaluation Report

**Project number:** 06001**Applicant:** James M. Fraser  
3905 Creekwood Place  
Earlsville, VA 22936  
434-825-5912**Owner:****Date:**  
8/21/2006**Health Department:**  
Orange**Project name:**  
"ASHLEYMARIE ESTATES" subd. of {TMP  
53-19}**Lot:**  
02**Site:**  
unified**Location:** The site is on the north side of US 33, across from Chestnut Grove Church, or about 0.8 miles east of Eheart.Position in Landscape: sideslopeSlope: 8%Depth to rock or impervious strata, in.: None maximum: \_\_\_\_\_ minimum: \_\_\_\_\_Depth to seasonal water table (gray mottling or color), in.: NoneFree water present: No Range in inches: \_\_\_\_\_Percolation rate estimated: YesTexture class: IIIEstimated rate average at depth: 65Estimated rate slowest hole: 70Percolation test performed: No

Number of percolation test holes: \_\_\_\_\_

Depth of percolation test holes: \_\_\_\_\_

Average percolation rate: \_\_\_\_\_

Comments:

hand auger 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.	65
Number of Bedrooms	3
Design Flow, gpd	490
Trench Length, ft.	100
Trench Width, ft.	3
Number of Trenches	12
On-Center Spacing, ft.	9
Usable Width of Area, ft.	102
Square Footage Required, sq. ft.	3247
Square Footage Available, sq. ft.	3600
Installation Depth, in.	48
Reserve Area Included in Design	100%

Project number	06001
Lot	02
Site	unified



**Other features**

- Primary and reserve areas included in this design
- 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**

The design flow will accommodate 4 bedrooms if a conditional (reduced flow) permit is recorded.

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Sketch of: page 3 of 5

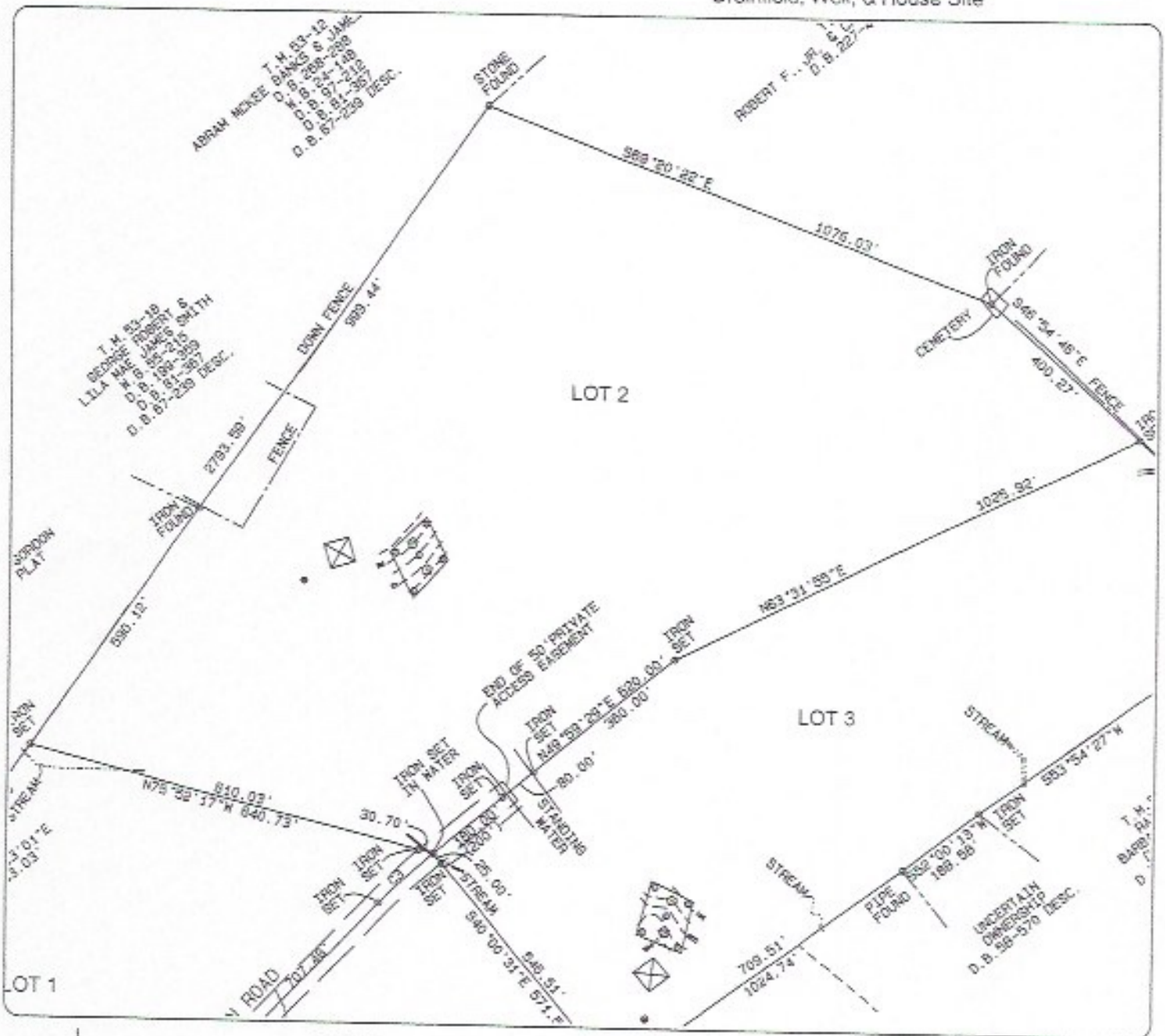
Lot 2

being a portion of

**Tax Map 53, Parcel 19**

showing proposed

Drainfield, Well, & House Site



### Legend

- |  |              |  |                      |
|--|--------------|--|----------------------|
|  | = House Site |  | = Drainfield         |
|  | = Bore Hole  |  | = Reserve Drainfield |
|  | = Test Pit   |  | = Puraflo Drainfield |
|  | = Well, IIIC |  | = Drip System        |
|  | = Well, IIIB |  |                      |



Scale: 1" = 300'

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Detail of:

**Lot 2**

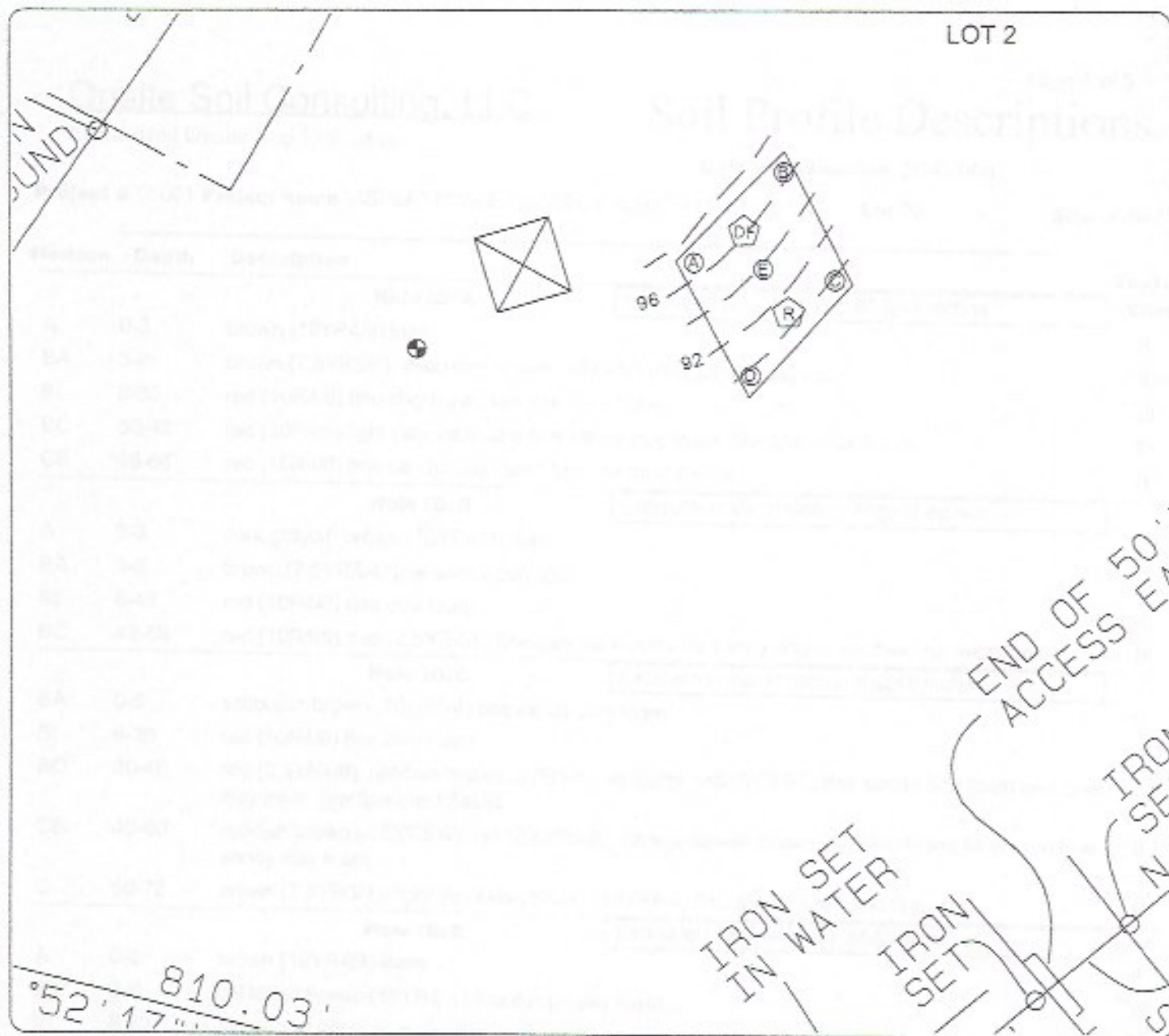
being a portion of

**Tax Map 53, Parcel 19**

showing proposed

Drainfield, Well, & House Site

LOT 2

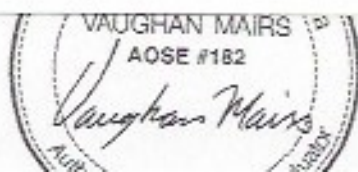


Scale: 1" = 100'



**Legend**

- = House Site
- = Bore Hole
- = Test Pit
- = Well, IIIC
- = Well, IIIB
- = Drainfield
- = Reserve Drainfield
- = Purfloc Drainfield
- = Drip System



# Certification Statement

Date: 8/21/2008

Project number: 06001

County: Orange

Site Identification: "ASHLEYMARIE ESTATES" subd. of (TMP 53-19), Lot 02 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: \_\_\_\_\_

