

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:**

03

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: shoulderSlope: 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: 55Estimated 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.	55
Number of Bedrooms	3
Design Flow, gpd	490
Trench Length, ft.	90
Trench Width, ft.	3
Number of Trenches	12
On-Center Spacing, ft.	9
Usable Width of Area, ft.	102
Square Footage Required, sq. ft.	2701
Square Footage Available, sq. ft.	3240
Installation Depth, in.	48
Reserve Area Included in Design	100%

Project number	06001
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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 3

being a portion of

Tax Map 53, Parcel 19

showing proposed

Drainfield, Well, & House Site



T 4



Legend

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

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Detail of:

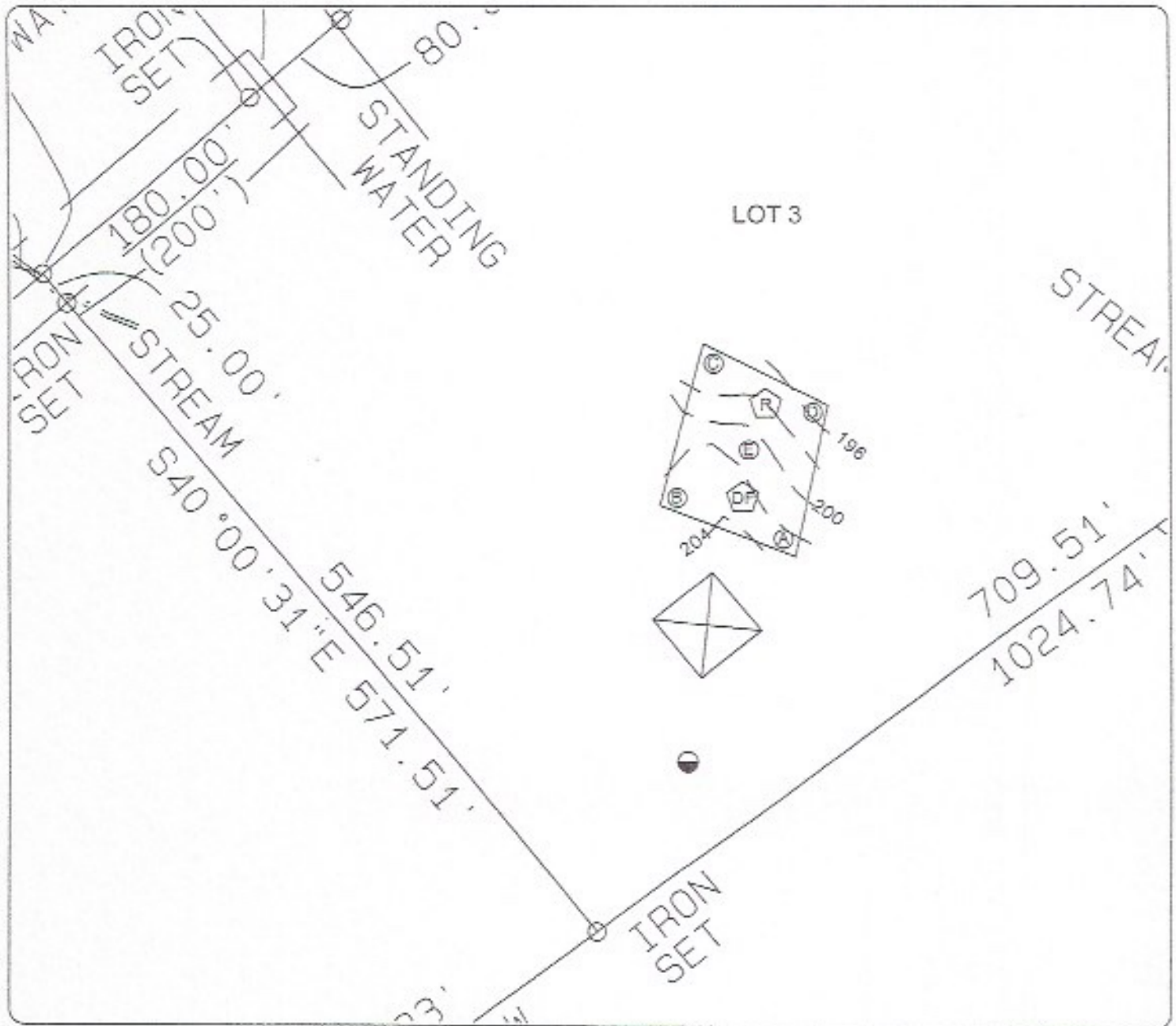
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Soil Profile Descriptions

Date of evaluation 2/14/2006

Project # 06001 Project name "ASHLEYMARIE ESTATES" subd. of {TMP 53-19}

Lot 03

Site unified

Horizon	Depth	Description	Texture Class
Hole ID: A			
Estimated rate, (min/in): 70@48 inches			
A	0-3	brown (10YR4/3) loam	II
BA	3-12	yellowish brown (10YR5/4) fine sandy clay loam	II
Bt	12-36	yellowish red (5YR5/6) light clay loam; few strong brown (7.5YR5/6) mottles	III
Bt2	36-66	red (2.5YR4/6) clay loam; few strong brown (7.5YR5/6) mottles	III
Hole ID: B			
Estimated rate, (min/in): 50@48 inches			
BA	0-6	brown (7.5YR5/4) fine sandy clay loam	II
Bt	6-30	red (2.5YR4/6) fine clay loam	III
BC	30-44	red (2.5YR4/6), reddish brown (5YR5/4) fine clay loam and fine sandy clay loam	III
C	44-72	yellowish brown (10YR5/4) fine loam to fine sandy clay loam	II
Hole ID: C			
Estimated rate, (min/in): 50@48 inches			
BA	0-10	brown (10YR5/3) fine sandy clay loam	II
Bt	10-28	yellowish red (5YR5/6) fine clay loam	III
CB	28-38	reddish brown (2.5YR4/4) fine sandy clay loam	II
C	38-72	brown (10YR5/3), brown (10YR4/3), light yellowish brown (2.5Y6/4) fine loam to silt loam	II
Hole ID: D			
Estimated rate, (min/in): 50@48 inches			
BA	0-6	yellowish brown (10YR5/4) fine sandy clay loam	II
Bt	6-26	yellowish red (5YR5/6) fine clay loam	III
BC	26-36	yellowish red (5YR5/6), strong brown (7.5YR5/6) fine clay loam and fine sandy clay loam	III
CB	36-48	strong brown (7.5YR5/8), yellowish brown (10YR5/4) fine sandy clay loam and fine loam	II
C	48-66	yellowish brown (10YR5/4) fine sandy loam	II
Hole ID: E			
Estimated rate, (min/in): 50@48 inches			
A	0-3	brown (10YR4/3) loam	II
BA	3-8	yellowish brown (10YR5/6) fine sandy clay loam	II
Bt	8-30	red (2.5YR4/6) fine clay loam	III
CB	30-42	red (2.5YR4/6), strong brown (7.5YR5/6) fine sandy clay loam and fine clay loam	II
C	42-72	yellowish brown (10YR5/4) fine loam to fine sandy loam	II



Certification Statement

Date: 8/21/2006

Project number: 06001

County: Orange

Site Identification: "ASHLEYMARIE ESTATES" subd. of {TMP 53-19}, Lot 03 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: _____

