

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:**
04**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: sideslope & shoulderSlope: 5-8%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 preformed: 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	4
Design Flow, gpd	600
Trench Length, ft.	85
Trench Width, ft.	3
Number of Trenches	14
On-Center Spacing, ft.	9
Usable Width of Area, ft.	120
Square Footage Required, sq. ft.	3307
Square Footage Available, sq. ft.	3570
Installation Depth, in.	42
Reserve Area Included in Design	100%

Project number	06001
Lot	04
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

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Sketch of: page 3 of 5

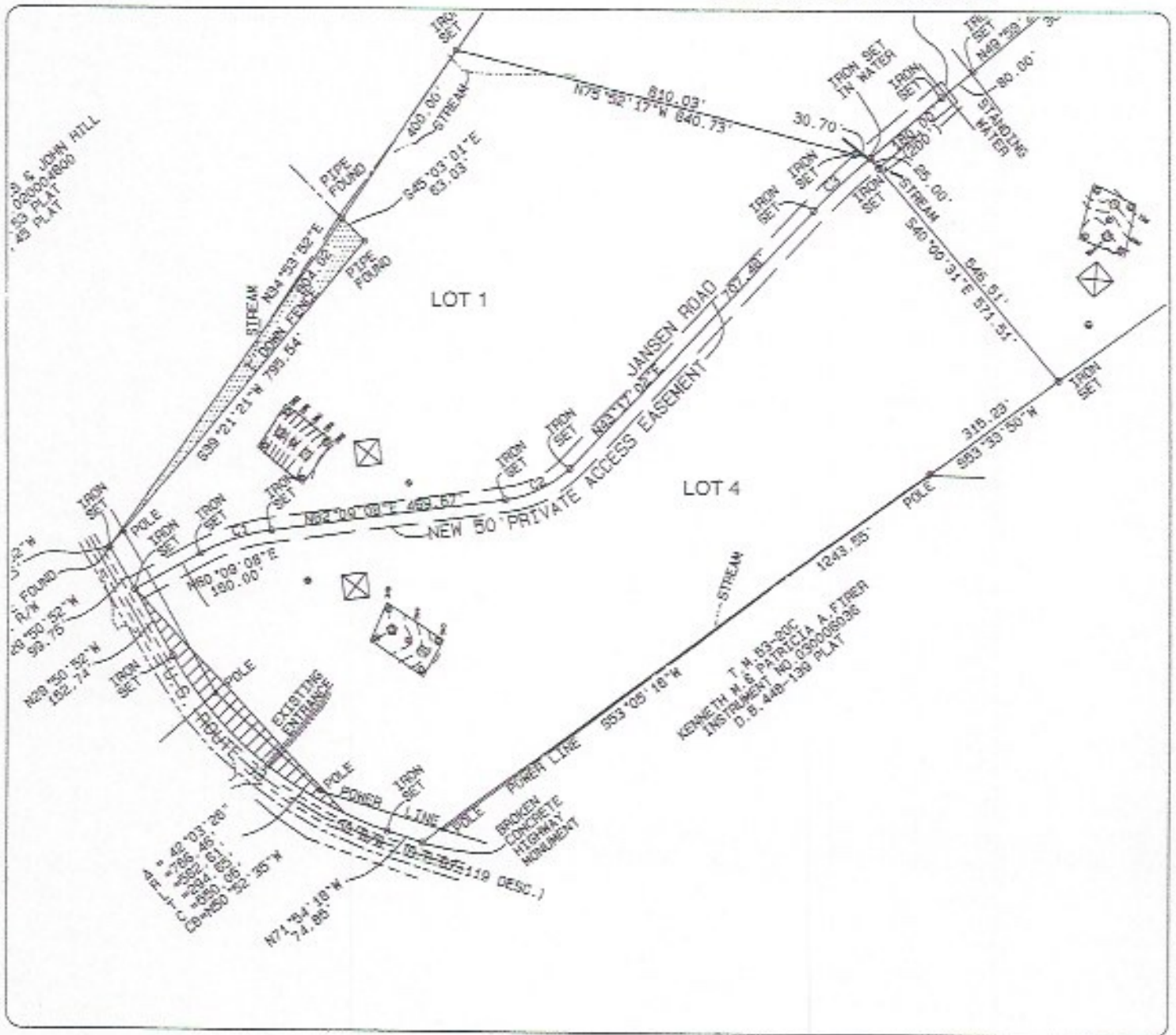
Lot 4

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		

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Detail of:

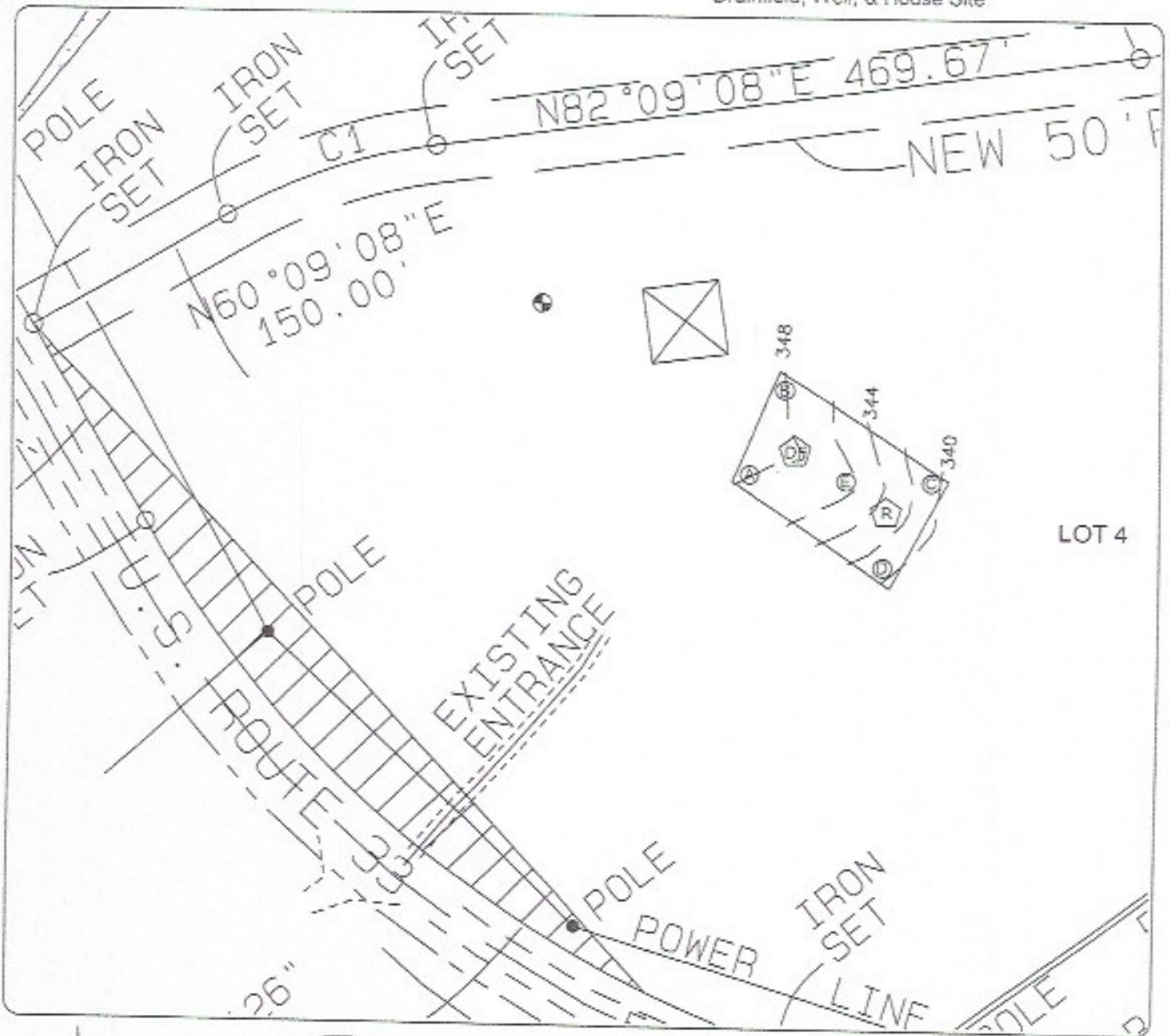
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LOT 4

Legend

-  = House Site
-  = Drainfield
-  = Bore Hole
-  = Reserve Drainfield
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Scale: 1" = 100'

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Soil Profile Descriptions

Date of evaluation 1/24/2006

Project # 06001 Project name "ASHLEYMARIE ESTATES" subd. of (TMP 53-19)

Lot 04

Site unified

Horizon	Depth	Description	Texture Class
Hole ID: A			
Estimated rate, (min/in): 70@42 inches			
A	0-3	dark yellowish brown (10YR4/4) loam	II
BA	3-12	light yellowish brown (10YR6/4) fine sandy clay loam	II
Bt	12-26	strong brown (7.5YR5/6) light clay loam	III
BC	26-48	strong brown (7.5YR5/8) light clay loam; few light yellow brown (10YR6/4) mottles	III
CB	48-60	yellowish brown (10YR5/4), strong brown (7.5YR5/6) fine sandy clay loam — few low chroma mottles due to parent	II
Hole ID: B			
Estimated rate, (min/in): 50@42 inches			
A	0-3	dark gray (10YR4/1) loam	II
BA	3-8	light yellowish brown (10YR6/4) light sandy clay loam	II
BC	8-24	strong brown (7.5YR5/6) light clay loam	III
CB	24-36	yellowish brown (10YR5/4), strong brown (7.5YR5/6) light clay loam and fine sandy clay loam; few fine mica flakes	III
C	36-60	yellowish brown (10YR5/4), strong brown (7.5YR5/6), light yellowish brown (10YR6/4) loam to fine sandy clay loam; few light clay loam tongues, few fine mica flakes	II
Hole ID: C			
Estimated rate, (min/in): 45@42 inches			
A	0-3	grayish brown (10YR5/2) loam	II
BA	3-8	yellowish brown (10YR5/4) light sandy clay loam	II
Bt	8-26	yellowish red (5YR5/6) clay loam	III
BC	26-36	yellowish red (5YR5/6), yellowish brown (10YR5/4) light clay loam and sandy clay loam	III
C	36-60	yellowish brown (10YR5/4), strong brown (7.5YR5/6) loam; few fine mica flakes, few light clay loam tongues	II
Hole ID: D			
Estimated rate, (min/in): 45@42 inches			
BA	0-8	yellowish brown (10YR5/4) light sandy clay loam	II
BC	8-24	yellowish red (5YR4/6), strong brown (7.5YR5/6) light clay loam	III
CB	24-36	strong brown (7.5YR5/6), yellowish brown (10YR5/4) fine sandy clay loam and loam; few fine mica flakes	II
C	36-66	light olive brown (2.5Y5/3) loam; few fine mica flakes — low chroma due to parent	II
Hole ID: E			
Estimated rate, (min/in): 45@42 inches			
A	0-3	brown (10YR4/3) loam	II
BA	3-8	brown (10YR5/3) light sandy clay loam	II
Bt	8-24	red (2.5YR4/6), yellowish red (5YR5/6) clay loam	III
BC	24-34	yellowish red (5YR5/6) light clay loam	III
C	34-60	yellowish brown (10YR5/4), yellowish red (5YR5/6) loam; few light clay loam tongues, few fine mica flakes	II



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