

Onsite Soil Consulting, LLC

Authorized Onsite Soil Evaluator

Soil Evaluation Report

Date:

8/21/2006

Health Department:

Orange

Project name:"ASHLEYMARIE ESTATES" subd. of {TMP
53-19}**Lot:**

04

Site:

unified

Project number: 06001**Applicant:** James M. Fraser
3905 Creekwood Place
Earlsville, VA 22936
434-825-5912**Owner:****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
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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

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Sketch of: page 3 of 5

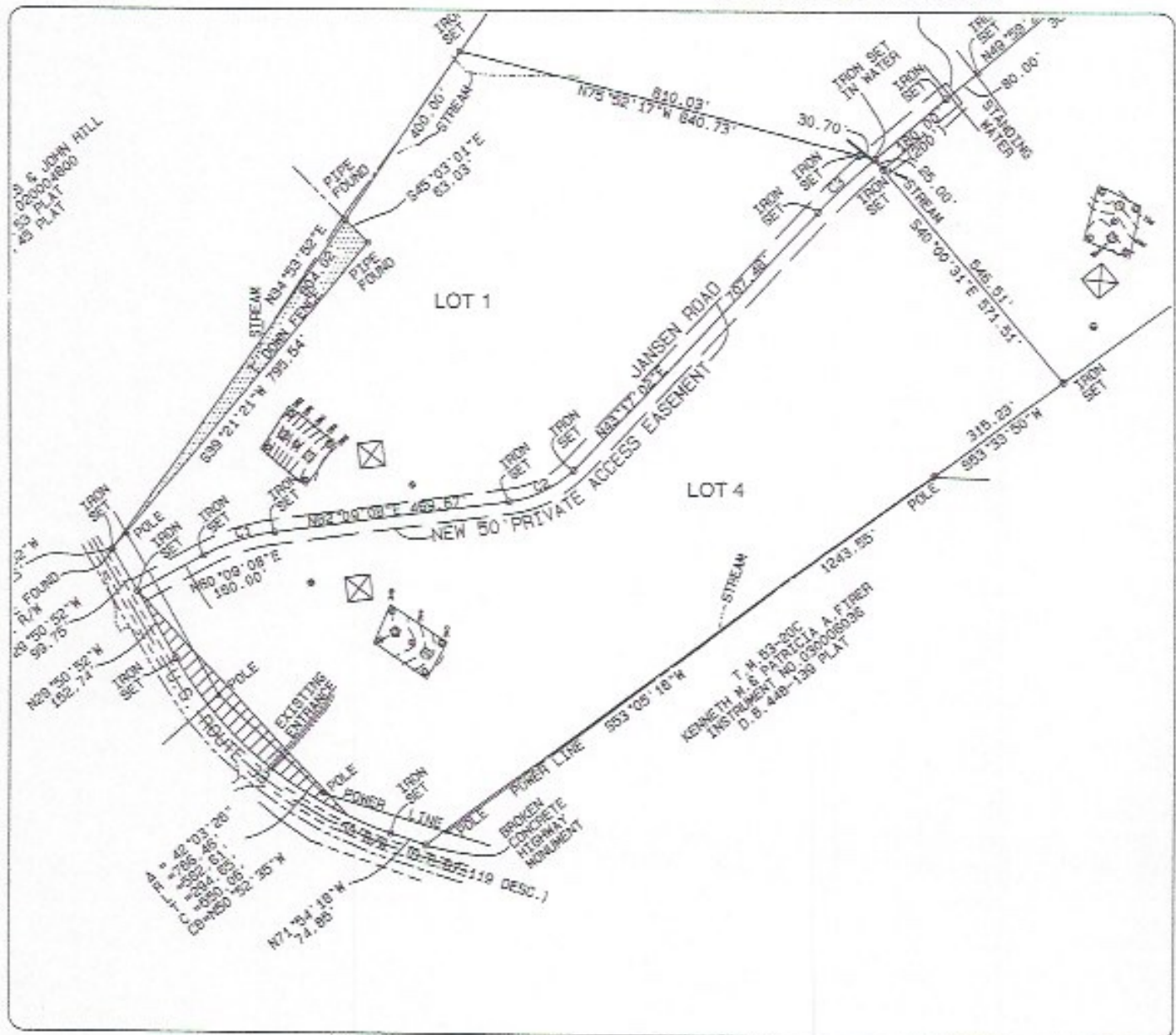
Lot 4

being a portion of

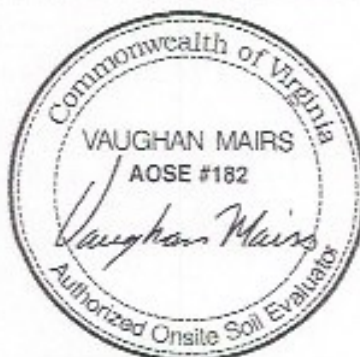
Tax Map 53, Parcel 19

showing proposed

Drainfield, Well, & House Site



Scale: 1" = 300'



Legend

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

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supplemental page

Detail of:

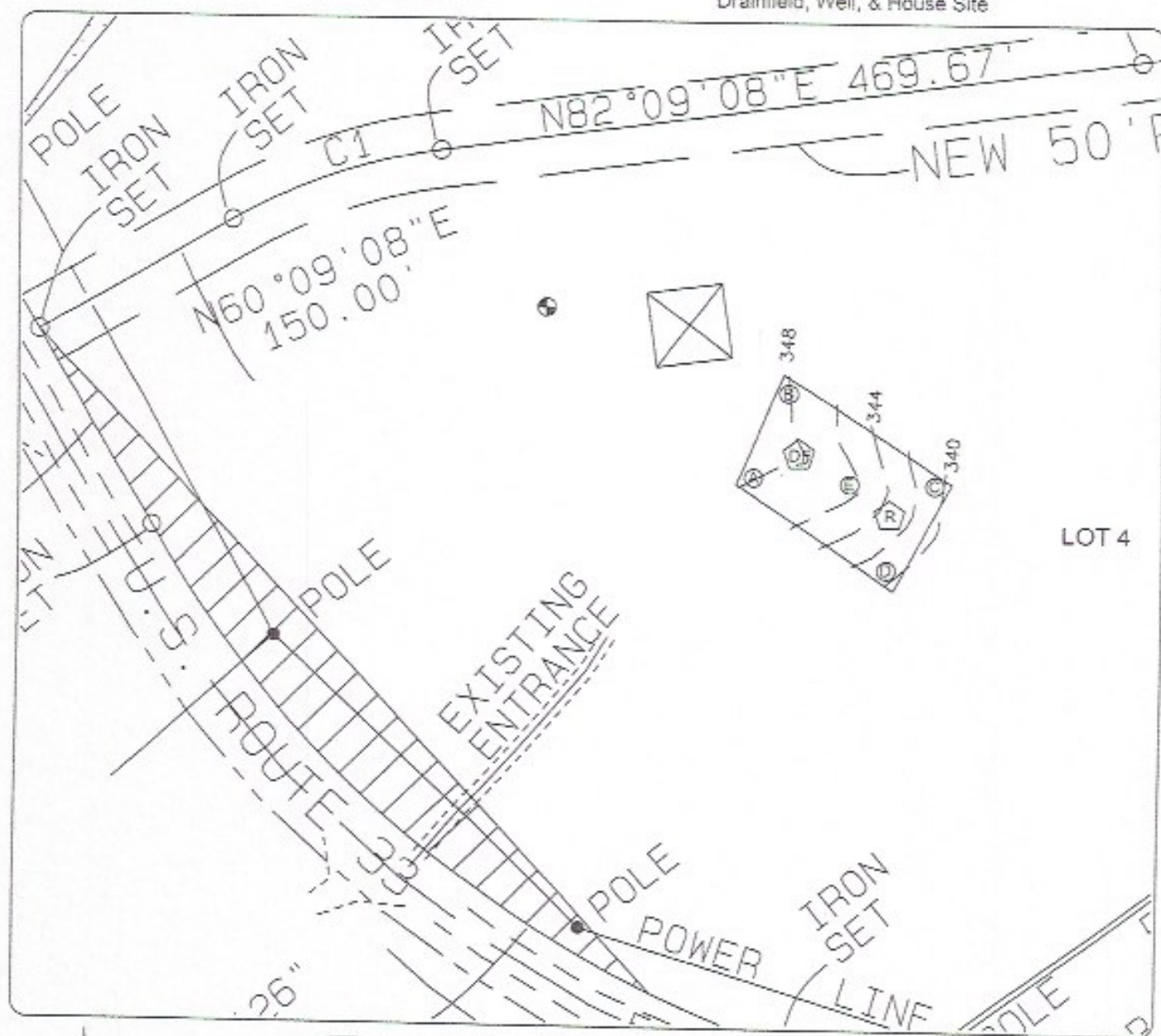
Lot 4

being a portion of

Tax Map 53, Parcel 19

showing proposed

Drainfield, Well, & House Site



Scale: 1" = 100'



Legend



= House Site



= Bore Hole



= Test Pit



= Well, IIIC



= Well, IIIB



= Drainfield



= Reserve Drainfield



= Puraflo Drainfield



= Drip System

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
Bl	12-26	strong brown (7.5YR5/6) light clay loam	III
BC	26-48	strong brown (7.5YR5/6) 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

