

ON-SITE SOILS, LLC.

Toll Free 1-888-878-1461

February 25, 2020

Jason Arne Custom Homes
369 Pine Bluff Way
Troy, MO 63379

Telephone: 636-734-2524

RE: Soil Evaluation Report
Project Number: **20-M070**

Dear Client:

Please consider this letter and attachments as a Soil Evaluation Report for the following property:

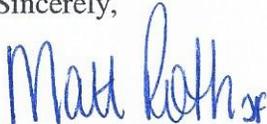
Lot 1 Callaway Ridge Drive
New Construction
3 Bedrooms
St. Charles County, Missouri

The following are additional comments concerning your future on-site treatment system:

- 1) The area represented by each sample site is defined by landscape position.
- 2) Overland water flow and runoff water from roofs needs to be diverted away from the absorption field.
- 3) Do not disturb absorption field prior to system installation.
- 4) The treatment system should be installed by a registered installer.
- 5) Installation should be done when soil conditions are dry.
- 6) Consult with your administrative authority.

The soil information contained in this report is intended to assist the administrative authority in their evaluation of your property for an on-site treatment system. Any other conclusions or interpretations will be outside the scope of this report. On-Site Soils does not represent nor warrant the operation or functionality of any installed system.

Sincerely,



Matthew W. Roth
Soil Scientist

Client copy
County copy

DHSS Registration #10039

701-D Crown Industrial Court
Chesterfield, MO 63005

**Soil Evaluation Report
 Lot 1 Callaway Ridge Drive
 St. Charles County, Missouri**

Project No.20-M070
 February 25, 2020

Type of Sample: **Backhoe Soil Pit**

Site 1 Detailed Soil Description

Depth (in.)	Munsell Color (1)		Texture (2)		Structure (2)	Consistence (2)	Application Rate (gpd/sq.ft.)(3)		Soil Group (3)
	Matrix	Abundance/ Mottles & Coatings	Approx. percent Clay	Classification	grade size Type	Moist	Low Pressure Pipe System	Conventional System	
0 - 3	10YR4/3 brown	none noted	24	SILT LOAM	2fsbk moderate fine Subangular blocky	Firm	0.25	0.5	III
3 - 7	10YR5/3 brown	none noted	26	SILT LOAM	2fsbk moderate fine Subangular blocky	Firm	0.25	0.5	III
7 - 16	10YR5/6 yellowish brown	none noted	34	SILTY CLAY LOAM	2fsbk moderate fine Subangular blocky	Firm	0.15	0.3	III
16 - 35	10YR5/4 yellowish brown	common 10YR5/2 grayish brown	46	SILTY CLAY	2fsbk moderate fine Subangular blocky	Firm	Not Suitable	Not Suitable	IVb
35 - 55	10YR5/4 yellowish brown	common 10YR5/2 grayish brown	34	SILTY CLAY LOAM	2csbk moderate coarse Subangular blocky	Firm	0.15	0.3	III

Slope percent: 3%

Landscape position: *Shoulder*

Bedrock greater than 55 inches

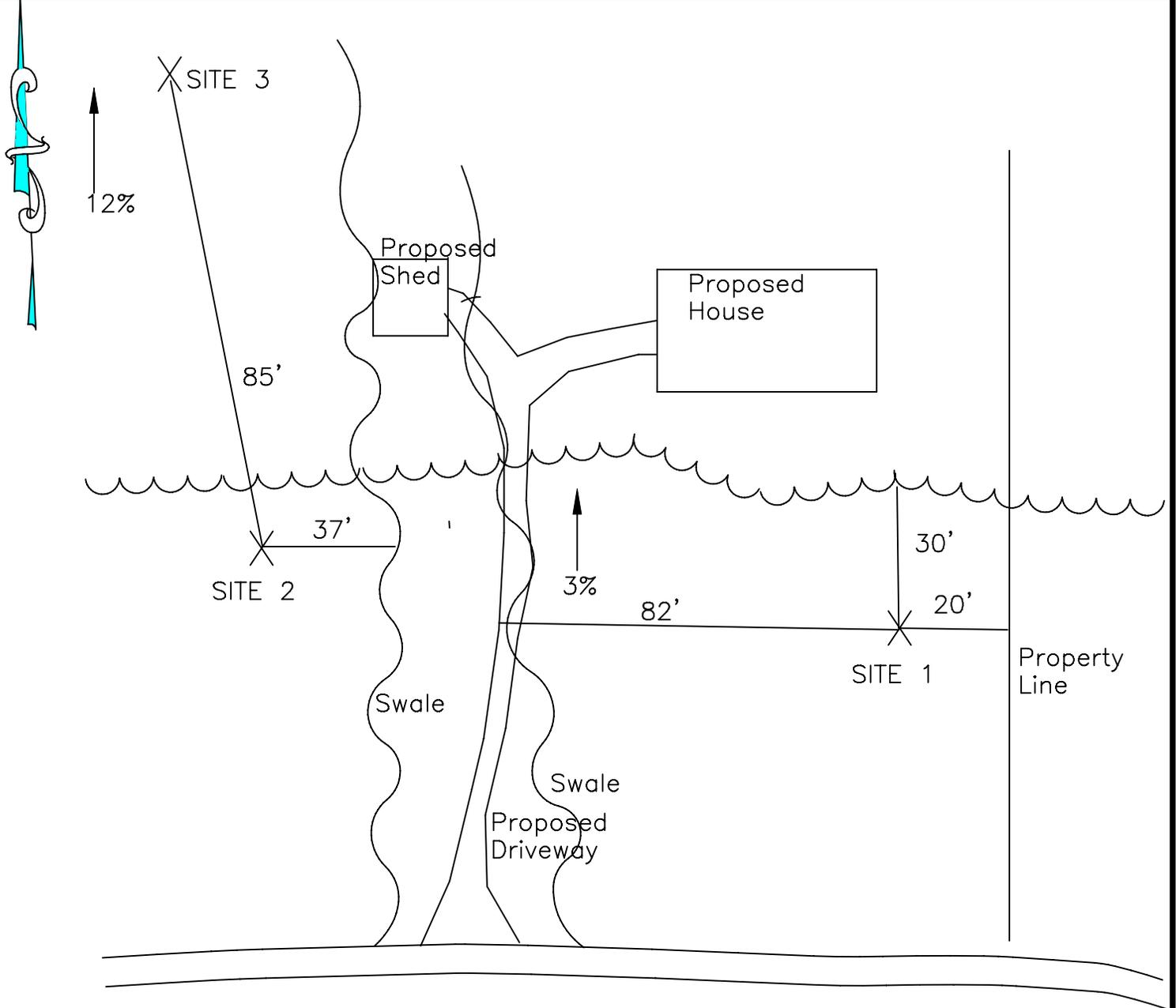
Seasonal high water @ 16 inches

Drainage Classification: *Moderately well*

(1) Soil color designations, Munsell Soil Color Charts, (1994).

(2) Soil texture and structure designation, Soil Survey Manual, (1993).

(3) MO Laws accompanied by DHSS Rules, Table 13 & 14, (Oct. 1995). Refer to local & State code for drip system rates



LEGEND

X=Soil Sample Location
 %=Slope in percent & Direction of Slope

NOTES

Distances approximated.

SCALE: NONE

ON-SITE SOILS

Lot 1 Callaway Ridge Dr.
 Site Map

St. Charles County, Missouri

Project # 20-M070

February 2020

DRW'N BY MWR CHK'D BY

Lot 1 Callaway Ridge Dr.
St. Charles County, MO
Project # 20-M070



Photo 1. Overview of Site 1, facing north.



Photo 2. Overview of Site 1, facing south.