

ON-SITE SOILS, Inc.

Toll Free 1-888-878-1461

April 30, 2015

King Septic & Engineering Service
8739 Byrnesville Road
Cedar Hill, MO 63016

Telephone: 314-973-0377

RE: Soil Evaluation Report
Project Number: **15-J073**

Dear Client:

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

580 N. Service Road (St. Peters, MO)
Repair
Commercial
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,



John H. Bauer
Soil Scientist
Certified Soil Scientist #1016
DHSS Registration #10001

Client copy
County copy

Soil Evaluation Report
580 N. Service Road (St. Peters, MO)
St. Charles County, Missouri

Project No.15-J073
 April 30, 2015

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 - 14	10YR4/3 brown	none noted	16	SILT LOAM	2msbk moderate medium Subangular blocky	Friable	0.25	0.5	III
14 - 48	10YR 4/6 dark yellowish brown	none noted	16	SILT LOAM	2cabk moderate coarse Angular blocky	Friable	0.25	0.5	III

Slope percent: *0%* **Seasonal high water @** *none noted*
Landscape position: *Stream Terrace* **Drainage Classification:** *Well*
Bedrock greater than *48* **inches**

- (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

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Site 2 Detailed Soil Description

Slope percent:	6%	Seasonal high water @	<i>none noted</i>
Landscape position:	<i>Stream Terrace</i>	Drainage Classification:	<i>Well</i>
Bedrock greater than	48 inches		

- Saint Peters, MO 63304-7458

Soil Evaluation Report
580 N. Service Road (St. Peters, MO)
St. Charles County, Missouri

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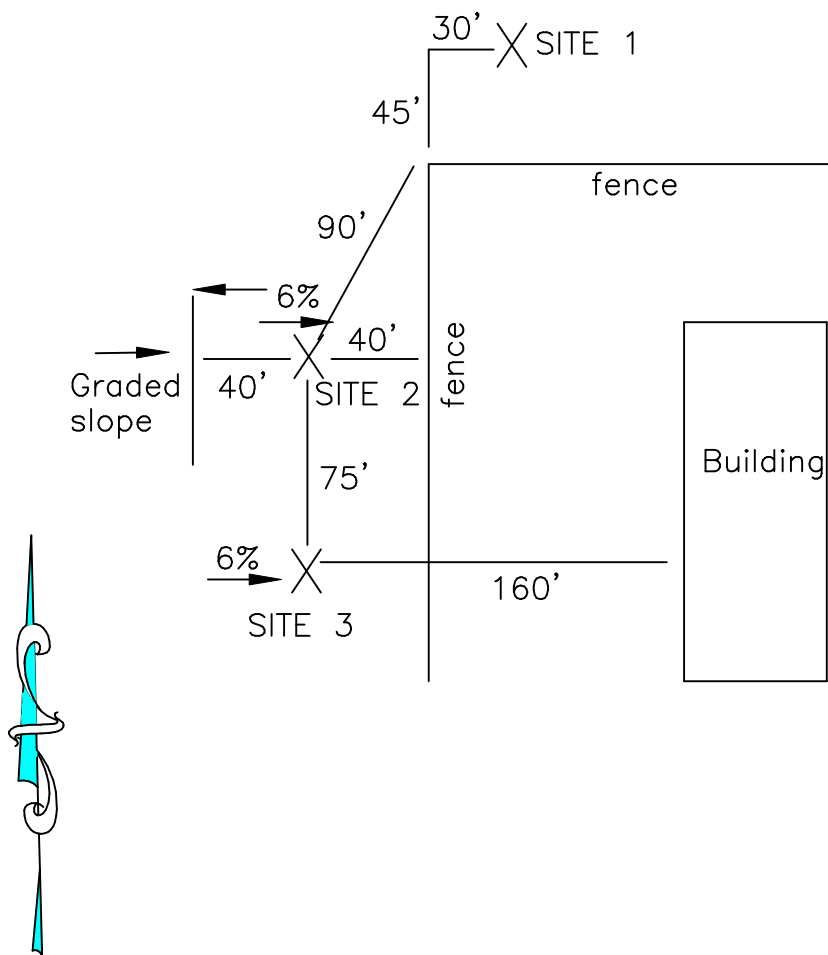
Type of Sample: **Backhoe Soil Pit**

Site 3 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 - 10	10YR4/4 dark yellowish brown	none noted	16	SILT LOAM	2mabk moderate medium Angular blocky	Firm	0.2	0.4	III
10 - 23	10YR4/4 dark yellowish brown	w/hailed in gravel	16	SILT LOAM	2cabk moderate coarse Angular blocky	Very Firm	NOT RATED due to compaction. Refer to (**1) below.	NOT RATED due to compaction Refer to (**2) below.	III
23 - 48	10YR4/4 dark yellowish brown	none noted	16	SILT LOAM	2msbk moderate medium Subangular blocky	Friable	0.25	0.5	III
(**1) LPP system. If mechanically altered use 0.2 to 0.1 depending on degree soil is altered.									
(**2) Conventional system. If mechanically altered use 0.4 to 0.2 depending on degree soil is altered.									

Slope percent: *6%* **Seasonal high water @** *none noted*
Landscape position: *Stream Terrace* **Drainage Classification:** *Well*
Bedrock greater than *48* **inches**

- (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

580 N Service Rd (St. Peters, MO)

SITE PLAN

St. Charles County, Missouri

Project No. 15-J073

April 2015

DRW'N BY

JHB

CHK'D BY

580 N Service Rd (St. Peters, MO)
St. Charles County, Missouri
Project No. 15-J073



PHOTO # 1 Overview of Site 2 & far Site 3 (Backhoe) near east/west fence looking south.



PHOTO # 2 Overview of Site 2 from Site 3 (Backhoe) looking north.