

SITE/SOIL EVALUATION FOR ON-SITE WASTEWATER DISPOSAL SYSTEM

CLEAR FORM

Owner/Contractor Name: Noble Land Partners, LLC Date Evaluated: 9/2/26

Mailing Address: 5540 Centerview Drive Ste.200 No.289 Raleigh, NC 27606 Evaluated by: Denny Mayne

Legal Description of Property: S 1/4 E 1/2 E 1/2 SW SW SW

Location of Site: Lawrence 2180 Mt. Vernon Mo 65712 County: Lawrence

Type of Occupancy: No. Residential Bedrooms 3 Commercial

Recommended System: Standard LPP Other

Flow: 360 g/d (120 g per bedroom or as calculated below) Soil Pit No. 1

Loading Rate: 4 g/d/sq. ft. Water Supply: Private X Public

Minimum Absorption Area: 900 sq. LPP linear length: ft.

ft. Minimum Tank Capacity: 1080 Pumping tank: g.

Calculations for Multiple Family Housing or Commercial Systems:

Parcel ID: 137025000000010001



I, the undersigned, hereby certify that the site evaluation was made in accordance with the applicable authority. The recorded data is correct to the best of my knowledge.

Name: Denny Mayne # 10125

Company: Mayne Soil Consulting
Address: 20126 Lawrence 1165 Verona, Mo
Phone: 417 229-7878
Signature: Dennis Mayne

Date of site observations: 9/2/26 Test Pit No. 1

Site Suitability Rating: Suitable (S) Provisionally S (PS) X Unsuitable (U)

Factors affecting suitable rating and subsequent recommendations:

Slope Percentage: 6 % [x] Laterals need to follow contour of land

Landscape Position: Backslope

[] Surface water flow (drainageway; from upslope) needs to be diverted away from absorption field.

[] An interceptor drain is needed upslope from the soil absorption system to remove excess water moving laterally through the soil during wet periods. Interceptor drain should be at a minimum depth of inches for a (curtain; vertical) drain.

Depth to Seasonal High Water Table (SHWT): N " Perched Apparent

Depth to Restrictive Horizon " [] Fragipan [] Clay pan [] Bedrock []

Depth of Texture Group 1 " 2 " 3 0-26 " 4a " 4b " 5 26-48 "

Depth of > 35% clays 31" " >50% rock fragments -- " Depth of massive structure -- "

Recommended trench depth 18" " Excavation depth 48" " Soil depth >48 "

Available Space: Adequate X Limited to proper design Unsuitable

Abnormally high groundwater contamination potential: yes no . **Due to sinkhole** .
Rapid Permeability . **Depth to Highly Permeable Bedrock** . **Bottomland Position**

Additional Recommendations

General Recommendations: The absorption field should be placed over as wide an area of the landscape as possible.

******WARNING******

1. Absorption field shall be protected from disturbance before and after installation (i.e. protected from excavation, fill material, traffic compaction, etc.)
2. Absorption field shall not be positioned directly upslope of home.
3. Drainage water from house guttering and subsurface foundation drains shall be directed away from absorption field.

***Requirements and recommendations provided do not give any guarantee that the absorption field system will function properly. They are provided solely to assist in meeting the specifications of the applicable standards as adopted and modified by the administrative authority.**

(1) PROFILE DESCRIPTION

Location: Lawrence 2180 Mt. Vernon Mo 65712

Date: 9/2/26

Pit No. 1 Excavation Depth: 48 Soil Type: _____ Description By: Denny Mayne

Parent Material: Coluvium/ Residuum Clay Type: Non-expanding Vegetative cover: Hardwood Timber

Horizon	Depth In.	Texture (USDA) (2)	Total % Chert	%>3" (3)	Consistence (4)	Structure (5)	Roots (6)	Pores & Misc. (6)	Color Munsell Notation (7)	Color Munsell Descriptive
0	0-2								10yr 4/2	
A	2-9	sil 12%	20	5	fr	2fgr	F/M/C	F/M/C	10yr 5/3	
E	9-18	sil 18%	30	10	fr	1fsbk	F/M/C	F/M/C	10yr 6/3	
Bt1	18-26	sil 26%	35	20	fr	1fsbk	F/M	F/M	7.5 6/4	
Bt2	26-31	sicl 32%	45	20	fi	2msbk	F	F	10yr 5/4 40%	10yr 6/3 40% 5yr 4/6 20%
2Bt3	31-48	c 58%	40	30	fi	2fabk	F	F	2.5yr 3/6	

Comments:

1. Descriptions made in accordance with soil survey manual guideline.
2. s-sand, ls- loamy sand, sl-sandy loam, l-loam, sil-silt loam, si-silt, sci-sandy clay loam, cl-clay loam *, sicl-silty clay loam *, sc-sandy clay, sic-silty clay, c-clay
*Designate if estimated clay content >35%
3. Percent by volume of total horizon occupied by chert >3" diameter.
4. Use wet conditions. Ss-slightly sticky, s-sticky, vs-very sticky, sp-slightly plastic, p-plastic, vp-very plastic.
5. Record grade and shape, 1-weak, 2-moderate, 3- strong: sg-single grain, gr-granular, abk-subangular blocky, abk-angular blocky, pr-prismatic, m-massive, pl-platy
6. F-few, c-common, m-many, f-fine and/or very fine, m-medium, c-coarse.
7. Color descriptions made with moist broken samples. Record quantity of mottles (mot).