



## *Glacier's Edge* Soil Consulting

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July 16, 2024

TO: Kevin Presnell c/o Farm Flex Capital  
PO Box 123  
Morgantown, IN 46160

RE: Property development – Highway 56 near Patriot Switzerland County, IN

Dear Kevin;

Thank you for the opportunity to help you out with this project. I hope that this preliminary information is sufficient to aide better informed decisions on the potential development of this property.

Small backhoe pits were utilized on the smaller river front lots. Rock fragments hindered utilizing hand tools in most of these sites. Joe Parham, septic installer, dug the pits and believed sand lined systems would be suitable for most of the lots. One to two borings were conducted in the other proposed lots and those locations are marked approximately on the attached map. These locations were chosen to represent areas most likely for home placement and my knowledge of the soil formation processes in the area that are most conducive to septic system installation. Soils were evaluated for their potential feasibility of the installation of an onsite septic system. Full site evaluation for the actual septic system will need to be conducted at the request of the homeowners prior to construction. Depending on conditions, at that time, could allow for a more thorough evaluation of the site and the potential for better suited areas for system installation. The Switzerland County Department of Health will be the party responsible for assigning the actual system requirements of each site at that time.

The summary of the lot evaluations is as follows:

Lots 1 through 9 are the smaller river front lots. These sites are limited in space and topography. Sand lined systems would be best suited to these sites. Care will need to be taken during construction to ensure these sites are not disturbed as there are few alternatives for system placement. These soils are also prone to shrink/swell, slippage and landslides. High shrink/swell is considered limiting layers for septic design. These soils are similar to the Pate series.

Lot 10's site is located behind the block shop and has soils similar to the Bloomfield series. While somewhat limited in space, the soils are excellent for the installation of a septic system.

Lots 11 through 13 would require a more elaborate system due to the depths to the heavy clay and shrink/swell limiting layers. Elevated sand lined systems could possibly be the recommendation of the local health department. Keeping the system locations as high as possible on the hillside will increase the depth of suitable materials above the heavy clays. These areas were most similar to the Switzerland series.

I hope that you find this information useful. Should you have any questions or need further assistance please get in touch!

Sincerely,  
*Dena*

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