



HD Engineering & Design

Solutions for all your engineering and design needs

6/11/2024

Walker Custom Homes

**Re: 3929 SW FLINTLOCK DR
LEES SUMMIT, MO (PERMIT NUMBER)**

At your request our firm visited the location listed above to evaluate the soil bearing for the proposed structure. At the time of our inspection the site was at proposed sub-grade.

OBSERVATIONS

- The site terminates on 2 elevations.
- The site has undocumented fill throughout the site.
- The site is not capable of supporting the proposed structure.

RECOMMENDATIONS

Our firm recommends placing the proposed foundation on drilled cast-in-place concrete piers. The 18" diameter piers are to terminate on limestone, shale, or sandstone. The piers are to be kept dry and free of debris prior to placement of concrete. The piers are to be inspected by HD Engineering prior to placement of concrete. Our firm can provide a pier plan upon your request.

This report does not constitute a geotechnical investigation of the site. Our firm is verifying the surface bearing of the excavation at the time of our site visit. This report is not an evaluation of environmental, ground water or global stability concerns which should be addressed by a geotechnical firm, if required for the site. This is not a guarantee or endorsement of the future performance of the soils present on the site.

This report has been prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted engineering practices. No warranties, either express or implied, are intended or made.

We appreciate the opportunity to be of service to you on this project. If you have any questions regarding this report, please contact us.

Very truly yours,
HD ENGINEERING & DESIGN, INC.

John Hulse, Principal



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STRUCTURAL REVIEW
HD ENGINEERING & DESIGN
HD: 47787 DATE: 6/17/2024