



**ENTECH**  
ENGINEERING, INC.

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April 7, 2020

FLRD #2  
6385 Corporate Drive, Suite 200  
Colorado Springs, CO 80919

Attn: Jim Boulton

Re: Excavation Observation – Retaining Wall  
Mesa Top Drive  
Forest Lakes Residential Development, Filing #2  
Colorado Springs, Colorado

Dear Mr. Boulton:

Personnel of Entech Engineering, Inc. have observed the excavation for a retaining wall at the site referenced above. The specific findings for this site are presented in this letter.

A Subsurface Soil Investigation was performed at the above-referenced location by Entech Engineering, Inc. The results are presented in our Subsurface Soil Investigation dated April 13, 2018, Entech Job No. 180465.

The following recommendations are based on conditions observed on April 6, 2020. Entech Engineering, Inc. should be notified if any changes in conditions are encountered or if the excavation depth or location should change.

Soil types observed in the foundation excavation were found to consist of medium to coarse grained silty gravelly sand and sandstone. An allowable bearing capacity on the order of 2800 psf is recommended for the weathered sandstone and the sand. An equivalent hydrostatic fluid pressure (in the active state) of 45 pcf is recommended for this site.

The retaining wall should be constructed according to the design by Entech Engineering, Inc. using the parameters above. Reinforcing should be placed according to the design by Entech.

Recommendations regarding surface drainage, subdrains, concrete, slabs, etc. contained in the Subsurface Soil Investigation performed by Entech Engineering, Inc. remain valid and should be followed.

We trust that this has provided you with the information you required. If you have any questions or need additional information, please do not hesitate to contact us.

Respectfully Submitted,

ENTECH ENGINEERING, INC.

Daniel P. Stegman

JM/jm

Encl.

Entech Job No. 192273

AA Projects/2019/192273 - excav ret wall Mesa Top Dr

Reviewed by:

Jeffery A. Murray, P.E.

