



August 7, 2019 Revised

DFCM - State of Utah  
4130 State Office Building  
Salt Lake City, UT 84114

Attention: Clint Bunnell  
EMAIL: cbunnell@utah.gov

Subject: Geotechnical Report Update  
Proposed UVU GT Midzone Remodel  
Gunther Trades Building  
Utah Valley University  
Orem, Utah  
Project No. 1190620

Mr. Bunnell:

Applied Geotechnical Engineering Consultants, Inc. was requested to provide an update to the geotechnical study for the Performing Arts Center located on the Utah Valley University campus in Orem, Utah. The report is planned to provide geotechnical information for the proposed UVU GT Midzone Remodel at the Gunther Trades building, which is connected to the Noorda Center for the Performing Arts building. We performed a geotechnical investigation for the performing arts building and submitted our findings and recommendations in a report dated November 12, 2015 under Project No. 1150793.

#### **SITE CONDITIONS**

We reviewed an aerial image of the site dated June 9, 2019. The Gunther Trades building is in the area of the proposed addition and remodel. The building is a multi-level structure. We anticipate there has been some cut and fill that was done to accommodate the building construction.

The general slope of the ground in the area is down to the west.

#### **PROPOSED CONSTRUCTION**

We understand the new columns will have maximum column loads of approximately 5.5 kips.

## RECOMMENDATIONS

We understand the 2015 International Building Code is being used as the basis for design. The seismic parameters for the 2012 and 2015 International Building Codes are the same. The geotechnical recommendations provided in the above-referenced geotechnical report may be used in design for the currently proposed building modifications.

The original geotechnical report was for the Performing Arts Center and not the Gunther Trades building. A representative of the AGEC should observe foundation excavations prior to fill or concrete placement.

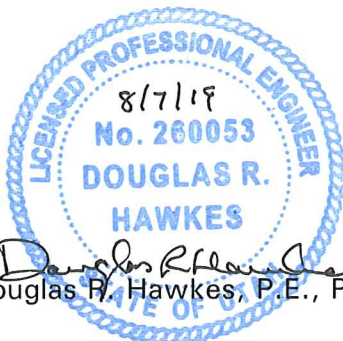
## LIMITATIONS

This letter has been prepared in accordance with generally accepted soil and foundation engineering practices in the area. The conclusions and recommendations included in this letter are based on the information obtained from the borings drilled and cone penetration test soundings obtained at the approximate locations indicated in the report, the results of laboratory tests and our experience in the area. Variations in the subsurface conditions may not become evident until additional exploration or excavation is conducted. If the subsurface conditions, proposed construction or groundwater level is found to be significantly different from what is described in the report, we should be notified to reevaluate the recommendations given.

If you have questions or if we can be of further service, please call.

Sincerely,

APPLIED GEOTECHNICAL ENGINEERING CONSULTANTS, INC.



Douglas R. Hawkes, P.E., P.G.

Reviewed by JRM, P.E.

DRH/bw