

May 1st, 2017

Ms. Elaine Lewis
Michael Roth and Associates
200 S. Hanley Road #1105
St. Louis, Missouri 63105

RE: Geotechnical Report Addendum #1:
Additional Foundation Design Criteria
VA Inpatient Mental Health Building
Fayetteville, Arkansas
MCE Job # FY172108

Dear Ms. Lewis:

On Monday April 24th, 2017, a representative with IMEG Corp. contacted MCE regarding anticipated column loading for the planned Inpatient Mental Health Building. The project Geotechnical Report dated April 13th, 2017 anticipated maximum column loads of 30 kips based on previously-provided information regarding construction scope for the new building. On Wednesday April 26th, a phone conversation occurred between MCE, IMEG Corp., and Michael Roth and Associates. During this conversations, MCE was informed by IMEG Corp. that, due to the incorporation of the future second floor support, maximum loads are anticipated in the order of 150 kips and may increase based on potential final design changes. The following information is presented as Addendum #1 to the project Geotechnical Report and provides documentation of our recommendations as discussed during the phone conversation. The "Area" references in the following paragraphs are relevant to the Structural Documents 30% Progress Submittal which was provided on April 26th, 2017.

The project Geotechnical Report recommends shallow foundation net allowable bearing capacities of 2,000 pounds per square foot (psf) for continuous foundations and 2,500 psf for spread or individual foundations. The recommended bearing capacities are with the anticipation of foundations being placed on suitable bearing conditions in stable Stratum II soils.

In Area A (the patient rooms and nurse's station), the current structural design is understood to include column loads of up to 150 kips. These loads provided that the bearing pressures imposed on the column foundations do not exceed 2,500 psf. Additionally, the bottom-of-foundation elevations should be held within two (2) to three (3) feet below existing ground/pavement elevations.

In Area B (which includes offices, examination rooms, mechanical space, and other administrative rooms), planned cuts in the order of five (5) to six (6) feet are anticipated. Due to a low strength zone encountered by Boring B-6, it is recommended that column loads in this area should be a maximum of 100 kips and corresponding bearing pressures imposed on foundations should be in the order of 2,000 psf. A foundation bearing elevation of 1465.3 or higher should be maintained, provided that the design finish-floor elevation remains at 1467.3 as currently planned.

Exceeding the design recommendations and restrictions provided by this document may require the use of deep foundation systems and/or additional report addendums.

We appreciate the opportunity to be of assistance to you on this project. If you have any questions about the observations and recommendations contained in this report, please contact us.

Sincerely,

McCLELLAND CONSULTING ENGINEERS, INC.



Steven J. Head, PE
Geotechnical Engineer