

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

October 9, 2018
Project No. 106088027

Ms. Diane Malone, AIA, LEED AP
Palomar College
1140 West Mission Road
San Marcos, California 92069

Subject: Geotechnical Pre-Bid Response
New Storage Buildings
Palomar College
1140 West Mission Road
San Marcos, California

Dear Ms. Malone:

In accordance with your request and authorization, we have prepared this response letter regarding our geotechnical report dated July 18, 2014. Specifically, this letter provides the following responses.

- Regarding Sheets C3.0 and C3.1, Grading and Utility plan, underlying materials that will be encountered in excavations for new utilities will encounter granitic rock materials. Due to the presence of massive granite rock/corestone as observed in outcrops at the site, difficult excavation should be anticipated. For excavations planned in granitic rock, difficult ripping, the use of rock breakers, a rock wheel, and/or blasting should be anticipated. We understand a 12,000 pound breaker has been utilized at this site during previous earthwork operations.
- The project geotechnical evaluation anticipated the construction of two structures. We understand that a third structure is currently proposed within the limits of our subsurface evaluation. We would anticipate the subsurface geotechnical conditions for the proposed third structure will be similar to the conditions described in the project geotechnical report.
- AC pavements should be constructed in accordance with Detail 1 on C1.1.

We appreciate the opportunity to be of service.

Respectfully submitted,
NINYO & MOORE



Todd C. Schmitz, PG, CEG
Senior Project Geologist



CAT/TCS/KHM

Attachment: References

Distribution: (1) Addressee (via e-mail)

REFERENCES

- HMC Architects, 2017, Specifications for Palomar College New Storage Buildings, 1140 W. Mission Rd, San Marcos, CA: dated October 18.
- Ninyo & Moore, 2009, Update Geotechnical Evaluation, Alternate Location for Proposed IT Building, Palomar Community College, San Marcos, California: Project No. 106088019: dated January 29.
- Ninyo & Moore, 2010, Update Geotechnical Evaluation, Proposed "T" Building Improvements, Palomar Community College, San Marcos, California: Project No. 106088027: dated June 29.
- Ninyo & Moore, 2014, Geotechnical Evaluation, Proposed Improvements Adjacent to the T-Building, Palomar College, San Marcos, California, Project No. 106088027: dated July 18.
- Ninyo & Moore, 2017a, Addendum to Geotechnical Evaluation, Proposed "T" Building Improvements, Palomar Community College, San Marcos, California, Project No. 106088027: dated July 11.
- Ninyo & Moore, 2017b, Geotechnical Plan Review, New Storage Buildings, 1140 West Mission Road, San Marcos, California, Project No. 106088027: dated October 18.