

March 28, 2018

Cornerstone Property Services
4360 E Brown Road, Suite 108
Mesa, AZ 85205

Attn: Mr. Bryson Bennett

Subject: Earth Fissure Mitigation Alternatives:
Preliminary Grading & Drainage Plan Review Comments
Aspire at Sun Valley
SWC East. Billings Street & North Sossaman Road
Mesa, Arizona
Geological Consultants Project No. 2017-144

Dear Mr. Bennett:

This letter is provided as followup to our conversation last week regarding the implementation of our recommended earth fissure mitigation measures included in your Preliminary Grading and Drainage Plans for the subject development. In our Task 2 report, we included several alternative recommendations for earth fissure mitigation that could be used for your site planning and development.

The earth fissure mitigation alternatives incorporated into the Aspire at Sun Valley site development plan can be considered, in our opinion, the preferred alternatives for earth fissure mitigation at this site. The implementation of the selected earth fissure mitigation alternatives at this site will remove the uncontrolled soil debris and rubble fill along the existing earth fissure and replace it with a controlled compacted earth fill with erosion protection and reinforcement within the earth fissure mitigation zone. Also, the placement of the internal access roadway on top of the earth fissure mitigation provides an additional level of mitigation against potential water infiltration into the earth fissure mitigation zone with the roadway subgrade reinforcement, grade, and runoff control along the mitigation zone alignment.

At your request, we reviewed your proposed design for the placement of the large underground tank retention design place within the roadway alignment relative to earth fissure mitigation. Based our review and your preliminary plan to implement additional earth fissure mitigation measures specific to the underground tank placement within the earth fissure mitigation zone, the proposed design is acceptable. We recommend that you and the contractor provide the construction final installation plans, shop drawings and details and any subsequent revisions of the retention system.

Please refer to section 2.14 of GCI's earth fissure exploration report regarding the review and approval of any revisions or changes to plans and details and special inspections related to earth fissure mitigation as the project moves forward.

Mr. Bryson Bennett
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Based on our review of the Preliminary Grading and Drainage Plans prepared by Westwood Professional Services Inc. for Aspire at Sun Valley, the implementation of our recommended earth fissure mitigation measures, in our opinion, satisfies the intended purpose to improve safety within a property affected by land subsidence-induced earth fissures.

Thank you for the opportunity to review your project plans.

Sincerely,



Kenneth M. Euge, R.G.
Principal Geologist

