



Project No. 07841-32-06  
July 2, 2015

Rancho Guejito Corporation  
17224 San Pasqual Valley Road  
Escondido, California 92027

Attention: Mr. Hank Rupp

Subject: SUPPLEMENTAL SLOPE STABILITY ANALYSIS  
RANCHO GUEJITO AGRICULTURAL AREAS  
ROCKWOOD VILLAGE AND VINEYARD RANCH  
SAN DIEGO COUNTY, CALIFORNIA

Dear Mr. Rupp:

In accordance with the request of Mr. Tim Gabrielson of Rick Engineering, we have performed a supplemental slope stability analysis considering proposed 1.5:1 (horizontal:vertical) fill slopes up to 15 feet high in the subject agricultural areas. This analysis supplements our previous study which evaluated slopes up to 10 feet high.

A network of grove roads is proposed in several areas of Rancho Guejito to provide access for avocado farming. The roads will generally follow the natural terrain and be approximately 10 feet wide. Grading will consist of minor cuts and fills generally on the order of 5 to 15 feet. The underlying geologic units consist of topsoils and granitic bedrock. The granite ranges from fresh boulder outcrops to strong decomposed granite.

In order to address the global stability, a slope stability analysis was performed using the computer software program SLOPE/W Version 7.17 to calculate the factor of safety against deep-seated failure. SLOPE/W uses conventional slope stability equations and a two-dimensional limit-equilibrium method. The cross-section used for our analysis, Figure 1, is a hypothetical representation of a typical slope comprised of compacted fill. We used Spencer's Method for our analysis with circular-type failure modes to evaluate the lowest computed factor of safety within the fill. Based on the results of the analysis, the factor of safety of a typical 15-foot-high fill slope will possess a factor of safety greater than 1.5 for gross stability.

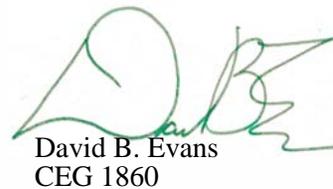
If there are any questions regarding this correspondence, or if we may be of further service, please contact the undersigned at your convenience.

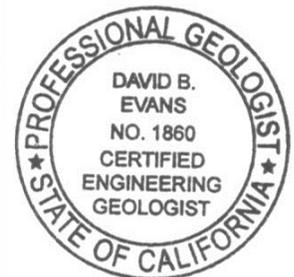
Very truly yours,

GEOCON INCORPORATED

  
Trevor E. Myers  
RCE 63773



  
David B. Evans  
CEG 1860



DBE:TEM:dmc

(1) Addressee  
(e-mail) Rick Engineering Company  
Attention: Mr. Julian Yap

Rancho Guejito  
Project No. 07841-32-06  
Cross-Section A-A'  
Name: AA-Case3.gsz  
Date: 6/22/2015 Time: 11:53:15 AM

### 15 Ft High 1.5:1 Fill Slope

Name: Qcf - Compacted Fill    Unit Weight: 130 pcf    Cohesion: 300 psf    Phi: 32 °  
Name: Kgr - Granitic Rock    Unit Weight: 130 pcf    Cohesion: 500 psf    Phi: 35 °

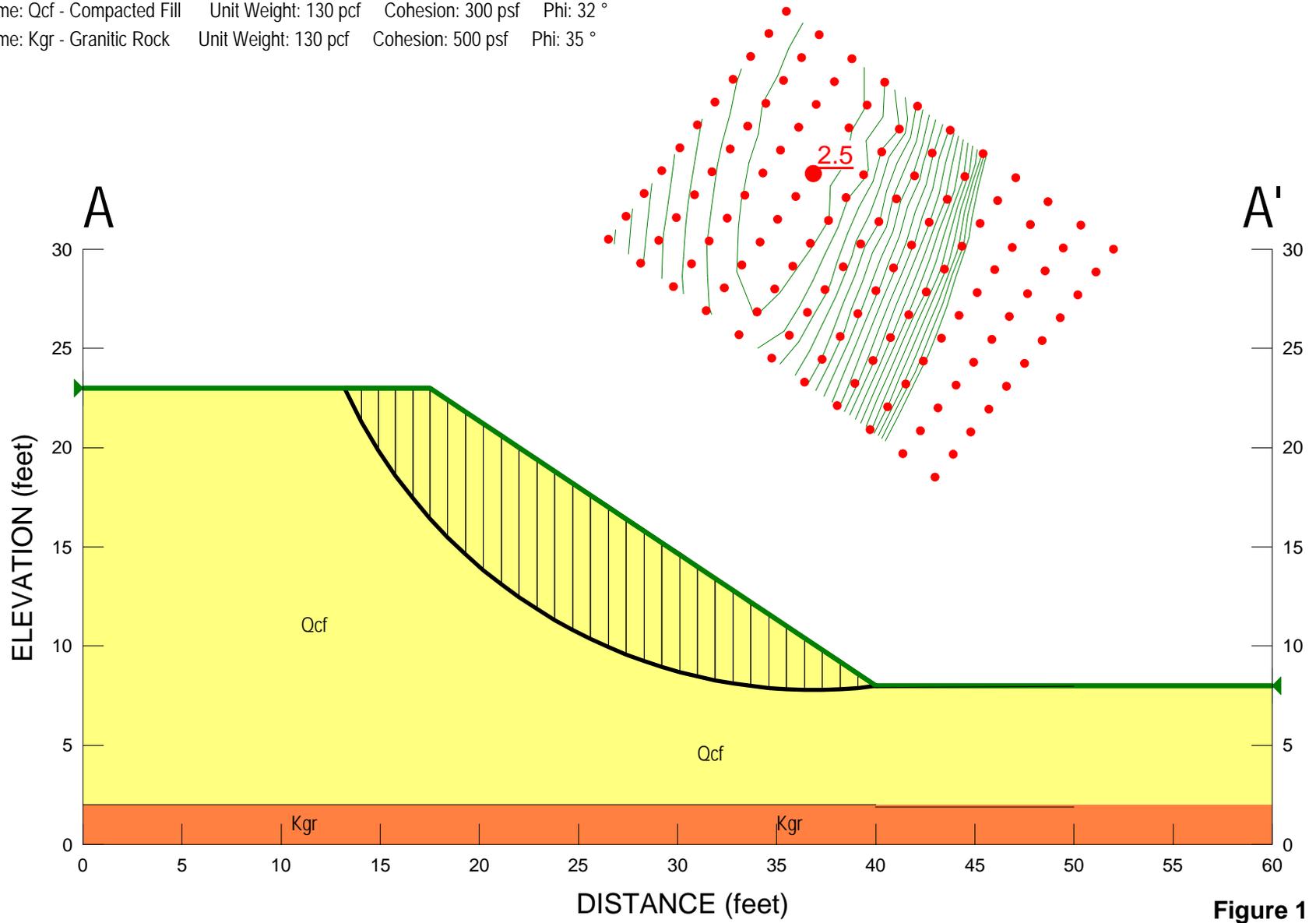


Figure 1