

May 3, 2017

File No. 33366-07

Yorba Linda Estates, LLC  
7114 E. Stetson, Suite 350  
Scottsdale, AZ 85251

Attention: Mr. Douglas G. Wymore

Subject: **SUPPLEMENT NO. 2 GEOTECHNICAL REVIEW OF CONCEPTUAL DESIGN PLANS**  
Proposed Esperanza Hills Residential Development  
Yorba Linda Estates and Yorba Trails Parcels  
Stonehaven Drive Option 1A  
Orange County, California

Reference: **GEOTECHNICAL REVIEW OF CONCEPTUAL DESIGN PLANS**  
(Options 1, 2, and 2A) for EIR  
Proposed Esperanza Hills Residential Development  
Southeastern Puente Hills, Orange County, California  
By: American Geotechnical, Inc. (File No. 33363-03)  
Dated: April 1, 2013

Dear Mr. Wymore:

This presents the results of our geotechnical review of the modifications to Stonehaven Drive Option 1A for the Proposed Esperanza Hills Residential Development in Orange County, California. The purpose of this work is to determine if the mitigation measures outlined in the referenced document still apply given the recent modifications.

### **MODIFICATIONS**

Modifications to Stonehaven Drive Option 1A are shown on the attached Figure 1. The modifications include minor realignment of the Stonehaven Drive access to the Entry Road, minor slope modifications adjacent to both streets, minor relocation of the proposed bridge south of the Whittier Fault, and minor realignment of the Entry Road.

## **FINDINGS**

The modifications to Stonehaven Drive Option 1A require no change to the mitigation measures recommended in our referenced report. Design and construction of Stonehaven Drive will require a site specific geotechnical investigation to identify the exact location of the Whittier Fault in proximity to the proposed bridge, exploratory borings to evaluate abutment conditions on either end of the bridge alignment, and a site specific seismic hazard analysis to identify design level ground motions and secondary effects of seismicity.

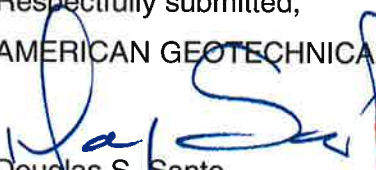
Findings and recommendations from our April 1, 2013 report remain valid.

## **CLOSURE**

This work was performed in accordance with generally accepted professional engineering geology principles and practice in southern California at the present time. We make no other warranty either express or implied. Findings presented herein are based on a limited review of documents provided by others. No subsurface exploration or geotechnical laboratory testing was performed or authorized. The data and findings of this evaluation were prepared for the sole use and benefit of Mr. Doug Wymore. This work was not prepared for use by other parties and may not contain sufficient information for other uses at other times. We thank you for choosing American Geotechnical. Should you have any questions, please do not hesitate to contact our office.

Respectfully submitted,

AMERICAN GEOTECHNICAL, INC.



  
Douglas S. Santo  
Chief Engineering Geologist  
CEG 1866



Enclosure: Figure 1 - Modifications  
Distribution: Addressee (Email: [dwymore@q.com](mailto:dwymore@q.com))



APN 351-031-006  
YORBA LINDA ESTATES, LLC

 - OPTION 1A ENTRY ROAD  
 - ORIGINAL OPTION 1 ENTRY ROAD

LOT "A"  
OPEN SPACE  
AREA = 76.77 AC

PROJECT BOUNDARY (TYP)

OPTION 1A LIMITS OF BRIDGE

OPTION 1 LIMITS OF BRIDGE

WHITTIER FAULT LINE

EXISTING P HILL

TRACT NO. 12359  
M.M. 579/43-47

STONEHAVEN DRIVE

PROJECT BOUNDARY (TYP)

TRACT NO. 12377  
M.M. 530/21-23

TITLE: <b>ESPERANZA HILLS</b> YORBA LINDA, CA 92886		
SCALE: <b>N.T.S</b>	DATE: <b>MAY 2017</b>	FILE NO.: <b>33366-07</b>

FIGURE  
**1**

**CONCEPTUAL BRIDGE PLAN OVERLAY** 

Yorba Linda Estates, LLC



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PRELIMINARY  
NOT FOR REGULATORY  
APPROVAL, PERMITTING, OR  
CONSTRUCTION.  
DATE: 2/16/17

**ESPERANZA HILLS  
CONCEPTUAL ENTRY BRIDGE  
OPTION 1A - OPTION 1**