

Geotechnical Engineering Report

For

**Proposed Tract 2614
Atascadero, California**

February 21, 2005

B-054336

Prepared For

David Edelman

By

Buena Geotechnical Services
3850 Ramada Drive, Suite A-2
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February 21, 2005

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David Edelman
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Project: Proposed Tract 2614
Atascadero, California

Subject: Geotechnical Engineering Report

As authorized, we have performed a Geotechnical Study for the above referenced project. The accompanying Geotechnical Engineering Report presents the results of our subsurface exploration, laboratory-testing program and conclusions and recommendations for geotechnical engineering aspects of project design. Our services were performed using the standard of care ordinarily exercised in this locality at the time this report was prepared.

Based on our study, it is our opinion that the site is suitable for the proposed development from a geotechnical engineering standpoint provided the recommendations of this report are successfully implemented.

We have appreciated this opportunity to be of service to you on this project. Please call if you have any questions, or if we can be of further service.

Respectfully submitted,



Josh Cwikla
Project Manager

Copies: 3-David Edelman
1-File



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INTRODUCTION

A. Project Description

This report presents results of a Geotechnical Engineering Study performed for the proposed residential tract to be located in Atascadero, California.

1. We anticipate that the site will be developed by cutting and filling to create level and stable building pads and roads.
2. The proposed structure is assumed to be one (1) or two (2) stories of wood framed construction.
3. Structural considerations for maximum wall loads of 1.5 kips per lineal foot were used as a basis for the recommendations of this report. If actual loads vary significantly from these assumed loads, Buena Geotechnical Services should be notified as re-evaluation of the recommendations contained herein may be required.

B. Purpose and Scope of Work

The purpose of the geotechnical investigation that led to this report was to evaluate the soil conditions of the site with respect to the proposed development. These conditions include surface and subsurface soil types, expansion potential, settlement potential, bearing capacity, and presence or absence of subsurface water. The scope of our work included:

1. Reconnaissance of the site.
2. Drilling, sampling and logging of twelve (12) borings to investigate soils and groundwater conditions.
3. Laboratory testing of soil samples obtained from subsurface exploration to determine their physical and engineering properties.
4. Geotechnical analysis of the data obtained.
5. Consultation with owner representatives and design professionals.
6. Preparation of this report.

Contained in the report are:

1. Discussions on local soil and groundwater conditions.
2. Results of laboratory and field tests.
3. Conclusions and recommendations pertaining to site grading and structural design.