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**NOISE MONITORING**

**LEHIGH QUARRY**

**SANTA CLARA COUNTY**

**Prepared for**

**The County of Santa Clara**

**Prepared by**  
**Jeffrey K. Pack**

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**Project No. 41-020**

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**I. Executive Summary**

Noise monitoring of the operations at the Lehigh Quarry in Santa Clara County indicated that the noise exposures and noise levels at the property boundaries are in compliance with the adopted standards of the Santa Clara County Noise Element of the General Plan and the Santa Clara County Noise Ordinance. Quarry noise levels at residences in Cupertino are within the limits of the City of Cupertino Noise Ordinance. In addition, noise measurements performed at the DeAnza Oaks residential complex along Stevens Creek Boulevard revealed that the traffic noise levels due to quarry traffic are within the limits of the City of Cupertino Noise Element and the Santa Clara County Noise Element and are within reasonable sound levels for residential properties.

Two days of continuous noise monitoring occurred at four locations. Inclement weather prohibited further noise measurements. Location 1 was at the property line of the quarry slightly north of due east of the main quarry buildings. Location 2 was southeast of the quarry (main buildings) and approximately 900 ft. within the quarry property from the property line. Location 3 was at the north end of the quarry near the future pond site approximately 325 ft. within the quarry property from the property line. Location 4 was on the DeAnza Oaks residential property, behind the soundwall, 80 ft. from the centerline of Stevens Creek Boulevard. These measurement locations were chosen to represent the noise environments at the most impacted quarry property boundaries that are accessible.

In addition to the noise measurement locations chosen for this study, a location at the Cristo Rey residential development adjacent to the Gate of Heaven Cemetery was included herein as this residential development had a partial line-of-sight to the plant operations and was a possible area of concern. Edward L. Pack Associates, Inc. performed the environmental noise study for this development in 1995, and at that time analyzed the quarry operations in detail. Calculations of the noise exposure at the development were again performed for the present study from the latest data, which confirmed the noise exposure measured in 1995.

