



GEOLABS, INC.

Geotechnical Engineering and Drilling Services

May 24, 2004
W.O. 3917-30

Mr. Timothy E. Steinberger, P.E.
City & County of Honolulu
Department of Design & Construction
650 South King Street, 11th Floor
Honolulu, HI 96813

PROGRESS REPORT NO. 7
PHASE III – ADDITIONAL INSTRUMENT MONITORING
KUAHEA STREET AREA MOVEMENT
PROJECT NO. 97504
PALOLO, OAHU, HAWAII

Dear Mr. Steinberger:

This seventh progress report is presented to summarize our work efforts and the results of the additional field instrumentation monitoring conducted for the Kuahea Street Area Movement project located in Palolo Valley on the Island of Oahu, Hawaii. The approximate location of the project site is shown on the Project Location Map, Plate 1.

This progress report provides summary information pertaining to the installation and initialization of replacement instrumentation (Phase II – Additional Field Exploration) and the results of monitoring earth movements and subsurface water levels at the project site (Phase III - Instrument Monitoring). This report summarizes the field data and observations that were collected from three monitoring site visits, which were conducted on October 21 and 22, 2003, December 22 through 24, 2003, and January 26 and 27, 2004. Our work was performed in general accordance with our fee proposal dated March 6, 2003 and Amendment No. 3 for Engineering Services for the Kuahea Street Area Movement Project, Contract No. F-60578, CIP No. 97504.

This report is our first semi-annual progress report covering the additional 12-month instrument monitoring period, which commenced September 1, 2003 and expires August 31, 2004. It should be noted that the regularly scheduled site visit for instrument monitoring, which was to occur in mid February 2004, was actually conducted earlier on January 26 and 27, 2004 in order to record field data following recent heavy rains, which occurred in the December to January timeframe.

GENERAL BACKGROUND

The existing inclinometer system, which is comprised of 11 inclinometers identified as Inclinometer Nos. I-2 through I-12 remain functional at the project site. Inclinometer

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