



September 2, 2009
W.O. 3917-90

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

PROGRESS REPORT NO. 18
PHASE III – ADDITIONAL INSTRUMENT MONITORING
KUAHEA STREET AREA MOVEMENT
PROJECT NO. 97504
PALOLO, OAHU, HAWAII

Dear **Mr. Yamasaki**:

This eighteenth 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 in Palolo Valley on the Island of Oahu, Hawaii. The approximate project location is shown on the Project Location Map, Plate 1.

Our work was performed in general accordance with our revised fee proposal dated December 6, 2007 and Amendment No. 8 for Engineering Services for the Kuahea Street Area Movement Project, Contract No. F-60578, CIP No. 97504.

This progress report provides summary information resulting from our monitoring of earth movements and subsurface water levels (Phase III - Instrument Monitoring). Our report summarizes the field data and observations that were collected during three scheduled monitoring visits performed over a six-month monitoring period. This report is our second semi-annual progress report covering the twelve-month instrument monitoring period, which officially commenced August 1, 2008 and expires July 31, 2009. The three instrumentation-monitoring visits were conducted as follows:

- Monitoring Visit 1: March 17, 18, 19, and 20, 2009
- Monitoring Visit 2: May 18, 19, and 21, 2009
- Monitoring Visit 3: July 14, 15, and 16, 2009