



GEOLABS, INC.

Geotechnical Engineering and Drilling Services

August 30, 2000
W.O. 3917-10

Mr. Gary Q.L. Yee, Director
City & County of Honolulu
Department of Design & Construction
650 South King Street, 11th Floor
Honolulu, HI 96813

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**PROGRESS REPORT NO. 2
PHASE III – INSTRUMENT MONITORING
KUAHEA STREET AREA MOVEMENT
PROJECT NO. 97504
PALOLO, OAHU, HAWAII**

Dear Mr. Yee:

This second quarterly report is presented to summarize our progress on the Kuahea Street Area Movement project. This report provides summary information pertaining to the status of the Phase II field exploration and installation of instrumentation. In addition, a summary of the earth movements and subsurface water levels detected to-date during the Phase III instrument monitoring effort is provided.

PHASE II – FIELD EXPLORATION

The completed field exploration consisted of drilling 15 borings ranging in depths from about 40 to 100 feet below the existing ground surface. Of the 15 borings drilled, inclinometer casings (identified as Boring Nos. I-1 through I-8) were installed in eight of the borings. The inclinometer casing installations ranged in depths from about 37 to 92 feet below the existing ground surface.

Seven of the 15 borings were converted to nested piezometer installations (identified as Boring Nos. P-1 through P-7). The nested piezometers consisted of screened pipe casings set to monitor the potential for groundwater in discrete 10 to 15-foot length intervals in the subsurface. The piezometer installations ranged in depths from about 37 to 69 feet below ground level.

The field exploration (drilling and instrument installation) commenced in August 1999 and was completed in June 2000. The attached Instrument Location Plan, Plate 2, shows the locations (as-built) of the borings and instruments installed at the project site.

The official start date of the 12-month instrument monitoring program began in February 2000. A few instrument readings were taken beginning in October 1999 as the instruments were installed to provide some baseline survey data.