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February 2, 2016
W.O. 15-5822

Ms. Stacey Miyamoto
SSFM International
501 Sumner Street, Suite 620
Honolulu, Hawaii 96817

Dear Ms. Miyamoto:

Re: Addendum 01
Camp 10 Access Road Bridge Repairs
Department of Land and Natural Resources
Division of Forestry and Wildlife
Kauai, Hawaii

This letter presents an addendum to our report, "Geotechnical Investigation, Camp 10 Access Road Bridge Repairs, Department of Land and Natural Resources, Division of Forestry and Wildlife, Kauai, Hawaii," dated September 15, 2015.

At the time of our report, based on information provided by the Structural Engineer, the preliminary footing widths for concrete bridges were as follows: Bridge No. 1 – 7 feet, Bridge No. 2 – 4 feet, Bridge No. 3 - 3.5 feet. Based on discussions with the Structural Engineer, we understand that the revised footing widths for concrete bridges are as follows: Bridge No. 1 – 5.5 feet, Bridge No. 2 – 5 feet, Bridge No. 3 - 5 feet. Preliminary plans also show that the footings will be embedded approximately 3 feet below existing grades.

As a result, additional slope stability analyses were performed for the three bridge sites to determine the required setback distance for foundations to achieve a minimum factor of safety of 1.5. A surcharge load based on the new footing widths and a bearing capacity of 1,500 pounds per square foot, embedded approximately 3 feet below ground surface, were also assumed in our analyses. The setback distance is the minimum horizontal distance from the top of slope to bottom edge of footing required to achieve a minimum safety factor of 1.5. The following is a summary of our slope stability analyses. Diagrams of the modeled slopes are presented on Plates C1.7 through C1.9.

Location	Bridge Type	Footing Dimensions	Minimum Setback Distance
Bridge No. 1	Concrete	14' x 5.5'	7 feet
Bridge No. 2	Concrete	14' x 5'	6.5 feet
Bridge No. 3	Concrete	14' x 5'	5 feet

Additional geotechnical recommendations for the design of foundations are presented in our Geotechnical Investigation report dated September 15, 2015.

We appreciate this opportunity to be of service. Should you have any questions concerning this addendum, please feel free to call on us.

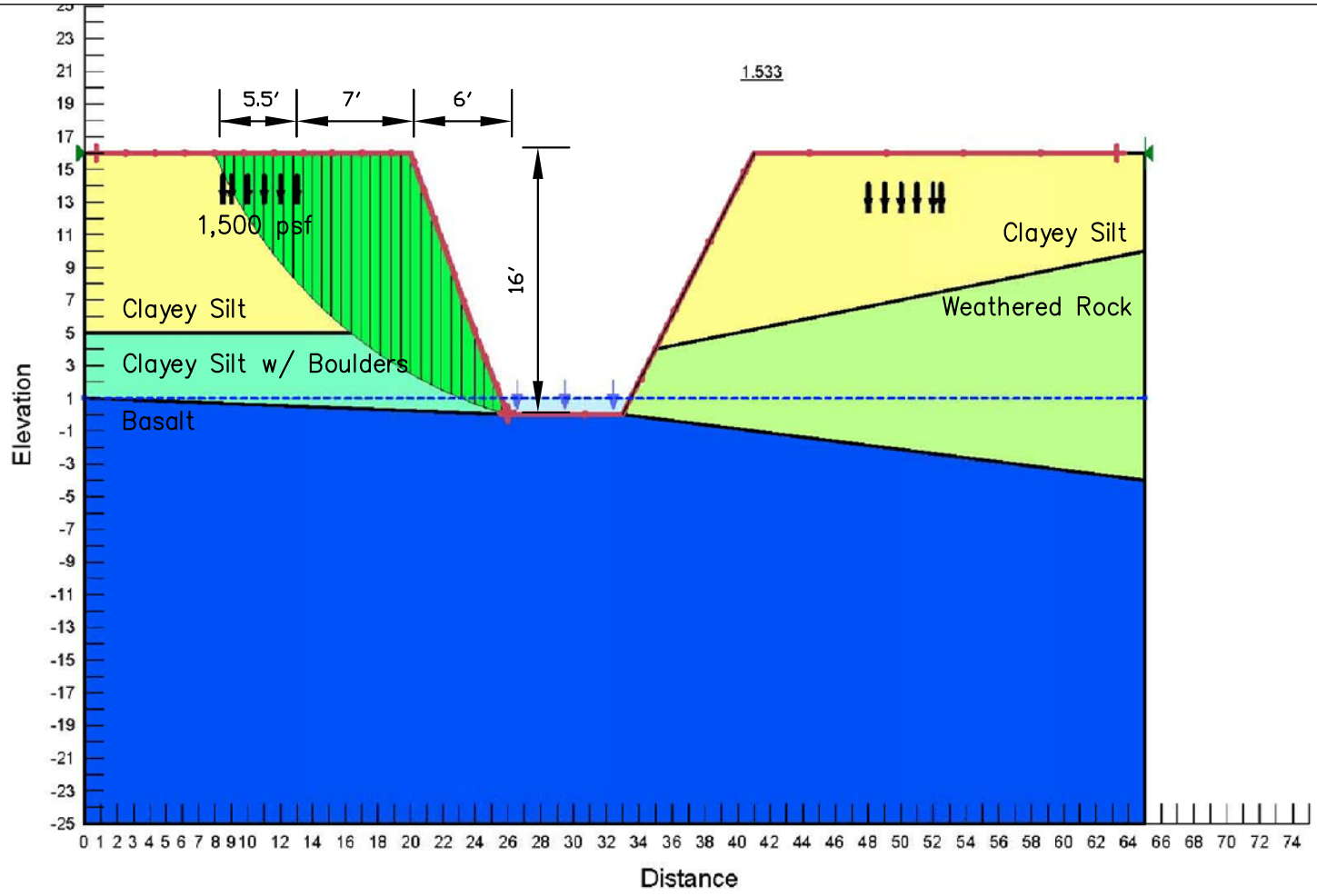
Respectfully submitted,

HIRATA & ASSOCIATES, INC.

Nathan Tanaka

Nathan K. Tanaka, Project Engineer

enc: Slope Stability Diagrams.....Plates C1.7 through C1.9



Bridge No. 1 – Concrete Bridge

Reference: SLOPE/W 2012, GEO-SLOPE International, Ltd.

W.O. 15-5822	Camp 10 Access Road Bridge Repairs
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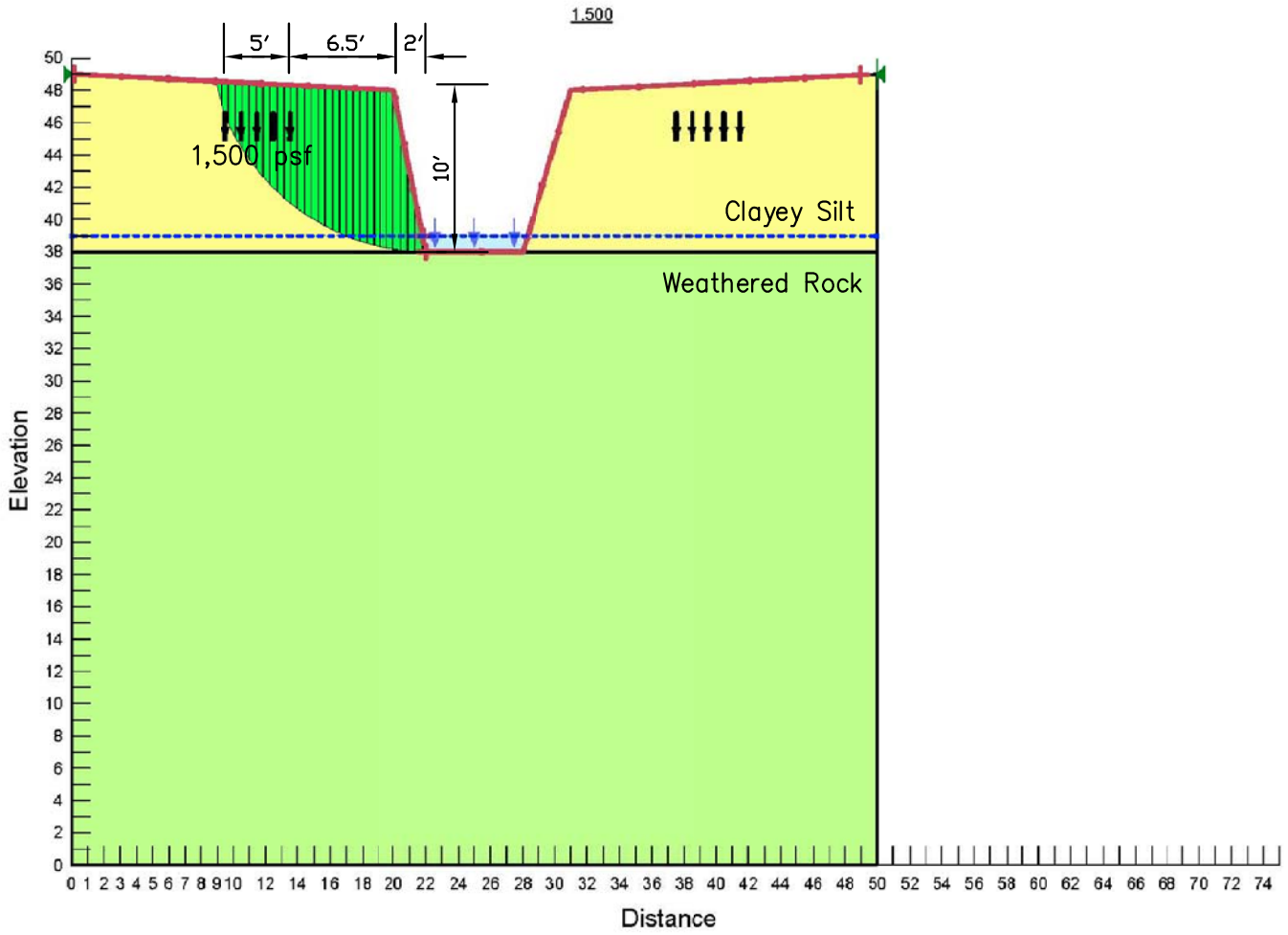

Bridge No. 2 – Concrete Bridge

Reference: SLOPE/W 2012, GEO-SLOPE International, Ltd.

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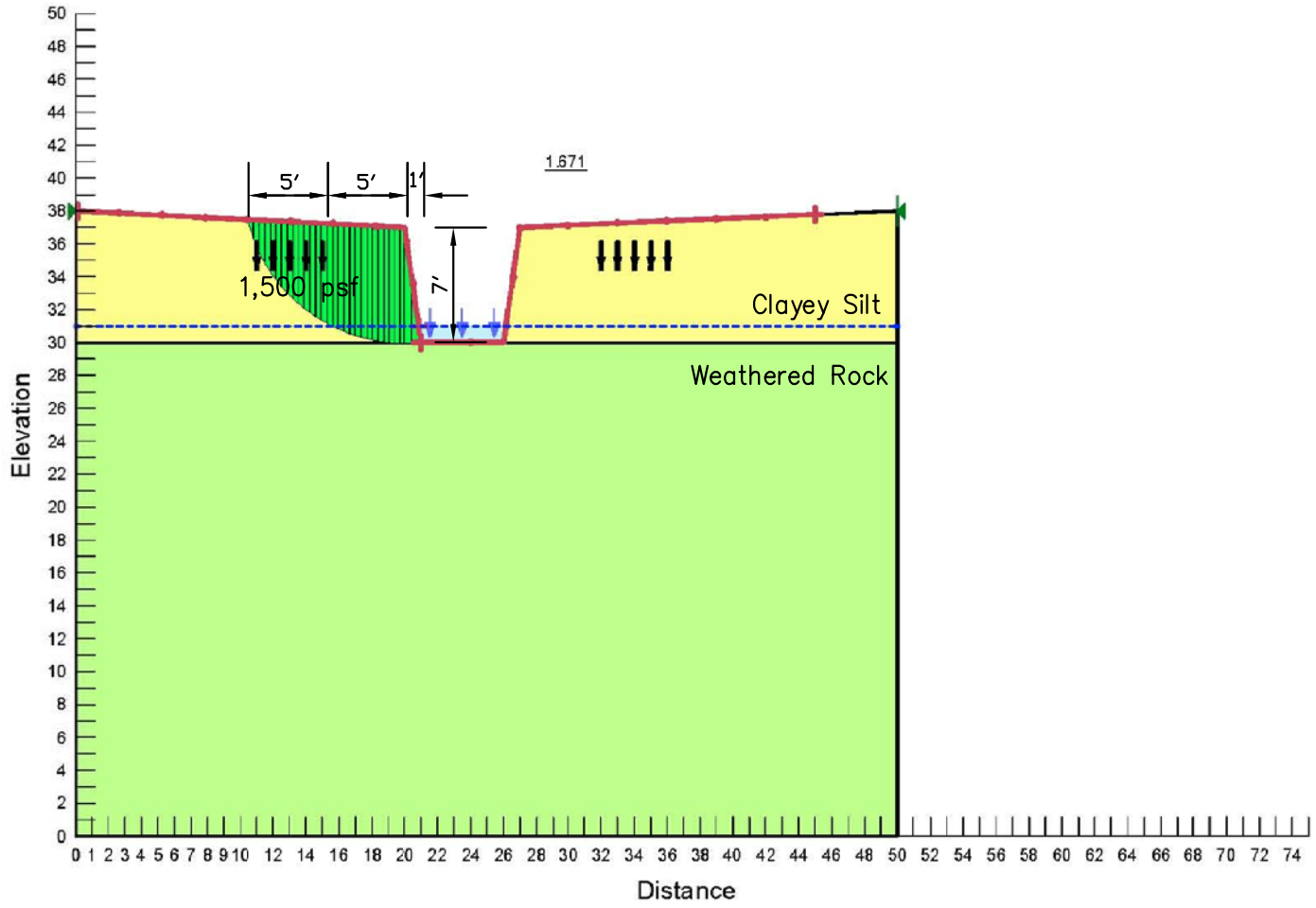
Hirata & Associates, Inc.	SLOPE STABILITY DIAGRAM Plate C1.8



Bridge No. 3 – Concrete Bridge

Reference: SLOPE/W 2012, GEO-SLOPE International, Ltd.

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Hirata & Associates, Inc.	SLOPE STABILITY DIAGRAM Plate C1.9