May 18, 2016

CAA Planning, Inc.
65 Enterprise, Suite 130
Irvine, CA 92056

Attention: Ms. Shawna Schaffner

Subject: Removal of Temporary Shoreline Protection at the Bacara Beach House
Coastal Bluff Failure and Retreat
Bacara Resort and Spa
Goleta, California

Dear Shawna:

As you requested, here are a few comments pertaining to removal of the temporary shoreline protection at the Bacara Beach House at Haskell’s Beach in Goleta.

In general, building foundations should be set back from adjacent slopes. The California Building Code (Chapter 18) provides a guideline that requires a foundation to be setback a minimum distance horizontally from the top of an adjacent slope, which should be shown to be in a stable configuration. Fill slopes are typically engineered to stand at 2:1, horizontal to vertical.

The attached photos show the shoreline erosion that occurred in late December/early January created a roughly 8 foot high, near vertical scarp that retreated back to within a few inches of the building columns at the Beach House. Also attached is a profile illustration with elevations based on the overall site survey conducted by the project land surveying/engineering firm, Stantec. From the photos and the profile, it is clearly evident that removing the concrete yard block shoring protection would remove the buttressing that is now supporting the foundations for the building columns.

Without installing a fill slope, a wedge of beach cobbles, beach sand or some feature to buttress the erosion scarp, removing the yard blocks will create an unstable condition that
Ms. Shawna Schaffner
Removal of Temporary Protection at the Bacara Beach House
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could undermine the column foundations, lead to building failure, and create an unsafe condition for beach users.

Please contact me if you have any questions.

Sincerely,
Campbell-Geo, Inc.

Steve Campbell
Professional Geologist
State of California, #5576
Certified Engineering Geologist
State of California, #1729
Certified Hydrogeologist
State of California, #82

Attachments: photos (2)
plate (1)

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PROFILE OF EXISTING EMERGENCY SHORELINE AND BEACH HOUSE PROTECTION

Haskell’s Beach
Bacara Resort
Goleta, California
March, 2016

ELEVATION FROM STANTEC SURVEY CONDUCTED MARCH 16, 2016

Notes: Removal of concrete blocks will expose oversteepened slope and undermine the Beach House building columns.
Shoreline Retreat and Temporary Protection at the Haskell’s Beach House
Bacara Resort and Spa
Goleta, California