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OFFICE OF THE
COUNTY COUNCIL

September 26, 2016

Chairman Don Couch
Planning Committee, Maui County Council
200 S. High Street
Wailuku, HI 96793

RE: PC-27 – Kamalani (Kihei Residential Project) Drainage and Lighting

Dear Chairman Couch:

At the presentation of the Annual Compliance Report for Kamalani which was heard by your honorable committee on August 4, 2016, you asked for information concerning the drainage and lighting plans for this project. Please find below an outline of our plan for these elements of the project.

LED Lighting

The project will utilize a full cut-off LED light fixture mounted on a 16' aluminum pole. The fixture has 48 LEDs at 4000K color temperature and has built-in photocell control.

Stormwater Treatment

Stormwater runoff from the project will receive treatment in order to maintain water quality as required by the County of Maui "Rules for the Design of Storm Water Treatment Best Management Practices. The project will incorporate the following stormwater BMPs for runoff water quality:

Extended Detention: The entire water quality design volume will be retained in the existing retention basins. Stormwater will be held for an extended period allowing suspended solids to settle out. Water will infiltrate into the soils gradually over 24 to 48 hours and recharge groundwater.

Bioretention: A bio-swale will be used to treat runoff. Runoff will be filtered by the specially selected vegetation and bioretention soil media.

Vegetated Swales: Stormwater runoff will flow through grass swales. The grasses and other vegetation will provide natural filtration while allowing percolation into the underlying soil. The use of grass swales rather than a storm drain collection system also increases the runoff time of concentration.

Vegetated Filter Strip: For the drainage area flowing to the existing double 48-inch culvert, a vegetated buffer strip will be used to provide filtration and percolation of the runoff. The filter strip will be maintained with grass or other native vegetative cover.

Specified requirements in the BMP plan include removing accumulated sediments and debris, maintaining vegetation, and performing regular inspections so that the water quality BMPs operate effectively into the future.

Please feel free to contact me should there be any further questions on these matters. Thank you very much for your kind assistance.

Sincerely yours,

A handwritten signature in cursive script that reads "Grant Y.M. Chun".

GRANT Y.M. CHUN
Vice President