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Attorneys for Petitioners FRIENDS OF MĀHĀ'ULEPU and SAVE KŌLOA

BEFORE THE KAUA'I PLANNING COMMISSION
 COUNTY OF KAUA'I
 STATE OF HAWAII

In the Matter of the Application of:)
)
 MERIDIAN PACIFIC) DECLARATION MATT ROSENER
)
 For approval of master drainage plan required by)
 Condition 26 of Class IV Zoning Permit (Z-)
 IV-2006-27), Use Permit (U-2006-26), and)
 Project Development Use Permit (PDU-2006-)
 25) for a development situated at the Pau A Laka)
 Street/ Kiahuna Plantation Drive, 5425 Pau A)
 Laka Street, Tax Map Key: 2-8-014:032, and)
 containing a total area of 27.886 acres)
)
)
)
)

DECLARATION OF MATT ROSENER

I, MATT ROSENER, do declare under penalty of perjury that the following is true and correct.

1. I make this declaration based upon my own personal knowledge, information, and belief and am competent to do so.

2. I earned a Bachelor of Science in Civil Engineering from the University of Minnesota and a Master of Science degree from Oregon State University, with a major in Civil Engineering – Hydrology and a minor in Water Resources Planning and Management.

3. I have been a registered professional engineer in the State of Hawai‘i since 2003 and a registered professional engineer in the State of Washington since 2014.

4. I have extensive experience in stormwater management, wastewater management, erosion control, and the design and installation of Best Management Practices for the reduction of water pollution. I have practiced in the fields of hydrology and water resource engineering for over 25 years, with 22 years of professional experience in Hawai‘i.

5. I have done an initial review of the “Final Master Drainage Plan for Lands Mauka of Po‘ipu Road Rezoned Under Moana Corporation Ordinance No. PM-31-79” that was prepared by Esaki Surveying and Mapping, Inc. under the supervision of Hawai‘i licensed professional engineer Wayne T. Wada and dated December 5, 2023 (“December 5 MDP” or “MDP”).

6. Due to the constrained timeframe between the release of the MDP on December 5 and being scheduled for hearing on December 12, 2023, just one day after its creation on December 6, 2023, I was unable to conduct as thorough an analysis of the master drainage plan as is typically warranted for such significant evaluations. Despite this limited time frame, I have managed to identify and offer the following significant concerns regarding the December 5 MDP.

7. The December 5 MDP adopts a segmented approach, evaluating drainage for each development in the petition area individually rather than using a systematic, comprehensive method typical in drainage master planning. This approach undermines the plan’s effectiveness in addressing the overall drainage needs of the petition area. Furthermore, the MDP includes

maps for only six of the eight developments in the subject area, omitting at least two critical drainage plans for developments that comprise a substantial portion of the petition area. Without consideration for the potential cumulative impacts of the proposed development and nearby existing developments, it is unlikely that the MDP contemplates the full scale of potential impacts, especially where the Kāneiolouma Heiau, an archeological reserve, Poipu and Waiohai beaches are all downslope of the subject parcel.

8. The December 5 MDP fails to describe general stormwater flow patterns through the area. The MDP lacks a hydrologic map detailing existing drainage facilities, concentration points, and flow patterns for the entire plan area, as required for drainage reports by the County's Stormwater Manual (Section 2.2.1). This omission significantly hampers the understanding of how stormwater runoff from various developments interacts and where it ultimately discharges and does not comprehensively address the cumulative impact of these developments.

9. The December 5 MDP inadequately addresses drainage from the large golf course and the Kiahuna Golf Village which it surrounds. Cumulatively, this constitutes a significant portion of the petition area. Moreover, the assumption that the developed golf course generates the same amount of runoff as in its pre-developed state is questionable and unsupported by principles of hydrology.

10. The MDP contains no analysis or calculations for the cumulative impacts of stormwater runoff from the various developments within the plan area, nor is there any identification of the ultimate discharge locations for the detention basins depicted in the MDP.

11. While the December 5 MDP attributes current runoff into the Kāneiolouma area/Heiau to mauka parcels, it fails to identify the TMKs of these parcels. The MDP also fails to

consider the pathways by which runoff from the proposed development site contribute or could contribute to stormwater discharges in the Kāneiolouma area/Heiau.

12. Based on my assessment, the December 5 MDP, as currently presented, lacks the detail and comprehensiveness necessary for an effective evaluation of stormwater drainage in the specified area and thus does not appear to comply with the relevant condition 26.

DECLARANT FURTHER SAYETH NAUGHT.

Dated: Hilo, Hawai'i

December 10, 2023

A handwritten signature in black ink that reads "Matt Rosener" with a horizontal line extending to the right.

MATT ROSENER, P.E.
Declarant