



Kihei Community Association

"e malama pono"...dedicated to protecting,  
sustaining and enhancing our 'āina, kai and 'ohana

## POSITION STATEMENT REGARDING SOUTH MAUI'S STORM WATER MANAGEMENT DECEMBER 2017

The Kihei Community Association is concerned about the lack of comprehensive planning for south Maui's storm water management. (The current draft County Plan addresses only the storm drainage crossing County and State roadways and does not address the storm design for the entire storm basins.) In south Maui, development proceeds with no credible master plan identified for storm water management. Presently storm water over runs many areas of south Maui even in minor storm events. Major storm events will cause loss of property, possible loss of life, and extensive environmental damage; therefore, it is KCA's position that action be taken as soon as practical to mitigate these possibilities. We recommend the following:

1. Complete a comprehensive Drainage Plan for Kihei. The plan should address at a minimum:
  - a) A basin by basin plan showing detention basins, detention structures, channels and drainage piping to handle storm water for the proposed 20-year development of the basin. (Basins should be one of the first things done in the 20+ year plan.)
  - b) The plan should address the quality of the storm water as well as the quantity. This would include requirements for control of silt and other objectionable material in the storm flow. This would also include but not be limited to heavy metals, petroleum, and other detrimental waste.
  - c) The plan should show a reasonable method of financing the needed improvements including but not limited to contributions from new developments.
  - d.) Low impact design should be the focus of the plan rather than concrete channels or hard structures.
2. Require all new developments to participate in not only mitigating the onsite drainage, as required by County Ordinance, but to participate in the implementation of the above South Maui Master Drainage Plan for control of storm water.
3. Require new developments to capture storm runoff for use as water supply, irrigation supply, and to recharge our aquifers.
4. Require that all developments apply Green Streets Principles to all on-site landscaping in order to capture rainwater landing on hard surfaces, in addition to planned detention basins.
5. Revise the County storm water design ordinance to require not only no increase in flow rate leaving the site but to require no significant increase in total flow off the site.

KCA position is based on the following assumptions and facts:

1. Storm water in south Maui floods property even in minor storm events.
2. Storm water presently carries heavy concentrations of silt which is causing damage to the near shore reefs and damages the coastal waters.
3. Storm water in South Maui has been diverted between historical flood basins both intentionally and by inadequate drainage facilities. Present drainage draft plans propose to divert flood flows between historic flood basins.
4. The FEMA mapping is currently not correct and needs to be revised. This is evidenced by comparing the culverts and bridges designed by the state on the Pi'ilani Highway to the current FEMA mapping.