

Zemel Farms

Draft Environmental Assessment

This environmental document is prepared pursuant to Chapter 200 of Title 11, Administrative Rules, Department of Health, and Chapter 343, HRS

Prepared For:

Steven Zemel
dba Zemel Farms
c/o Bob Grinpas, Esq.
6186-H Helena Lane
Kapaa, Kauai, Hawaii 96746

Prepared By:

Applied Planning Systems
P.O. Box 958
Lawai, Kauai, Hawaii 96765

May 18, 2009



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EXECUTIVE SUMMARY

This Draft Environmental Assessment (DEA) report was prepared in accordance with State of Hawaii, Office of Environmental Quality Control (OEQC) rules and regulations, including Chapter 343 Hawaii Revised Statutes (HRS), and Chapter 200 of Title 11, Hawaii Administrative Rules (HAR), Department of Health.

The preparation of a DEA is a statutory requirement prior to or in anticipation of the use and/or construction on government-owned lands. There are total of nine (9) actions constituting Chapter 343, HRS, with one trigger specifically affecting this project. The purpose of a DEA is to assess the environmental impacts that a project may have, should the action be implemented, and to serve as a clearinghouse for collection and dissemination of information. This review process is also a mechanism to evaluate a project's consistency and compliance with state and federal environmental programs and to propose, where possible, appropriate mitigation measures.

This environmental review for the issuance of a Non-exclusive easement for Zemel Farms consists of a Draft Environmental Assessment (DEA), followed by a Final Environmental Assessment (FEA). Upon release of the DEA for public and agency review, a notice is published in "The Environmental Notice", which is a semi-monthly bulletin of the OEQC. Comments received during the course of the 30-day review and comment period will be incorporated into the FEA report along with agency correspondence and proposed mitigation measures.

Steve Zemel is the owner of the property lying on both sides of the State stream ditch. He is seeking a Grant of Easement (AU-2), from the State of Hawaii, over a stream ditch, for access and utility purposes. A non-exclusive easement currently exists over and through TMK (4)-4-13: 25 for access and utilities, identified as Easment AU-1. Parcel 25 is recognized by Kauai County as consisting of two (2) distinct parcels of record, each being separated by the stream ditch, which is owned by the State of Hawaii. This stream runs in a makai direction towards Kapaa Town, eventually connecting with Kapahi Stream and eventually drains into Kapaa River. Kapaa River is not classified as a Navigable River by the Army Corps of Engineers (COE). Easment AU-2 would allow Zemel Farms to have lawful access to the mauka portion of the farm.

The subject property, consisting of approximately 7.182 acres of land, has historically been use as pasture for raising cattle. Zemel Farms currently consists of a Farm Dwelling, accessory farm storage building, and a compacted-dirt road. At current, Easement AU-2 consists of a dirt road, lying over a 24" galvanized-steel culvert.

DEA DOCUMENTATION PAGE

TITLE OF

PROPOSED ACTION: *Steven Zemel dba Zemel Farms, request for Non-exclusive Easement over state-owned stream ditch, from the Board of Land & Natural Resources (BLNR) for access and utility purposes.*

LOCATION:

Portion of Kapaa Homesteads, 2nd Series, Kapaa & Waipouli, Kauai.

TAX MAP KEY:

*(4th) 4-4-13: 25 (Exhibit-A)
7.18 Acres or 408,767.04 square feet
Kapaa Homesteads, 2nd Series, Kapaa Kauai, Hawaii*

LANDOWNER:

*Steven Zemel dba Zemel Farms
Adam Zemel, Managing Agent*

PETITIONER:

*Steven Zemel dba Zemel Farms
c/o Bob Grinpas, Esq.
6186-H Helena Lane
Kapaa, Kauai, Hawaii 96746*

PETITIONER'S STATUS

IF NOT OWNER: *Petitioner is Owner*

POINT OF CONTACT:

Bob Grinpas, Esq.

TELEPHONE:

(808) 822-4599

FACSIMILE NO:

(808) 822-0289

COUNTY ZONING:

*Agriculture
Open (O)*

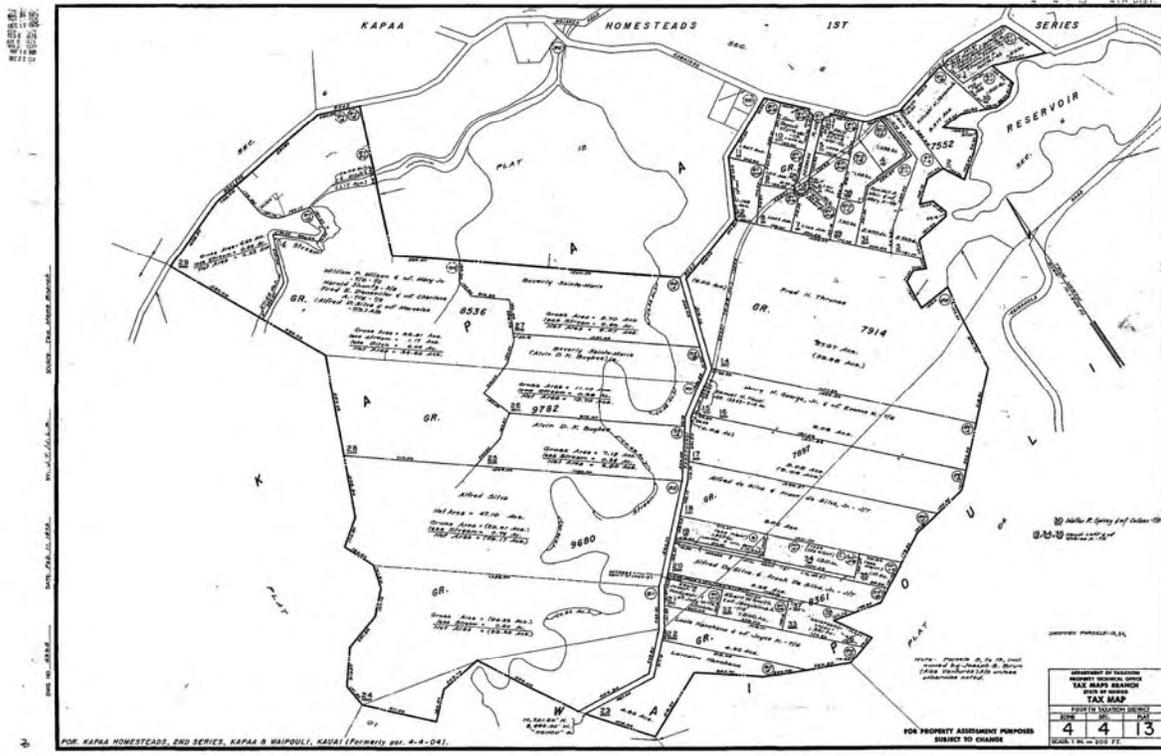


Figure A

385

Tax Map Key

DEVELOPMENT PLAN: *Kapaa-Wailua Development Plan Area*

COASTAL ZONE: *None*

STATE LAND USE DISTRICT BOUNDARY: *Agricultural (A)*

GENERAL PLAN: PREVIOUS: *Agriculture (A)*

CURRENT LAND USE: *Pasture and Farm Dwelling*

NATURE OF DEVELOPMENT: *The Petitioner is seeking an easement, for access and utilities, over a state-owned parcel (stream).*

VALUATION OF DEVELOPMENT: *na*

ACCEPTING AUTHORITY: *Department of Land & Natural Resources
Division of Land Management*

EA TRIGGERS: *Use of State Lands*

PERMITS REQUIRED: *None*

APPLICATION DATE: *May 18, 2009*

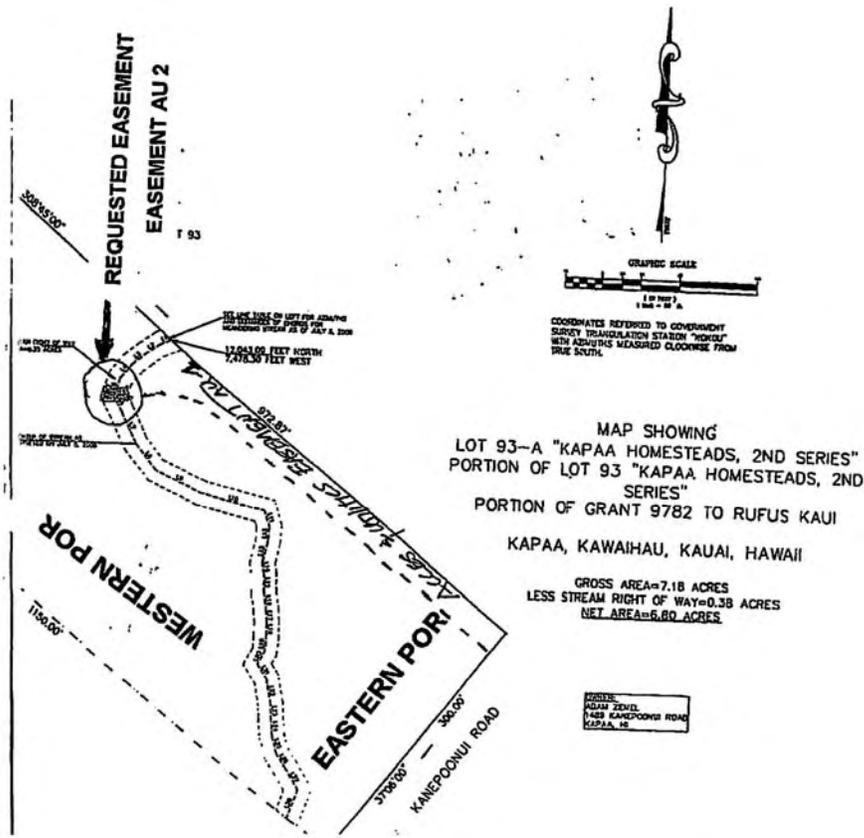


Figure B

Site Map

1.0 INTRODUCTION

For the past 70 years, portions of the property have been in continuous use for the pasturing of cattle. All of the residences have been on cesspools which have been reported to fail during wet weather periods. The southern boundary of the property is located at the center of Kanepoonui Street.

2.0 PROJECT DESCRIPTION

The landowner is seeking an easement over a State-owned ditch, which bisects the subject parcel (*Exhibit-B*). The property currently contains a dirt road that follows the alignment of the easement. The stream crossing is constructed with a galvanized culvert. The "Grant of Easment" will insure the landowner with legal and vested right to traverse the State-owned ditch.

3.0 PROJECT SETTING

3.1 Historical

The subject property has a long history as being use for the pasturing of horses and cattle. The property currently consists of one farm dwelling.

3.2 Environmental

Exemption Class No. 1 (environmental Council, April 28, 1986)
Operations, repairs or maintenance of existing structures, facilities, equipment or topographical feature, involving negligible or no expansion or change of use beyond that previously existing. Right, privilege and authority to construct, use, maintain and repair a right-of-way, under and across, state-owned land for access and utility purposes.

3.2.1 Fauna: *Some* of the fauna identified within the project site include rat (*Rattus rattus*), mouse (*Mus musculus*), feral cat (*Felis catus*) and feral dog (*Canis familiaris*). One endemic mammal, Hawaiian Hoary Bat (*Lasiurus cinereus semotus*) have been known to frequent the area.

Common birds identified in the area include the Golden Plover, the Barred dove, Lace-necked dove, Common Mynah and the endemic Hawaiian Short-eared Owl. Nine species of indigenous birds including the Laysan Albatross, Wedge-tailed Shearwater, Brown Booby, Black Noddy Tern, and the Black-crowned Night-Heron.

3.2.2 Flora: This inland area is dominated by koa-hale, kiawe, Guinea grass, guava, and lantana, albezia, mango, and African tulip.

3.3 Soils & Geology

Soils on the parcel are favorable for the project as they are generally stable for supporting building foundations, and good sources for road fill and topsoil.

Kauai is the northern most, and geologically, the oldest island in the Hawaiian chain. The island's highest point is measured at Kawaikini Peak at 5,170 feet. Kauai measures 33 miles long and 25 miles wide, with a land area of 555 square miles or 355,000 acres. According to the United States' Department of Agriculture Soil Conservation Services' Soil Survey of the Island of Kauai, sheet number 24, soils within the project area are classified as Kapaa Silty Clay.

These soils consist of well-drained, stony and rocky soils that are weathered from basic igneous rock. These soils occur in areas that are gently sloping with elevations ranging from sea level to 360 feet. The annual average temperatures of these soils are 74 degrees Fahrenheit, and are associated with Koloa soils. Permeability is moderate. Runoff is slow and the erosion hazard is slight. Kapaa Series soils are considered good sources for topsoil and road fill, and are favorable for supporting building foundations.

3.4 Topography

The affected site and surrounding site is defined by a natural valley that stretches from Waipouli Mauka, extending across Kapaa Homesteads, down to Kapaa Town.

3.5 Surroundings

The adjacent properties can be defined as "rural" in nature and form. The neighborhood consists of small farms and ranches, farm dwellings, and a rural-residential setting.

3.6 Meteorology

The eastside of Kauai with its low rainfall and sunny climate provides an ideal atmosphere for residential, business and recreational use. Relative to data obtained from the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA), the trade winds have a large influence on the climate throughout the island. Normal annual average precipitation at Kapaa is approximately 22.2 inches, with the driest months being June through August. In comparison, the normal annual rainfall for the island is 40 inches, three-fourths of which occurs from October through April. Waialeale holds the distinction of having the highest recorded average of rainfall in the world of 460 inches per year.

The leeward side of the island is characterized as having drier and hotter weather. The prevailing winds (trades) generally blow offshore much of the year, with the strongest winds occurring during the summer months. During calm weather, a diurnal land-sea breeze cycle, common to coastal locations, often develops. Strong winds associated with low-pressure systems (Kona and Niihau winds) may occur during the winter months.

The climate in Kapaa maintains an annual average temperature of 85 degrees Fahrenheit.

3.7 FIRM

The National Flood Insurance Program (NFIP) requires the local government (County) to adopt Flood Plain Management programs, which delineate the 100-year and 500-year flood plain boundaries. The boundaries, which are determined by the Federal Emergency Management Agency (FEMA), indicate a 1-percent annual chance of flooding in the 100-year zone, and a 0.2-percent annual chance of flooding in the 500-year zone.

In applying Kauai County's flood standards to the project, it has been determined that the project will not increase storm water runoff by significantly altering current ground drainage characteristics or changing existing drainage patterns. According to Community Panel Number 0192 D, of the Federal Flood Insurance Rate Maps (FIRM) portions of the property are classified as Zone X (Unshaded). These areas have been determined to be outside the 500-year flood plain. In addition, the western portion of the property, along Kapaa Stream is within the Special Flood Hazard Areas (SFHA) inundated by the 100-year flood. The base flood elevation is established at approximately 202 above mean sea level. The stream is designated as the floodway area.

3.8 Cultural

The proposed action will not impact any cultural resources or sites. The Department of Land & Natural Resources, State Historic Preservation Division has determined that the proposed action (easement) will have no adverse impacts to cultural sites (*Figure-C*).



STATE OF HAWAII
 DEPARTMENT OF LAND AND NATURAL RESOURCES
 STATE HISTORIC PRESERVATION DIVISION
 601 KAMOKILA BOULEVARD, ROOM 555
 KAPOLEI, HAWAII 96707

LAURA H. THIELER
 CHAIRPERSON
 BOARD OF LAND AND NATURAL RESOURCES
 COMMISSION ON WATER RESOURCES MANAGEMENT
 RUSSELL V. THIELER
 FIRST DEPUTY
 KEN C. KAWAHARA
 DEPUTY DIRECTOR - WATER
 AQUATIC RESOURCES
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 BUREAU OF CONSERVATION
 COMMISSION ON WATER RESOURCES MANAGEMENT
 CONSERVATION AND CULTURAL LANDS
 CONSERVATION AND RESOURCES INFORMATION
 DIVISIONS
 FORESTRY AND WILDLIFE
 HISTORIC PRESERVATION
 LAND AND OCEAN RESOURCES COMMISSION
 LAND
 STATE PARKS

May 14, 2009

Roland D. Sagum III
 Applied Planning Systems
 P.O. Box 958
 Lawai, Hawaii 96765

LOG NO: 2009.2310
 DOC NO: 0905NM09
 Archaeology

Dear Mr. Sagum:

**SUBJECT: Chapter 6E-42 Historic Preservation Review – Request for Information
 Kapaa Homesteads, Second Series
 Kapaa, Kawaihau, Kauai
 TMK: (4) 4-4-13: 25**

Upon review of our files, there are no sites on this parcel that are listed on the State or National Register of Historic Places. We believe any project conducted in this area will have a “no effect on historic properties”

If you have any questions, please call me at 692-8015.

Aloha,

Nancy A. McMahon,
 Deputy State Historic Preservation Officer

3.9 Infrastructure

3.9.1 Potable Water

The subject property is serviced by a domestic water service which is owned and managed by the Kauai County, Department of Water.

3.9.2 Wastewater

The project is not serviced by a municipal wastewater treatment plant. The existing farm dwelling consists of an individual wastewater disposal system.

3.9.3 Drainage

There are no apparent drainage problems on the property. The Kapaa Series soils prevalent on the property are easily drained.

3.9.4 Roads

Access into the property is available from Kawaihau Road and from Kanepoonui Road. Both roads are under the jurisdiction of the County of Kauai.

3.9.5 Electricity

Electrical service to the property is provided by Kauai Island Utility Cooperative (KIUC) via overhead transmission lines.

3.9.6 Solid Waste

All solid wastes that are generated or accumulated on-site will be hauled to a County approved landfill or refuse transfer station. The nearest land fill is located at Kekaha, while the nearest transfer station is at Kapaa.

4.0 ZONING & LAND USE

4.1 State Land Use District

The subject property is classified as “Agricultural” by the State Land Use Commission. As such, the proposed activity is permissible and is consistent with land uses for this District.

4.2 Zoning

The subject property is zoned “Agriculture” and “Open” by the County of Kauai. Pursuant to Section 8-8.3 of Chapter 8, Kauai County Code, pasturing of animals is a permitted activity.

4.3 Kauai General Plan

The Kauai General Plan, as amended, designates the subject property as “Agriculture”. The intended purpose behind this designation is to recognize the historic use of the area as a blend of residential with the historic commercial. The proposed activity is consistent with the General Plan policy for Agriculture, in that:

4.3.1: Policy (5.2.1a): Lands included within the Agriculture designation shall be predominately used for or held in reserve to be used in the future for agriculture activities.

RESPONSE: The Petitioner is intending to maintain legal access in perpetuity to the mauka portion of the subject parcel, for the pasturing of cattle and horses, and other accessory uses that are permitted by zoning and general plan designation.

4.3.2 Policy (5.2.1b2): The primary intent of the Agriculture designation is to...assure a sufficient supply of land available for sale or lease at a cost that is economically feasible for agricultural enterprise,

RESPONSE: The petitioner is intending to protect the agricultural integrity of the property by assuring the farm's legal right of access to the mauka portion of the farm, which traverses a state stream.

4.3.3 Policy (5.2.1e): The secondary intent of the Agriculture designation is to provide an opportunity for Kauai citizens to reside in an agricultural community. An "agricultural community" is an area that has both agricultural uses and residences.

RESPONSE: *The subject property is accessed by a government road, serviced by a municipal potable water system, and contains one farm dwelling, which houses the petitioner's family.*

4.3.4 Policy (5.2.1h1): The following principles shall be applied in the development of an agricultural community: (1) maintain irrigation works and easement where feasible and beneficial to existing or potential agricultural uses within the site or downstream.

RESPONSE: The Petitioner is seeking a grant of easement to access the mauka portion of his parcel, uses that are consistent and accessory in the Agricultural District

4.3.5 Policy (5.2.2): The importance of open agricultural lands in maintaining Kauai's rural character and its economic viability as a visitor destination.

RESPONSE: The Petitioner seeks to preserve the rural landscape by increase the agricultural capacity on the property.

4.4 Kapaa-Wailua Development Plan

The community development plan sets forth goals and policies to guide future development and improvement for this planning area. Granting the easement is consistent with the following goals of the Kapaa-Wailua Community Development Plan in that:

4.4.1 The Community Goals:

- a) To insure that all physical growth is consistent with the overall ecology of the island.
- b) To promote and protect the health, safety, and welfare of all residents.

- c) To promote the improvement and expansion of the island's economy by recognizing and carefully utilizing land and water resources.
- d) To provide workable planning tools to meet the changing needs of the community.

4.4.2 The Community Development Strategy:

“The role of public agencies is becoming all the more important in establishing a healthy investment climate for improving and developing the Kapaa-Wailua area, rehabilitation of the town recreational center and public service complex, and acceleration of public improvements all serve to signal a future of social and economic improvement for the community.”

“The improvement program should not neglect the social side of community development, the strategy calls for complementary social programs for the elderly, the disadvantaged, the small businessmen and for youth...”

4.5 Coastal Zone Management

The entire property is situated outside the Special Management Area (SMA) of the County of Kauai. The SMA rules and regulations are administered by the Kauai County Planning Department. Authority of the SMA is provided through the Federal Coastal Zone Management Act of 1972, as amended, and the Hawaii State Coastal Zone Management Act of 1977, as defined in Section 205A of the Hawaii Revised Statutes (HRS). SMA boundaries generally extend 100 yards landward of the shoreline, at a minimum, around the entire island, and may extend up to several miles in some areas.

As stated previously, the property is situated outside the boundaries of the SMA. However, the proposed action is consistent with the SMA goals and objectives in that it will not:

- 4.5.1** Involve dredging, filling or otherwise altering any bay, estuary, salt marsh, river mouth, sloughs, or lagoon.
- 4.5.2** Reduce the size of any beach or other area usable for public recreation.

- 4.5.3** Reduce or impose restrictions upon public access to tidal or submerged lands, beaches, and portions of rivers and streams within the Special Management Area and the mean high tide line where there is no beach.
- 4.5.4** Interfere or detract from the line of sight towards the sea from the State highway nearest the coast, or from existing public views to and along the shoreline.
- 4.5.5** Adversely affect water quality, existing area of open water free of visible structures, existing and potential fisheries and fishing grounds, wildlife habitats, estuary sanctuaries, potential or existing agricultural uses of land.

In addition, the proposed development and use will not have any substantially adverse environmental or ecological effects, and will not impact any wetland, submerged lands, tidal basin, or navigable waters.

5.0 PROBABLE IMPACTS & PROPOSED MITIGATION

5.1 Short-term Impacts

Only a few potential impacts could be identified.

5.1.1 Impact to MAHELONA Hospital

A positive impact, because the proposed action supports the existing community, and insures a critical mass in population that may use the facility.

5.1.2 Safety to the surrounding community

Granting the easement will not affect the three-dimensional appearance or use of the neighborhood. The use is consistent with the historical use of the property and the Agricultural nature of the community.

5.1.3 Intensity of Use

The granting of the easement will not cause an intensification of use. Zemel Farms is a small, family owned farm, who intends to continue the heritage with the pasturing of cows and the growing of orchard crops. The public will not be visiting the property as a part of the conduct of its business.

5.2 Long-term Impacts

No long term major negative impacts are expected as a result of granting the easement.

6.0 ALTERNATIVES CONSIDERED

6.1 Other Alternatives

The petitioner could theoretically negotiate with adjacent land owners (TMK: 4-4-13:26) for access, however without any assurance of the desired outcome.

6.2 No Action Alternative

No Action: Failure to grant the easement compromises the ownership quality of the property, leading to its selling, and the eventual closing of the current farming operation.

7.0 SIGNIFICANCE CRITERIA

7.1 Involves an irrevocable commitment to loss or destruction of any natural or cultural resource;

RESPONSE: No natural or cultural resources will be lost due to granting of the easement.

No archaeological or historical sites are known to exist at the site. According to the Department of Land & Natural Resources, State Historic Preservation Division (DLNR, SHPD), the proposed action will have no impact on historic properties in the area .

7.2 Curtails the range of beneficial uses of the environment;

RESPONSE: *Granting of the easement will insure the long-term use of the property in Agriculture, and accessory land uses.*

7.3 Conflicts with the State's long-term environmental policies or goals and guidelines as expressed in Chapter 344, HRS, and any revision thereof and amendments thereto, court decisions, or executive orders;

RESPONSE: *The project is located on land that has been designated as "Agricultural" by the State and zoned "Agriculture/Open" by the County of Kauai. Therefore, the proposed action will have no conflict on the State's long-term environmental policies.*

7.4 Substantially affects the economic or social welfare of the community or State;

RESPONSE: *Zemel Farms supports the agriculture industry and the economic welfare of Kauai, and the State of Hawaii.*

7.5 Substantially affects public health;

RESPONSE: *Granting easement will not negatively affect public health.*

7.6 Involves substantial secondary impacts, such as population changes or effects on public facilities;

RESPONSE: *Granting of the easement will not increase the resident population in the area.*

7.7 Involves a substantial degradation of environmental quality;

RESPONSE: *Granting of easement does not involve a substantial degradation of the environment. The project does not involve the use, generation, or storage of noxious byproducts. The farm employs best management practices during all phases of operation, and is not expected to increase the vehicular traffic or intensity of land uses in the area.*

7.8 Is individually limited but cumulatively has a considerable effect upon the environment or involves a commitment for larger actions;

RESPONSE: *Granting the easement does not intrude into the physical environment. The easement only provides legal access to the back portion of the property.*

7.9 Substantially affects a rare, threatened, or endangered species, or its habitat;

RESPONSE: *The easement area and surrounding lands has not been identified as habitat for rare or endangered species of plant or animals.*

7.10 Detrimentially affects air or water quality or ambient noise levels;

RESPONSE: *The most noticeable noise impacts are expected to occur during construction and are short-term, and will return back to normal levels upon completion of the project improvements.*

7.11 Affects or is likely to suffer damage by being located in an environmentally sensitive area, such as a floodplain, tsunami zone, or beach. Erosion prone area, geologically hazardous land, estuary, fresh water, or coastal waters;

RESPONSE: *The site is not located within a tsunami zone, drainage constraint, or flood hazard area.*

7.12 Substantially affects scenic vistas and view-planes identified in county or state plans or studies;

RESPONSE: *No. Zemel Farms are not located within a view corridor or community recognized scenic vista. Furthermore, the project is not visible from Kuhio Highway which is the nearest State-owned highway in the area. In addition, the project is screened with landscaping from Kanepoonui Road.*

7.13 Requires substantial energy consumption.

RESPONSE: *The proposed action does not result in an increase in energy consumption requirements. The current energy demands are very similar to that of a residential or farming facility. In addition, the*

property will be able to take full advantage of pre-existing facilities and services to the property, and therefore will not place any burden upon KIUC to upgrade its generation facilities.

8.0 PROJECT JUSTIFICATION

- 8.1** The petitioner has implemented "best management practices" for Zemel Farms.
- 8.2** The proposed action is consistent with the historical use of the property for agriculture and including accessory uses.
- 8.3** In addition, granting of the easement will not:
 - 8.3.1** Involve dredging, filling or otherwise altering any bay, estuary, salt marsh, river mouth, slough, or lagoon.
 - 8.3.2** Reduce the size of any beach or other area unusable for public recreation.
 - 8.3.3** Reduce or impose restrictions upon public access to tidal and submerged lands, beaches, portions of rivers and streams within the Special Management Area and the mean high tide line where there is no beach.
 - 8.3.4** Interfere or detract from the line of the sight toward the sea from the State Highway nearest the coast, or from existing public views to and along the shoreline.
 - 8.3.5** Adversely affect water quality, existing area of open water free of visible structure, existing and potential fisheries and fishing grounds, wildlife habitats, estuarine sanctuaries, potential or existing agriculture uses of land.
 - 8.3.4** Result in any substantial, adverse environmental or ecological effects. The proposed use of the site does not include the handling and storage of fuels, oils, and chemicals.
 - 8.3.5** Result in the destruction of natural and scenic features since the improvements will occur in an area previous disturbed by grubbing, grading and other earth leveling activities.
 - 8.3.6** Adversely affect any wetland, submerged lands, tidal basins, or navigable waters.

- 8.3.7** Require extensions to existing traffic networks.
- 8.3.8** Result in the disruption of natural drainage patterns.
- 8.3.9** Increase demand for energy power generation and transmission lines.
- 8.3.10** Burden public agencies to provide additional government services, in that:
 - 8.3.10.1** Telephone, electrical, and cable TV service currently exists to the property.
 - 8.3.10.2** No new roads are required as access to the property can be gained directly from Kawaihau Road and Kanepoonui Road
 - 8.3.10.3** No new potable water improvements will be required, since the site is presently serviced by a County-managed system.
 - 8.3.10.4** Police and fire protection is already available to the area. A fire standpipe is located directly in front of the property on Kanepoonui Road. The Kapaa Fire Station is located within three miles of the property.
- 8.4** The property is in a somewhat isolated location and away from residential settlements, yet close to urban level of services, such as police, fire, and medical facilities.

9.0 DETERMINATION

It can be determined that the nature, scale, and purpose of the proposed action will have no adverse or significant impacts on the environment and surround area. It can be further concluded that anticipated impacts resulting from the granting of an easement to Steven Zemel can be properly mitigated, and therefore the proposed action does not result in any significant environmental effects. A Finding of No Significant Impact (FONSI) is therefore anticipated.

10.0 CONSULTED PARTIES

Planning Department
Department of Water

Department of Health
Kauai Police Department
DPW, Parks
DLNR, Land Management
DLNR, SHPD
Office of Hawaiian Affairs
Department of Hawaiian Home Lands
Kauai Fire Department
Office of Planning

11.0 CERTIFICATION

Finding of No Significant Impact (FONSI)

The project will not result in a significant negative impact on the quality of the human environment.

Finding of Significant Impact

The project may significantly affect the quality of the human environment.

Preparer Signature:

_____ **Date** _____
Name/Title/Agency: Roland D. Sagum, III, Applied Planning Systems

Responsible Entity Approving Official Signature:

_____ **Date** _____
Name/Title/Agency: Thomas Oi, Kauai Land Manager, DLNR