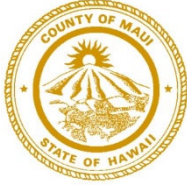


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**JOSIAH K. NISHITA**  
Managing Director

**BRADFORD K. VENTURA**  
Fire Chief

**GAVIN L.M. FUJIOKA**  
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**DEPARTMENT OF FIRE & PUBLIC SAFETY**  
COUNTY OF MAUI  
200 DAIRY ROAD  
KAHULUI, MAUI, HAWAII 96732  
[www.maui-county.gov](http://www.maui-county.gov)

February 5, 2024

Ms. Mary Alice Evans  
State of Hawai'i  
Office of Planning and Sustainable Development  
Environmental Review Program  
235 South Beretania Street, Suite 702  
Honolulu, Hawai'i 96813

Subject: 2<sup>nd</sup> Draft Environmental Assessment and Anticipated Finding of No Significant Impact for the Proposed Ha'ikū Fire Station and Related Improvements Project at Ha'ikū, Maui, Hawai'i

Aloha Ms. Evans:

The 2<sup>nd</sup> County of Maui Department of Fire & Public Safety (DF&PS) hereby transmits the Updated Draft Environmental Assessment (DEA) and Anticipated Finding of No Significant Impact (AFNSI) for the Ha'ikū Fire Station and Related Improvements project for publication in the next available edition of the Environmental Notice. The proposed project will affect a portion of Tax Map Key (2)2-7-007:008.

It is noted that a DEA was published in the Office of Environmental Quality Control's (now known as The Environmental Review Program (ERP)) Environmental Notice on January 8, 2011 for the proposed Ha'ikū Fire Station. However, since the original plans for the proposed Ha'ikū Fire Station in the DEA generated some community concerns, additional community consultation, studies, and agency coordination were carried out. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a substantial reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawai'i Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide additional comments prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) and completion of the environmental review process pursuant to HAR, Chapter 11-200.

Mary Alice Evans, Director  
January 24, 2024  
Page 2

In addition to this letter, we have also submitted the electronic version of the Environmental Review Program Publication Form and a searchable PDF-formatted copy of the DEA-AFNSI through the online submission platform.

If you have any questions, please contact our planning consultant, Hoku Krueger of Munekiyo Hiraga at (808)244-2015 or via email at [hoku@munekiyohiraga.com](mailto:hoku@munekiyohiraga.com).

Sincerely,



BRADFORD VENTURA  
Fire Chief

cc: Rylan Yatsushiro, Department of Fire & Public Safety  
Terry MacFarland, AHL  
Arthur Watrous, AHL  
Mark Alexander Roy, Munekiyo Hiraga  
Hoku Krueger, Munekiyo Hiraga

K:\DATA\AHL\Haiku Fire Stn Update\Applications\Draft EA\ERP\((draft) AFNSI Letter.doc

**From:** [webmaster@hawaii.gov](mailto:webmaster@hawaii.gov)  
**To:** [DBEDT OPSD Environmental Review Program](#)  
**Subject:** New online submission for The Environmental Notice  
**Date:** Thursday, January 25, 2024 2:29:03 PM

---

**Action Name**

Ha'ikū Fire Station and Related Improvements Project

**Type of Document/Determination**

Draft environmental assessment and anticipated finding of no significant impact (DEA-AFNSI)

**HRS §343-5(a) Trigger(s)**

- (1) Propose the use of state or county lands or the use of state or county funds

**Judicial district**

Wailuku, Maui

**Tax Map Key(s) (TMK(s))**

(2)2-7-007:008(Por.)

**Action type**

Agency

**Other required permits and approvals**

See Chapter VIII of the DEA.

**Proposing/determining agency**

County of Maui, Department of Fire & Public Safety

**Agency contact name**

Bradford Ventura

**Agency contact email (for info about the action)**

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**Was this submittal prepared by a consultant?**

Yes

**Consultant**

Munekiyo Hiraga

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Cathleen Krueger

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Wailuku, HI 96793  
United States  
[Map It](#)

**Action summary**

The County of Maui, Department of Fire and Public Safety (DF&PS) proposes to construct a new approximately 10,360 square-foot fire station and related improvements in the vicinity of the Hāna Highway-East Kuiaha Road Intersection in Ha‘ikū. The proposed project will be located on a 6.1-acre portion of a 27.9-acre parcel of land.

It is noted that a Draft Environmental Assessment (DEA) was published in the Office of Environmental Quality Control’s Environmental Notice on January 8, 2011 for the proposed project. However, since the original plans for the proposed project in the DEA generated some community concerns, additional community consultation, studies, and agency coordination were carried out, resulting in design refinements. In light of the refinements and reduction in project scope, the DF&PS has decided to publish a 2nd DEA (titled as “Updated Draft EA”) to disclose the revised scope of the project, evaluate its potential impacts, and obtain public review and comments.

**Reasons supporting determination**

See Chapter VII of the DEA.

**Attached documents (signed agency letter & EA/EIS)**

- [Haiku-Fire-Final-Draft-EA-VOLUME-II-of-II-2024.pdf](#)
- [Haiku-Fire-Final-Draft-EA-VOLUME-I-OF-II-2024.pdf](#)
- [2nd-Draft-Environmental-Assessment-AFNSI-Letter.pdf](#)

**Action location map**

- [Shapefiles.zip](#)

**Authorized individual**

Cathleen Krueger

**Authorization**

- The above named authorized individual hereby certifies that he/she has the authority to make this submission.

# VOLUME I OF II

## Updated Draft Environmental Assessment

### PROPOSED HA'IKŪ FIRE STATION AND RELATED IMPROVEMENTS TMK NO. (2)2-7-007:008(por.)

Prepared for:  
County of Maui,  
Department of Fire and Public Safety

February 2024

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MUNEKIYO HIRAGA

Planning. Project Management. Sustainable Solutions.

# **VOLUME I OF II**

# **Updated Draft Environmental Assessment**

## **PROPOSED HA'IKŪ FIRE STATION AND RELATED IMPROVEMENTS TMK NO. (2)2-7-007:008(por.)**

**Prepared for:  
County of Maui,  
Department of Fire and Public Safety**

**February 2024**

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# CONTENTS

	<u>Page</u>
Executive Summary .....	v
List of Acronyms .....	vii
I. PROJECT OVERVIEW .....	1
A. PROJECT LOCATION, EXISTING USE, AND OWNERSHIP .....	1
B. PROPOSED ACTION .....	1
C. PROJECT NEED .....	6
D. CHAPTER 343, HAWAI'I REVISED STATUTES.....	7
E. REGULATORY REQUIREMENTS.....	8
F. PROJECT SCHEDULING.....	9
II. DESCRIPTION OF THE EXISTING ENVIRONMENT, POTENTIAL IMPACTS AND MITIGATION MEASURES.....	10
A. PHYSICAL SETTING.....	10
1. Surrounding Land Uses.....	10
2. Climate, Topography, and Soils.....	11
3. Agriculture .....	17
4. Flood and Tsunami Conditions .....	20
5. Wildfire Hazard.....	21
6. Flora and Fauna .....	22
7. Historical and Archaeological Resources.....	24
8. Cultural Assessment .....	26
9. Air and Noise Quality.....	29
10. Scenic and Open Space Resources .....	30
B. SOCIO-ECONOMIC ENVIRONMENT .....	31
1. Population and Economy.....	31
C. PUBLIC SERVICES.....	32
1. Police and Fire Protection .....	32
2. Medical Facilities .....	33
3. Solid Waste .....	33
4. Recreational Resources .....	33
5. Educational Facilities.....	34
D. INFRASTRUCTURE .....	34
1. Roadways .....	34
2. Water System.....	37
3. Wastewater System .....	38
4. Drainage.....	39
5. Electrical, Telephone and Cable Services .....	41
E. CUMULATIVE AND SECONDARY IMPACTS .....	42
III. RELATIONSHIP TO GOVERNMENTAL PLANS, POLICIES, AND CONTROLS.....	43

A.	STATE LAND USE DISTRICTS.....	43
B.	LAND USE COMMISSION RULES, CHAPTER 15-15, HAWAI'I ADMINISTRATIVE RULES .....	43
C.	HAWAI'I STATE PLAN.....	45
D.	STATE FUNCTIONAL PLAN .....	54
E.	GENERAL PLAN OF THE COUNTY OF MAUI .....	59
	1. Countywide Policy Plan .....	59
	2. Maui Island Plan.....	62
F.	PA'IA-HA'IKU COMMUNITY PLAN.....	69
G.	ZONING.....	74
H.	COASTAL ZONE MANAGEMENT OBJECTIVES AND POLICIES .....	77
	1. Recreational Resources .....	77
	2. Historic Resources .....	79
	3. Scenic and Open Space Resources .....	80
	4. Coastal Ecosystems.....	81
	5. Economic Uses .....	81
	6. Coastal Hazards.....	82
	7. Managing Development.....	82
	8. Public Participation .....	83
	9. Beach and Coastal Dune Protection.....	84
	10. Marine and Coastal Resources .....	84
IV.	SUMMARY OF UNAVOIDABLE IMPACTS ON THE ENVIRONMENT AND RESOURCES.....	87
V.	ALTERNATIVES TO THE PROPOSED ACTION .....	88
A.	PREFERRED ALTERNATIVE.....	88
B.	SITE SELECTION ALTERNATIVE .....	88
C.	PROJECT DESIGN ALTERNATIVES .....	89
D.	WATER INFRASTRUCTURE ALTERNATIVES.....	89
E.	ORIGINAL PROJECT SCOPE ALTERNATIVE.....	90
F.	NO ACTION ALTERNATIVE.....	91
G.	DEFERRED ACTION ALTERNATIVE.....	92
VI.	IRREVERSIBLE AND IRRETRIEVABLE COMMITMENTS OF RESOURCES .....	93
VII.	SIGNIFICANCE CRITERIA ASSESSMENT .....	94
VIII.	LIST OF PERMITS AND APPROVALS .....	97
IX.	PARTIES CONSULTED DURING THE PREPARATION OF THE DRAFT ENVIRONMENTAL ASSESSMENT; LETTERS RECEIVED AND RESPONSES TO SUBSTANTIVE COMMENTS.....	98
X.	LETTERS RECEIVED DURING THE DRAFT ENVIRONMENTAL ASSESSMENT REVIEW PERIOD; AND RESPONSES TO SUBSTANTIVE COMMENTS .....	201
XI.	REFERENCES.....	i



## List of Figures

	<u>Page</u>
<b>Figure 1.</b> Regional Location Map .....	2
<b>Figure 2.</b> Property Location Map .....	3
<b>Figure 3.</b> Architectural Rendering.....	4
<b>Figure 4.</b> Site Plan .....	5
<b>Figure 5.</b> Soil Association Map.....	12
<b>Figure 6.</b> Soils Classification Map .....	13
<b>Figure 7.</b> Agricultural Lands of Importance to the State of Hawai'i .....	15
<b>Figure 8.</b> Land Study Bureau Map .....	16
<b>Figure 9.</b> State Land Use Designations Map.....	44
<b>Figure 10.</b> Maui Island Plan Map .....	64
<b>Figure 11.</b> Community Plan Land Use Designations .....	70
<b>Figure 12.</b> Maui County Zoning Map .....	75
<b>Figure 13.</b> Special Management Area Map .....	78

## List of Tables

	<u>Page</u>
<b>Table 1.</b> Summary of Requested Land Use Amendments for Ha'ikū Fire Station Project.....	8
<b>Table 2.</b> Agriculture Summary, Maui County .....	17
<b>Table 3.</b> Farm Acreage for Select Crops, Maui County .....	18
<b>Table 4.</b> Number of Crop Farms by Type, Maui County .....	19
<b>Table 5.</b> Summary of Level of Service Analysis .....	35
<b>Table 6.</b> Summary of Existing Drainage Conditions Affecting Project Site for the 50-Year, 1-Hour Storm.....	39
<b>Table 7.</b> Summary of Post-Development Drainage Conditions Affecting Project Site for the 50-Year, 1-Hour Storm .....	40
<b>Table 8.</b> Hawai'i State Plan, Chapter 226, HRS Part I. Overall Themes, Goals, Objectives and Polices (HRS 226-1 to 226-27).....	46
<b>Table 9.</b> Hawai'i State Plan, Chapter 226, HRS Part III. Priority Guidelines (Chapters 226-101 to 226-109).....	53
<b>Table 10.</b> Relationship Between the Proposed Ha'ikū Fire Station and Related Improvements and the State Functional Plans.....	56
<b>Table 11.</b> Countywide Policy Plan.....	60
<b>Table 12.</b> Maui Island Plan Goals, Objectives and Policies.....	65

## List of Appendices – (Volume II of II)

<b>Appendix A.</b>	Preliminary Development Plans
<b>Appendix B.</b>	Biological Resources Survey
<b>Appendix C-1.</b>	Archaeological Inventory Survey Report
<b>Appendix C-2.</b>	Archaeological Inventory Survey Acceptance Letter from the State Historic Preservation Division
<b>Appendix D.</b>	Cultural Impact Assessment Report
<b>Appendix E-1.</b>	Traffic Impact Analysis Report
<b>Appendix E-2.</b>	Traffic Update Letter
<b>Appendix F-1.</b>	Preliminary Engineering Report
<b>Appendix F-2.</b>	PreFinal Drainage Report
<b>Appendix G-1.</b>	Hawai'i State Plan
<b>Appendix G-2.</b>	Countywide Policy Plan
<b>Appendix G-3.</b>	Maui Island Plan
<b>Appendix H-1.</b>	Site Selection PowerPoint Presentation Dated April 10, 2007
<b>Appendix H-2.</b>	2021 Feasibility Study

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## **Executive Summary**

<b>Project Name:</b>	Proposed Ha'ikū Fire Station and Related Improvements
<b>Type of Document:</b>	Updated Draft Environmental Assessment
<b>Legal Authority:</b>	Chapter 343, Hawai'i Revised Statutes
<b>Anticipated Determination:</b>	Anticipated Finding of No Significant Impact (AFNSI)
<b>Applicable Environmental Assessment review "Trigger":</b>	Use of County Funds, Use of State/County Lands, and Amendment to County Community Plan
<b>Location:</b>	Maui Island Ha'ikū TMK No. (2)2-7-007:008(por.)
<b>Landowner:</b>	County of Maui
<b>Applicant:</b>	County of Maui, Department of Fire and Public Safety
<b>Approving Agency:</b>	County of Maui, Department of Fire and Public Safety 200 Dairy Road Kahului, Hawai'i 96732 Contact: Bradford Ventura, Fire Chief Phone: (808) 270-7561
<b>Consultant:</b>	Munekiyo Hiraga 305 High Street, Suite 104 Wailuku, Hawai'i 96793 Contact: Hoku Krueger, Associate Phone: (808) 244-2015
<b>Project Summary:</b>	The County of Maui, Department of Fire and Public Safety (DF&PS) proposes the construction of a new approximately 10,360 square-foot fire station and related improvements in the vicinity of the intersection of Hāna Highway and East Kuiaha Road in Ha'ikū, Maui. The proposed facility will be located on a 6.1-acre portion of a 27.9-acre parcel of land and will incorporate state-of-the-art functional and technological elements to

ensure that services delivered meet the life safety mandate of the DF&PS. The implementation of this facility will enhance the County of Maui's ability to provide fire prevention, suppression, and protection services to residents and businesses throughout the Ha'ikū area.

The project site is designated for agricultural use by the State Land Use Commission, the Pa'ia-Ha'iku Community Plan, and Maui County Zoning. To enable project implementation, a Zoning Plan Amendment (ZPA) application must be pursued requesting a District Boundary Amendment (DBA), Community Plan Amendment (CPA), and Change of Zoning (COZ). This ZPA will be initiated and processed by the County of Maui, Department of Planning for the 6.1-acre project site.

Inasmuch as the proposed project involves an amendment to the Pa'ia-Ha'iku Community Plan, the use of County lands and funds, and the installation of driveway and utility improvements within State and County-owned roadways, an Environmental Assessment (EA) has been prepared pursuant to Chapter 343, Hawai'i Revised Statutes (HRS).

It is noted that a Draft EA (DEA) was published in the Office of Environmental Quality Control's (now known as The Environmental Review Program (ERP)) Environmental Notice on January 8, 2011 for the Proposed Ha'ikū Fire Station. However, since the original plans for the proposed Ha'ikū Fire Station in the DEA generated some community and agency concerns, additional community consultation, studies, and agency coordination were carried out, which resulted in design refinements. In light of the refinements and reduction in project scope, the DF&PS has determined that an Updated DEA will be published to adequately disclose the revised scope of the project, obtain public review and comment, and evaluate the potential impacts of the proposed project.

## List of Acronyms

A&B	Alexander & Baldwin, Inc.
AFNSI	Anticipated Finding of No Significant Impact
AIS	Archaeological Inventory Survey
ALISH	Agricultural Lands of Importance to the State of Hawai'i
amsl	above mean sea level
ASTM	American Society for Testing & Materials
BMP	Best Management Practice
cfs	cubic feet per second
CIA	Cultural Impact Assessment
COZ	Change of Zoning
CPA	Community Plan Amendment
DA	Department of Army
DBA	District Boundary Amendment
DEA	Draft Environmental Assessment
DF&PS	County of Maui, Department of Fire and Public Safety
DOFAW	State of Hawai'i, Department of Land and Natural Resources, Division of Forestry and Wildlife
DOH	Hawai'i Department of Health
DWS	Department of Water Supply
EA	Environmental Assessment
ERP	Environmental Review Program
ESA	Environmental Site Assessment
FIRM	Flood Insurance Rate Map
gpm	gallons per minute
HAR	Hawai'i Administrative Rules
HbB and HbC	Soil Classification - two separate classes of Ha'ikū Clay
CZM	Hawai'i Coastal Zone Management Program
HECO	Hawaiian Electric Company
HRS	Hawai'i Revised Statutes
LCA	Land Commission Awards
LEED	Leadership in Energy and Environmental Design
LOS	Level of Service
LSB	University of Hawai'i, Land Study Bureau
LUC	Land Use Commission
MCC	Maui County Code
MIP	Maui Island Plan
ML&P	Maui Land & Pineapple Company
NDA	New Drainage Areas
NFPA	National Fire Protection Association
PDR	PreFinal Drainage Report
PER	Preliminary Engineering Report
RCRA	Resource Conservation and Recovery Act
RGB	Rural Growth Boundary
SCS	Scientific Consultant Services, Inc.
SHPD	State Historic Preservation Division
SIHP	State Inventory of Historic Places

SMA	Special Management Area
TIAR	Traffic Impact Analysis Report
TMK	Tax Map Key
UGB	Urban Growth Boundary
UHERO	University of Hawai'i Economic Research Organization
USACE	U.S. Army Corps of Engineers
USGBC	U.S. Green Building Council
WTF	Water Treatment Facility
ZPA	Zoning Plan Amendment

# PROJECT OVERVIEW



# I. PROJECT OVERVIEW

## A. PROJECT LOCATION, EXISTING USE, AND OWNERSHIP

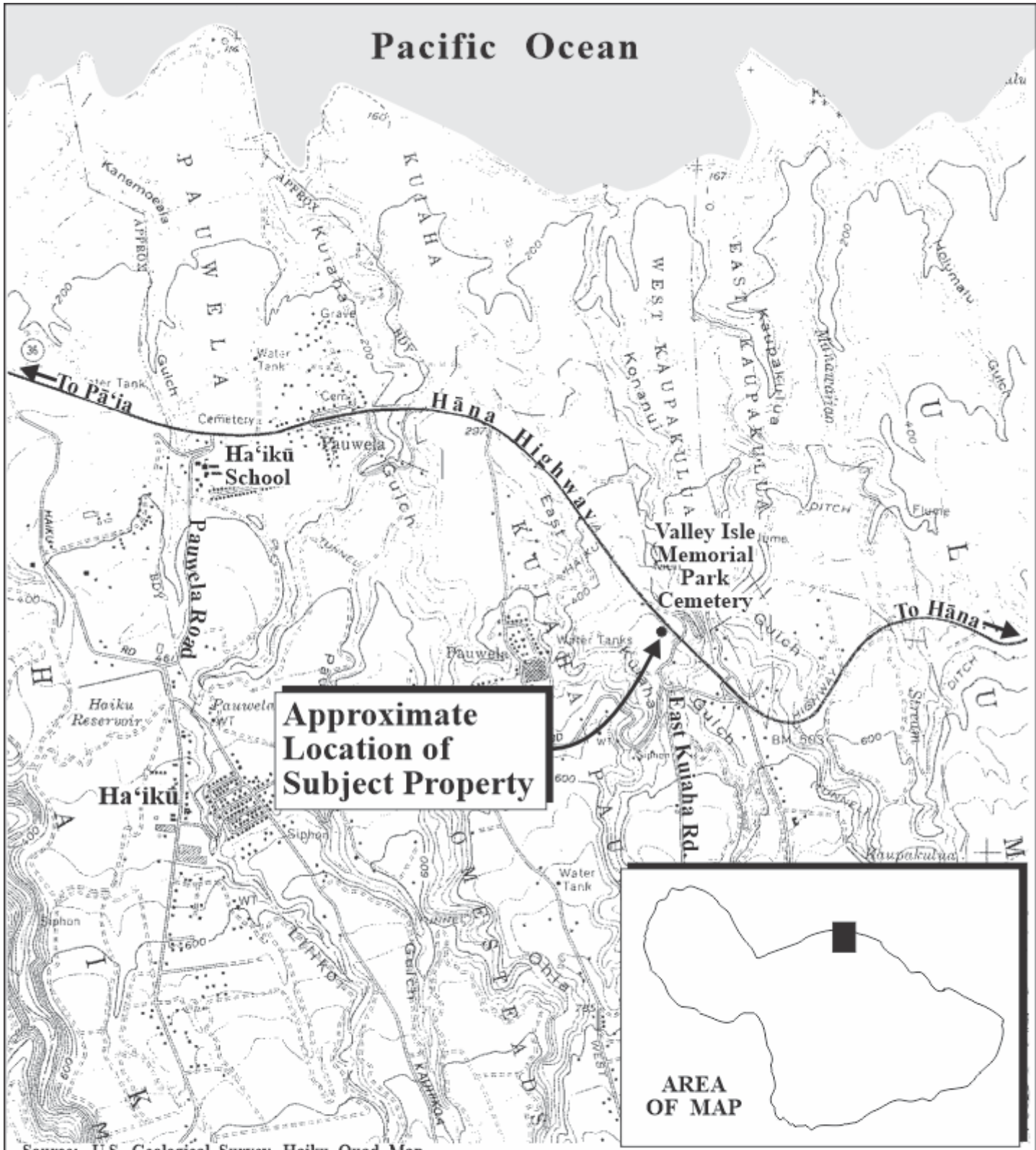
The County of Maui, Department of Fire and Public Safety (DF&PS) is proposing to construct a new fire station and related improvements (hereafter referred to as the “subject project” or “proposed action”) on an approximately 6.1-acre portion of land (hereafter referred to as the “project site”) at Tax Map Key (TMK) (2)2-7-007:008 (por.) (hereafter referred to as “Parcel 8” or “subject property”), Ha’ikū, Maui, Hawai’i. Parcel 8 (approximately 27.9 acres in area), is owned by the County of Maui and is located at the intersection of East Kuiaha Road and Hāna Highway. Parcel 8 was formerly utilized as a plant nursery operation but is not currently in use for agricultural purposes and is currently vacant. Since the County of Maui owns Parcel 8, a subdivision of the 6.1-acre project site from the larger parcel will not be required to develop the proposed project. Access to the site is currently provided via an existing driveway from Hāna Highway. See **Figure 1** and **Figure 2**. Implementation of this new fire station facility will enhance the County of Maui’s ability to provide adequate fire protection services to both residential and commercial/industrial areas located throughout the growing Ha’ikū community.

## B. PROPOSED ACTION

The proposed fire station will be developed on the project site as a low-rise facility and will use plantation design themes similar to that of other commercial/industrial structures located throughout the Pa’ia-Ha’ikū region. See **Figure 3** and **Figure 4**. The plans for the project have been developed in accordance with the architectural and land use objectives set forth in both the Pā’ia-Ha’ikū Country Town Design Guidelines and the Pa’ia-Ha’iku Community Plan. Preliminary Development Plans for the project are presented in **Appendix “A”**.

The fire station facility will consist of administrative, vehicle storage, and utility buildings. Structures within the project site will not exceed 30 feet in height. The main single-story administrative building (approximately 10,360 square feet, including covered exterior walkways) will provide offices, sleeping quarters, crew quarters, training and exercise facilities, dining and kitchen facilities, and other support functions necessary for the estimated 15 personnel that will be assigned to the station. Various other related improvements will be completed as part of project implementation, including the demolition of an abandoned residential building and old slabs; the construction of an approximately 1,600 square foot storage building and a parking lot; the installation of a 40,000 gallon water storage tank, a septic tank, a drainage field, drainage facilities, and utilities; site grading and grubbing; and landscaping. The project will also involve the construction of





Source: U.S. Geological Survey, Haiku Quad Map

**Figure 1** Proposed Ha'ikū Fire Station and Related Improvements  
Regional Location Map



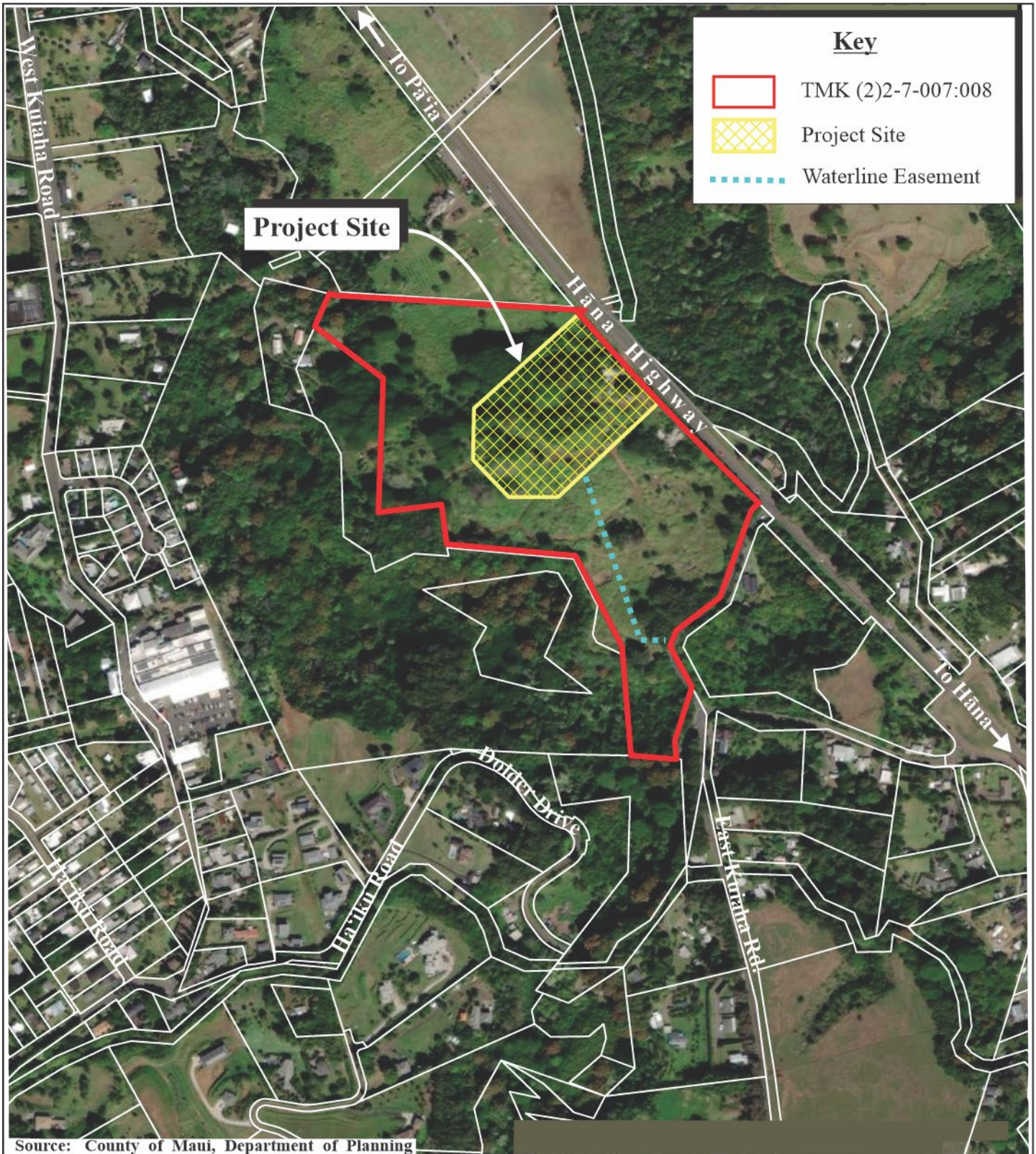


Figure 2 Proposed Ha'ikū Fire Station and Related Improvements  
Property Location Map



Prepared for: County of Maui, Dept. of Fire and Public Safety





Source: County of Maui, Department of Planning

Figure 3

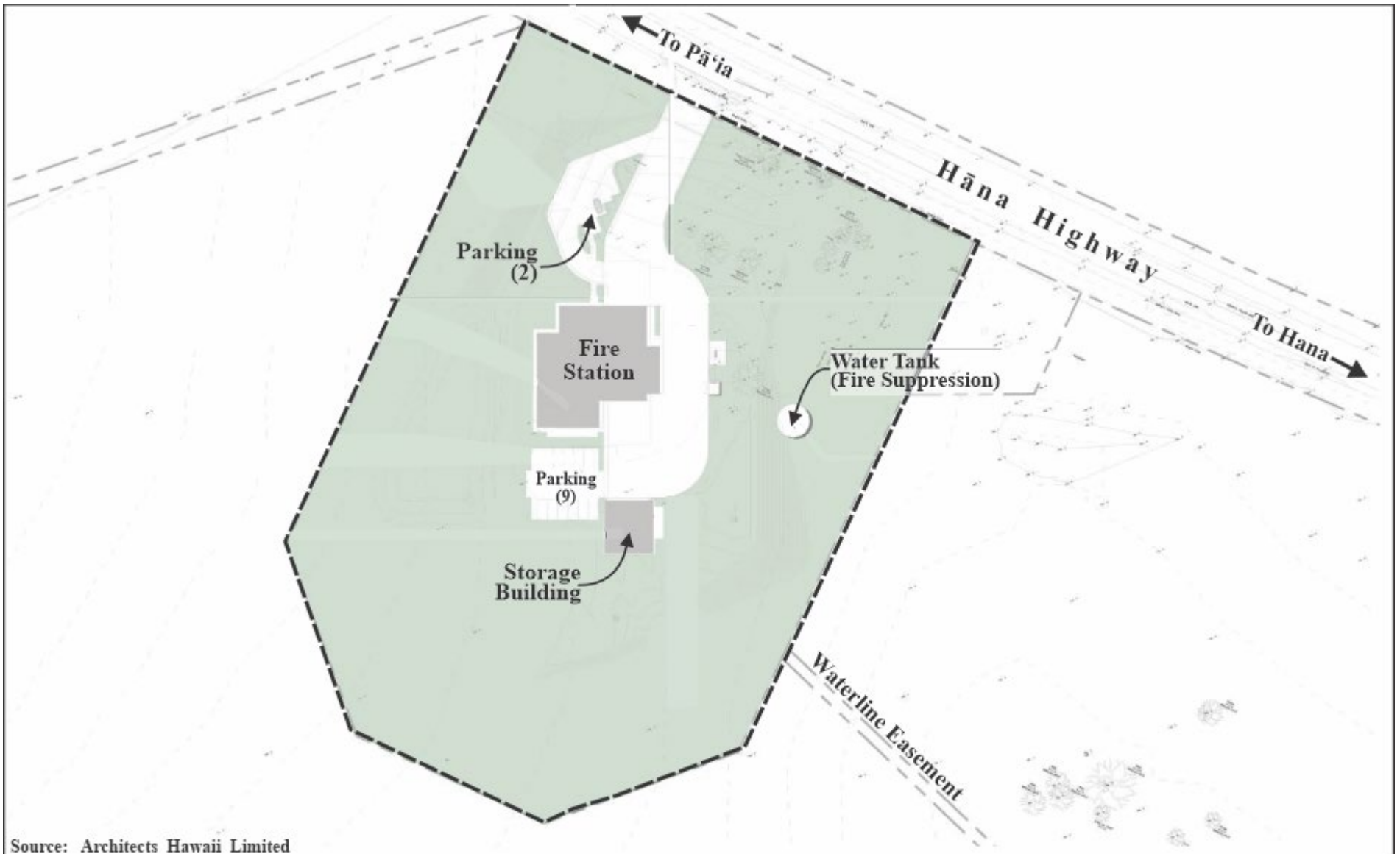
### Proposed Ha'ikū Fire Station and Related Improvements Architectural Rendering

NOT TO SCALE

Prepared for: County of Maui, Dept. of Fire and Public Safety



AHL/Haiku Fire Stn Update/Applications/Figures/Revised Rendering



Source: Architects Hawaii Limited

Figure 4

## Proposed Ha'ikū Fire Station and Related Improvements Site Plan

NOT TO SCALE



Prepared for: County of Maui, Dept. of Fire and Public Safety



AHL/Haiku Fire Sta Update/Applications/Figures/Conceptual SP 2023

an access driveway off of Hāna Highway. This shared driveway will provide access for both emergency and non-emergency vehicles utilizing the facilities at the site. Also, as required by the Department of Water Supply (DWS), DF&PS will install approximately 300 feet of 8-inch water main between the location of the project's laterals and water meters on East Kuiaha Road and the intersection of Ha'ikū Road and East Kuiaha Road.

The DF&PS will implement Firewise landscaping principles to the extent possible to reduce fire risk at the station and in the surrounding community. The following objectives have been used in developing a landscaping plan that is conducive to the sustainable design strategy for the project:

- Minimize landscape maintenance and irrigation requirements.
- Select native Hawaiian plant species that quickly acclimate and thrive within the Ha'ikū micro-climate and promote irrigation efficiency.
- Create a "fire-free" area within five (5) feet of the fire station by using non-flammable landscaping materials to reduce ignitability around the structure.
- Plant fruit trees to provide food for the fire station and surrounding community.

The theme of the fire station will, therefore, reflect a natural yet functional, low-maintenance landscape environment which will provide both visual relief and heat gain reduction for the buildings. The preliminary landscaping plan for the project is also presented in **Appendix "A"**. This plan provides detailed information on the species of palms, shrubs, and groundcover that have been selected for use in the design of the new fire station.

### **C. PROJECT NEED**

As noted previously, the proposed fire station is intended to improve fire protection services throughout the Ha'ikū area by providing a facility in an underserved rural area of Maui. Presently, fire prevention, suppression, and protection services for the Pa'ia-Ha'iku Community Plan region are provided by the County's Pā'ia and Makawao fire stations. The Pā'ia fire station is located on Hāna Highway in Pā'ia town approximately six (6) miles to the west of the project site. The Makawao fire station is situated approximately eight (8) miles to the south of the project site on Makawao Avenue. Both the Pā'ia and Makawao stations are undersized to meet the increasing fire protection service needs of the outlying rural communities, including Ha'ikū, Pauwela, and Peahi.

The Pa'ia-Ha'iku Community Plan region has experienced a substantial increase in population over the last several decades. The population increased from 9,077 people in 2000 to 10,768 in 2010. By 2020, the population had increased to 11,065. The increase in population in the Pa'ia-Ha'iku Community Plan region has been driven by growth in the Ha'ikū-Pauwela area. Whereas the population had gone down in Pā'ia between 2000 and

2020, from 2,499 to 2,470, it went up in Ha'ikū-Pauwela from 6,579 to 8,595, an increase of approximately 23 percent (U.S. Census Bureau, 2000, 2010, and 2020).

The proposed new fire station is, therefore, being implemented by the County of Maui to meet the long-term fire protection service needs of the growing rural community in the Ha'ikū area. The development of the fire station at the location proposed will allow for the more efficient deployment of emergency vehicles and shortened response times, both of which are deemed critical given access limitations and the prevalence of wooden structures throughout the Ha'ikū area.

#### **D. CHAPTER 343, HAWAI'I REVISED STATUTES**

The proposed project involves a number of actions that trigger the need to comply with the environmental review requirements of HRS, Chapter 343, including an amendment to the Pa'ia-Ha'iku Community Plan, use of County lands and funds, and the installation of driveway and utility improvements and traffic signaling within the State-owned Hāna Highway. This EA has, therefore, been prepared to evaluate the technical characteristics, environmental impacts, and alternatives, as well as advance findings relative to the significance of the project and its related onsite/offsite improvements. The EA will act as the primary supporting technical document for the County's consolidated Zoning Plan Amendment (ZPA) application for the District Boundary Amendment (DBA), Community Plan Amendment (CPA), and Change of Zoning (COZ) that will be necessary for project implementation. The Approving Agency for the EA process is the DF&PS.

It is noted that a DEA was published in the Office of Environmental Quality Control's (now known as the Environmental Review Program (ERP)) Environmental Notice on January 8, 2011 for the Proposed Ha'ikū Fire Station. However, since the original plans for the proposed Ha'ikū Fire Station in the DEA generated some community concerns, additional community consultation, studies, and agency coordination were carried out, resulting in substantial project design modifications. Most notably, the proposed helicopter landing pad and an approximately 4,200-foot offsite waterline that was originally proposed to connect the facility to an existing waterline at the West Kuiaha Road and Ha'ikū Road intersection have been deleted from the proposed project. In addition, an offsite wind turbine and an ecological wastewater system incorporating a wetland disposal system have been deleted from the project scope. In light of the significant reduction in project scope, the DF&PS has determined that an Updated DEA is required to adequately disclose the revised scope of the project, obtain public review and comments, evaluate the potential impacts of the proposed project, describe proposed mitigation measures as required, disclose cumulative and secondary impacts, and describe alternatives to the proposed action that were considered.

This Updated DEA has been prepared pursuant to Chapter 343, HRS, and Hawai'i Administrative Rules (HAR), Chapter 11-200, entitled Environmental Impact Statement

Rules (old rules). The State of Hawai'i repealed HRS, Chapter 11-200, and adopted HRS, Chapter 11-200.1, entitled Environmental Impact Statement Rules (new rules), in July 2019. However, Chapter 11-200.1-32 Retroactivity states:

- (a) *This chapter shall apply immediately upon taking effect, except as otherwise provided below.*
- (b) *Chapter 11-200 shall continue to apply to environmental review of agency and applicant actions which began prior to the adoption of chapter 11-200.1, provided that:*
  - (1) *For EAs, if the draft EA was published by the office prior to the adoption of this chapter and has not received a determination within a period of five years from the implementation of this chapter, then the proposing agency or applicant must comply with the requirements of this chapter. All subsequent environmental review, including an EISPN must comply with this chapter.*

Since the original DEA for the Ha'ikū Fire Station was published under the old rules, and five (5) years have not yet elapsed since the implementation of the new rules, this Updated DEA meets the criteria to be processed under the old rules of HAR, Chapter 11-200.

## **E. REGULATORY REQUIREMENTS**

The subject property (27.9 acres) is designated for agricultural use by the State Land Use Commission, the Pa'ia-Ha'iku Community Plan, and Maui County Zoning. The 6.1-acre project site is, however, within the Rural Growth Boundary (RGB) identified in the Maui Island Plan adopted December 28, 2012 by the County of Maui (Ordinance 4004) as part of the 2030 General Plan update process. To enable project implementation and ensure consistency between land use designations and the community's vision as reflected in the 2030 General Plan process, a District Boundary Amendment (DBA), Community Plan Amendment (CPA), and Change of Zoning (COZ), using a Zoning Plan Amendment (ZPA) application, will be initiated and processed by the Department of Planning for the 6.1-acre project site. The requested amendments to the land use entitlements in the ZPA are summarized in **Table 1** below:

**Table 1.** Summary of Requested Land Use Amendments for Ha'ikū Fire Station Project

<b>Land Use Designation</b>	<b>Existing</b>	<b>Requested Amendment</b>
State Land Use	Agricultural	Rural
Pa'ia-Ha'iku Community Plan	Agriculture	Public/Quasi-Public
Maui County Zoning	Agricultural	Public/Quasi-Public (P-1)

The project site is located outside of the County of Maui's Special Management Area (SMA), the boundary of which follows the makai side of the right-of-way line of Hāna

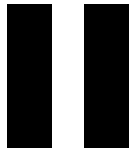
Highway. Refer to **Figure 13**. As such, a SMA Use Permit will not be required for the project.

**F. PROJECT SCHEDULING**

Construction of the project is anticipated to be initiated following receipt of all necessary approval and entitlements, with an estimated construction duration of 10 to 12 months.



**DESCRIPTION OF THE  
EXISTING ENVIRONMENT,  
POTENTIAL IMPACTS AND  
MITIGATION MEASURES**



## II. DESCRIPTION OF THE EXISTING ENVIRONMENT, POTENTIAL IMPACTS AND MITIGATION MEASURES

### A. PHYSICAL SETTING

#### 1. Surrounding Land Uses

##### a. Existing Conditions

The subject property is situated in Ha'ikū, Maui, an agricultural and rural residential area located to the east of Pauwela and to the west of Hāna Town. The project site itself is 1.5 miles east of the Ha'ikū Elementary School via Hāna Highway. It lies approximately one (1) mile inland (south) of the Pacific Ocean shoreline. The project site abuts the mauka side of Hāna Highway to the north and East Kuiaha Road to the east. Across Hāna Highway to the north is the Valley Isle Memorial Park Cemetery. The project site property is currently accessed from Hāna Highway. Refer to **Figure 1**.

Lands in the immediate vicinity of the project area are characterized by rural and agricultural uses. The subject property was used for pineapple farming in the early 1900's and then cleared to make way for a nursery operation which ended years ago. The land has been vacant and underutilized for over a decade.

##### b. Potential Impacts and Mitigation Measures

The subject project is not anticipated to adversely impact surrounding land uses in the vicinity of the project area. The new fire station will occupy former agricultural lands which have been unused for some time. The facility will be located in an area of Ha'ikū along Hāna Highway near its intersection with East Kuiaha Road and will facilitate ready access to surrounding service areas. Onsite drainage mitigation measures will be implemented to address the increase in storm water runoff associated with the development of the fire station. These improvements, coupled with the proposed grading plan, will ensure that downstream or adjacent properties are not affected by the project.

## 2. Climate, Topography, and Soils

### a. Existing Conditions

Hawai'i's tropical location results in uniform weather conditions throughout the year. Climatic conditions on Maui are characterized by mild and consistent year-round temperatures, moderate humidity, and steady northeasterly tradewinds. Variations in Maui's weather are attributable to regional topographic and climatic conditions.

Ha'ikū is situated on the north coast of the island, near sea level. Average annual rainfall for the area is approximately 55.07 inches per year. The months of October through March are typically the wetter periods of the year, with April through September being typically the drier months. Mean temperatures range from 60.5 degrees Fahrenheit in February to 79 degrees Fahrenheit in September (Maui County Data Book, 2020).

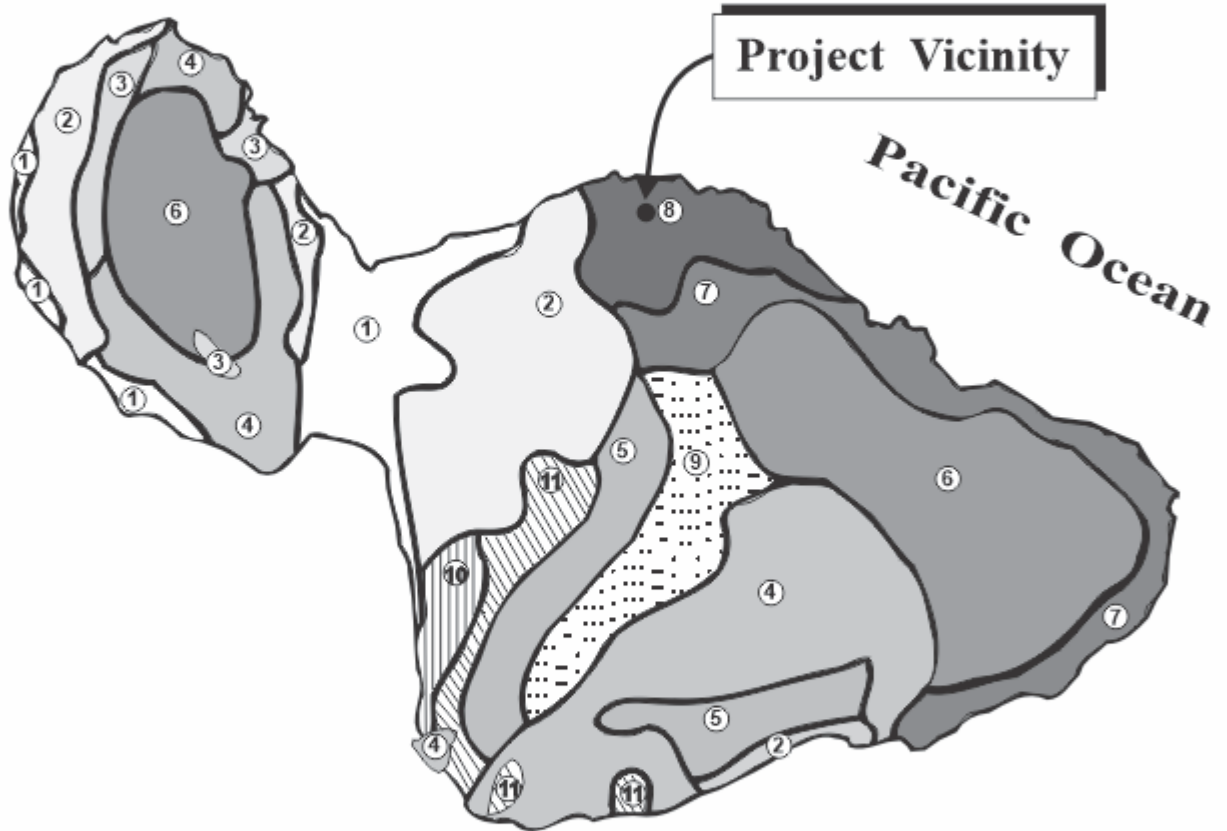
Topography in the region ranges from a rocky coastline to the moderately steep slopes and gulches of Haleakalā. The subject property, which is characterized by slopes of approximately 7 to 15 percent, sits between 450 and 510 feet above mean sea level (amsl). The ground cover across the site is characterized by a variety of grasses and aggressive weeds associated with the property's former use as a nursery.

Underlying the project area are soils belonging to the Pauwela-Ha'ikū Association. See **Figure 5**. The Pauwela-Ha'ikū Association is characterized by well drained, fine-textured soils commonly found on low uplands. These soils are gently sloping to moderately steep. The Pauwela-Ha'ikū Association makes up about 3 percent of the island (U.S. Soil Conservation Service, 1972).

The project area contains underlying soils from the Ha'ikū Clay soil (HbB and HbC) classification. See **Figure 6**. In a representative profile, the surface layer of Ha'ikū Clay soil (HbB and HbC) is dark brown clay about 14 inches thick. The subsoil is yellowish-red, dark reddish-brown, and dark-red clay or silty clay about 31 inches thick. The substratum is soft, weathered, basic igneous rock. The soil is very strongly acidic in the surface layer and extremely acidic and very strongly acidic in the subsoil and substratum. Permeability is moderately rapid. Runoff is slow to medium, and the erosion hazard is slight to moderate. In general, the soil is less than 30 inches deep to the bedrock, and slopes are generally 7 to 15 percent (U.S. Soil Conservation Service, 1972).

# KEY

- |  |                                     |
|--|-------------------------------------|
| ① Pulehu-Ewa-Jaucas Association                | ⑦ Hana-Makaalae-Kailua Association  |
| ② Waiakoa-Keahua-Molokai Association           | ⑧ Pauwela-Haiku Association         |
| ③ Honolua-Olelo Association                    | ⑨ Laumaia-Kaipoi-Olinda Association |
| ④ Rock Land-Rough Mountainous Land Association | ⑩ Keawakapu-Makena Association      |
| ⑤ Puu Pa-Kula-Pane Association                 | ⑪ Kamaole-Oanapuka Association      |
| ⑥ Hydrandepts-Tropaquods Association           |                                     |



Source: USDA, Soil Conservation Service

**Figure 5** Proposed Ha'ikū Fire Station and Related Improvements  
Soil Association Map

NOT TO SCALE



Prepared for: County of Maui, Dept. of Fire and Public Safety

**MUNEKIYO HIRAGA**

AHL/Haiku Fire Stn Update/Applications/Figures/Soil Association Map

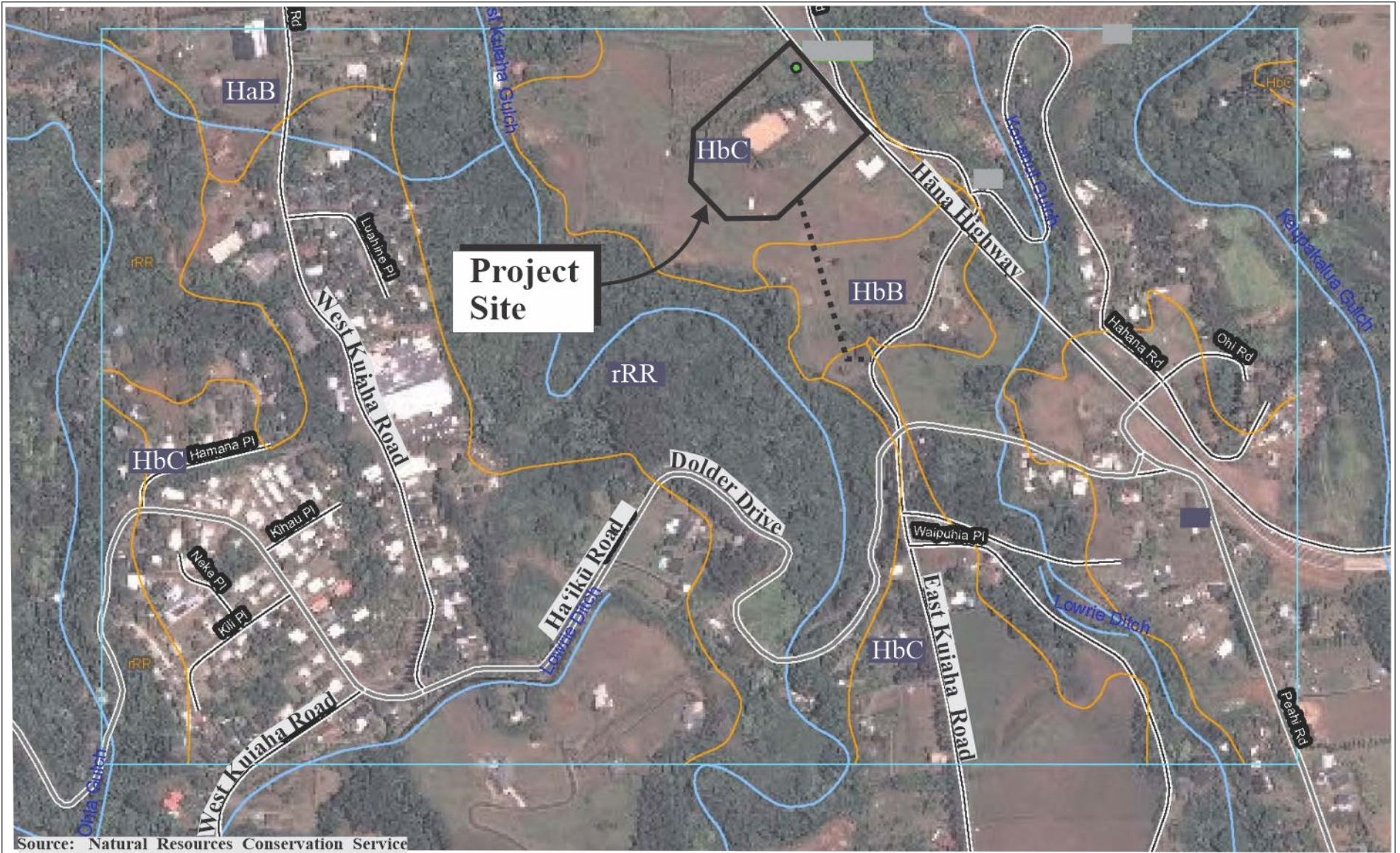


Figure 6

# Proposed Ha'ikū Fire Station and Related Improvements Soils Classification Map

NOT TO SCALE



Prepared for: County of Maui, Dept. of Fire and Public Safety



AHL/Haiku Fire Stn Update/Applications/Figures/soilclass.rev

The State Department of Agriculture has established three (3) categories of Agricultural Lands of Importance to the State of Hawai'i (ALISH). The ALISH system classifies lands into "Prime", "Unique", and "Other Important Agricultural Land". The remaining lands are "Unclassified". Utilizing modern farming methods, "Prime" agricultural lands have the soil quality, growing season, and moisture supply needed to produce sustained crop yields economically, while "Unique" agricultural lands possess a combination of soil quality, location, growing season, and moisture supply needed to produce sustained high yields of a specific crop. "Other Important Agricultural Land" includes those which have not been rated as "Prime" or "Unique". The project site is located on lands that have been defined as "Prime Agricultural Lands" by the ALISH rating system. See **Figure 7**.

In addition, the University of Hawai'i, Land Study Bureau (LSB) classifies productivity characteristics on a scale of "A" through "E", with lands designated as "A" reflecting the highest productivity, and "E" representing lands with the lowest productivity (Land Study Bureau, 1967).

Lands underlying the project area have been classified by the LSB as "C". See **Figure 8**. Lands designated as "C" lands are well-suited for agriculture, primarily pineapple and grazing.

Given the former agricultural use of the property, a Phase II Environmental Site Assessment (ESA) was completed in June 2009 by AMEC Earth & Environmental, Inc. The ESA utilized a multi-increment soil sampling strategy to determine the presence and average levels of Resource Conservation and Recovery Act (RCRA) 8 metals, chlorinated herbicides, organochlorine pesticides, organophosphorous pesticides, and dioxins within the surface soils of the property. This strategy was developed in accordance with the following guidance documents:

- American Society for Testing & Materials (ASTM) 2000;
- U.S. Environmental Protection Agency Sampling and Analysis Plan Guidance and Template (2000);
- Hawai'i Department of Health (DOH) Technical Guidance Manual (1997); and
- DOH Screening for Environmental Hazards at Sites with Contaminated Soil and Groundwater (2008).

All samples evaluated during the Phase II ESA fell well below the DOH Environmental Action Limits. As such, it was concluded that the property can be used without restriction.

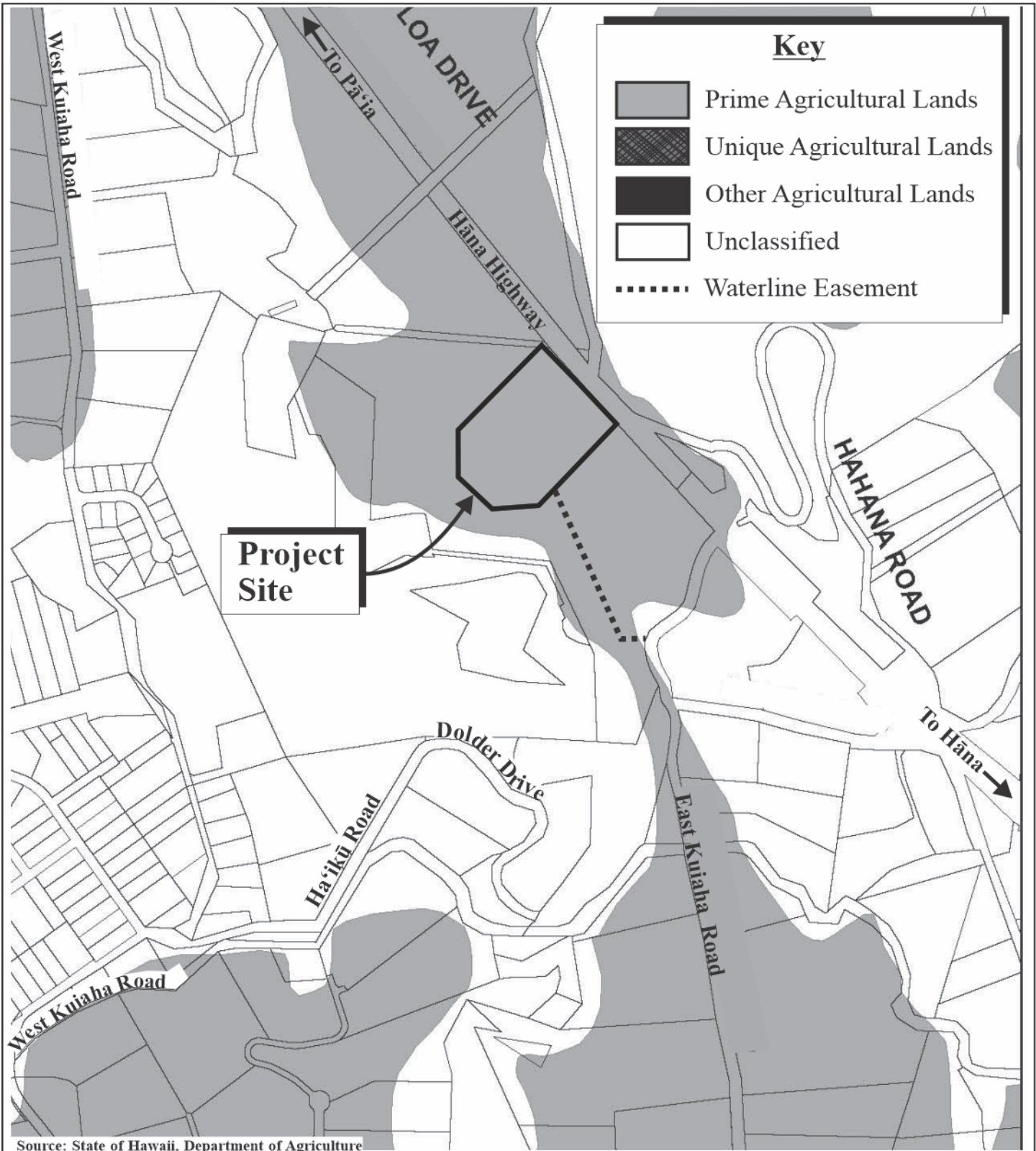


Figure 7

Proposed Ha'ikū Fire Station  
and Related Improvements  
Agricultural Lands of Importance  
to the State of Hawai'i

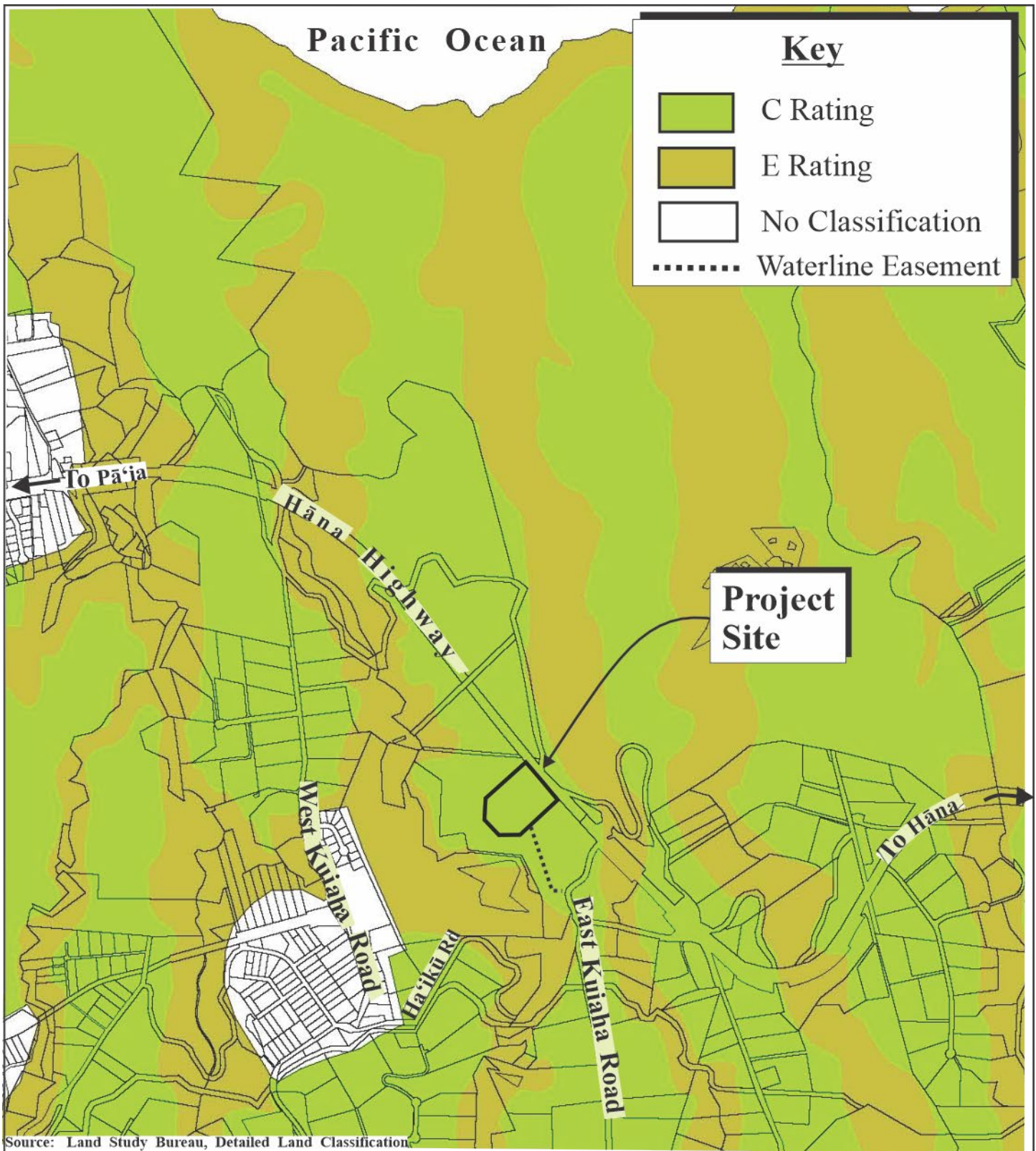
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AHL Haiku Fire Stn Update/Applications/Figures/ALISH



**Figure 8** Proposed Ha'ikū Fire Station and Related Improvements  
 Land Study Bureau Map

NOT TO SCALE

↑

Prepared for: County of Maui, Dept. of Fire and Public Safety

MUNEKIYO HIRAGA

AHL\Haiku Fire Stn Update\Applications\Figures\LandStudy



**b. Potential Impacts and Mitigation Measures**

Construction of the new fire station will require grading and grubbing of the project site. The proposed grading plan will require an estimated excavation of approximately 58,530 cubic yards and embankment of approximately 3,950 cubic yards. The area of the property that will be affected by grading operations is approximately 3.45 acres. The earthwork and grading work will comply with Maui County Code, Chapter 20.08 – Soil Erosion and Sedimentation Control and the project’s geotechnical report, Foundation Investigation, Haiku Fire Station Annex, October 3, 2009.

Project implementation is not expected to result in significant adverse impacts to climatic, topographic, or soil conditions.

**3. Agriculture**

**a. Existing Conditions**

Maui has a long history in agriculture cultivation, with the industry playing an important role in the island’s culture, landscape, and economy. The commercial agriculture industry began in the eighteenth century, with sugar cane and pineapple plantations driving Maui’s economy for over 90 years. Over the past 20 years, the agricultural industry has evolved, with a decline in large-scale sugar cane and pineapple cultivation and an increase in diversified crops and products, including vegetables, tropical fruits, flowers, seed crops, and cattle.

**Table 2**, below, presents a summary of agricultural data for Maui County in 2004, 2008, and 2017:

**Table 2. Agriculture Summary, Maui County**

	<b>2004</b>	<b>2008</b>	<b>2017</b>
Total Acreage in Farms	260,000	230,000	248,956
Hired Workers	1,850	1,700	1,880
Number of Farms (a)	850	1,150	1,408
Value of Crop Sales	\$145,983,000	\$144,231,000	\$74,211,000
Value of Livestock Sales	\$6,510,000	\$7,013,000	\$7,995,000
Note: (a) Based on definition of \$1,000 or more of agricultural sales. Source: Maui County Data Book, 2010 and 2020			

There were 248,956 acres of land used for farming in Maui County in 2017, the most recent year for which complete data is available. This represents a decrease of approximately 9.5 percent since 2004, when there were 260,000 acres of farmland in the county. While the amount of farmland has

declined, the number of farms has increased. This is consistent with the decline of large-scale plantation agriculture and increase in diversified agriculture (all crops other than sugar cane and pineapple), which is largely comprised of individual or family operations. In 2017, there were 1,408 farms in Maui County, a 60 percent increase over the number in 2004.<sup>1</sup>

In 2017, there were 1,880 hired workers in the agriculture industry in Maui County. Crop sales totaled \$74.2 million while livestock sales stood at approximately \$7.9 million. Total sales were significantly lower than in 2004.

It should be noted that several key factors have affected the agriculture industry since 2008. Most notably, Maui Land & Pineapple Company (ML&P) ceased its pineapple cultivation operations on the island in December 2009, citing ongoing financial losses associated with its pineapple farming. In 2016, Alexander & Baldwin, Inc. (A&B) closed its 36,000-acre sugar plantation and mill on Maui due to ongoing losses. The cessation of sugar cultivation on Maui represented a significant agricultural shift from large scale farming to diversified agriculture.

As shown in **Table 3**, sugar cane accounted for 34,500 acres, or 15 percent, of the county’s 230,000 acres of farmland in 2008 and 0 acres in 2017.

**Table 3. Farm Acreage for Select Crops, Maui County**

	<b>2004</b>	<b>2008</b>	<b>2017</b>
Total Acreage in Farms	260,000	230,000	248,956
Sugar Cane	34,800	34,500	0
Vegetables and Melons	900	700	1,377
Fruits (excluding pineapple)	500	600	3,095
Note: Acreage data for other crops such as coffee, macadamia nuts, pineapples, and others not available to avoid disclosure of individual operations. Source: Maui County Data Book, 2010 and 2020			

Diversified agriculture crops, such as vegetables and fruits, represented a significant growth in acreage from 700 and 600 acres, respectively, in 2008, to 1,377 and 3,095 acres, respectively, in 2017.

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<sup>1</sup> Farms are defined as establishments with \$1,000.00 or more of agricultural sales.

Currently, the vast majority of farm establishments are smaller, diversified agriculture farms. **Table 4** presents a breakdown of crop farms by type in Maui County.

**Table 4.** Number of Crop Farms by Type, Maui County

	2004	2008	2017
Sugar Cane	1	1	0
Pineapple	5	9	55
Vegetables and Melons	107	102	221
Fruits (excluding pineapple)	260	272	1,045
Coffee	27	32	95
Macadamia Nuts	10	20	65
Taro	25	15	58
Flowers and Nursery Products	180	200	350
Total (a)	615	651	1,889
Note: (a) Represents total of crop farms only and therefore does not equal number of total farms in Maui County. Source: Maui County Data Book, 2010.			

As shown, in **Table 4**, from 2004 to 2008 the growth in crop farms in the county was modest, from 615 to 651. However, with the increase in diversified agriculture, crop farms increased to 1,889 in 2017. Among crop growers, fruits (excluding pineapple) and flowers and nursery products comprised the largest number of farms; there were 1,045 fruit farms and 350 flower and nursery product farms in Maui County in 2017. Vegetable and melon farms also comprised a substantial share of crop farms, with 221 establishments in 2017.

As noted previously, the project site has been utilized in the past for pineapple cultivation, and more recently as a nursery operation. There, however, have been no other agricultural pursuits taking place on the property since the closure of the former nursery operation years ago.

**b. Potential Impacts and Mitigation Measures**

The proposed project involves the reclassification of approximately 6.1 acres of land from the “Agricultural” to “Rural” State Land Use designations. The proposed reclassification of these “Agricultural” lands represents approximately 0.003 percent of the State “Agricultural” designated lands on the island of Maui.

The project will result in the loss of agricultural lands that could be used for diversified agriculture. However, the decline of plantation agriculture on Maui and statewide has made additional land available for diversified agriculture. The amount of land released from plantation agriculture has

exceeded the demand for diversified agriculture lands. The closure of Maui Land & Pineapple Company's pineapple growing business in 2009, and more recently, the closure of A&B's sugar operations in Central Maui in 2016, have resulted in thousands of acres of land being released from plantation agriculture. While some of these former plantation lands have been developed, converted to other uses, or used to cultivate other crops, much of it has remained fallow or been used for grazing. As such, the proposed reclassification of 6.1 acres of "Agricultural" lands will likely not present any impacts on diversified agriculture opportunities on Maui or in the state as a whole.

According to the Hawai'i Wildfire Management Organization (HWMO), undeveloped, vegetated land within a community increases wildfire hazard risk as a potential source of fuel (HWMO, 2023). As such, the development of a portion of agricultural land that had been cleared for previous uses but left uncultivated for many years could have a positive impact on wildfire risk in the project area.

#### **4. Flood and Tsunami Conditions**

##### **a. Existing Conditions**

The project area is located in Flood Zone X, an area of minimal flooding. The project area is not located within a tsunami evacuation zone, nor are there any wetlands present on the project site.

##### **b. Potential Impacts and Mitigation Measures**

Onsite drainage mitigation measures will be implemented to address the increase in storm water runoff associated with the development of the proposed new fire station. These improvements, coupled with the proposed grading plan, will ensure that downstream or adjacent properties are not impacted by project implementation.

Coordination has been undertaken during the EA process with the U.S. Army Corps of Engineers (USACE) to ascertain applicable Department of Army (DA) permit requirements for the project. By way of letter dated January 12, 2011 from USACE, there are no DA permits required for the proposed action. See letter from the U.S. Army Corps of Engineers, Honolulu District, Regulatory Branch, Chapter X, Letters Received During the Draft Environmental Assessment Review Period; and Responses to Substantive Comments.

## 5. Wildfire Hazard

### a. Existing Conditions

Agencies and organizations such as the State Department of Land and Natural Resources, Division of Forestry and Wildlife (DOFAW), the DF&PS and HWMO have identified wildfires as an increasingly common hazard to communities and native ecosystems due to dry climatic conditions, non-native species, increased commercial and residential development and more people living in close proximity to wildland areas. In Hawai'i, wildfire has also been correlated to drought conditions. Wildfire history data show an increase in ignition and areas burned during the warmer drier months of summer (DOFAW, 2016).

HWMO conducted Community Hazard Assessments to evaluate wildfire hazard risk in each community in the State. These assessments were based on 36 characteristics, which are grouped into five (5) categories:

- *Subdivision Hazard* – The overall rating for the subdivision based on accessibility, density, proximity to wildland areas, and land use.
- *Vegetation Hazard* – The overall rating for vegetation based on general amount of fuels and proximity of fuels to subdivisions and homes.
- *Building Hazard* – The overall rating for buildings based on building design, materials, and utilities placement.
- *Fire Environment Hazard* – Rates the fire environment by rainfall, wind, slope, topography, seasonal conditions and ignition risk.
- *Fire Protection Hazard* – Rating based on response time, community planning and ordinances, fire department preparedness, emergency response preparedness, proximity to fire stations, and water access.

Each community received hazard rankings on the following scale: No Data, Low Hazard, Moderate Hazard, High Hazard and Extreme Hazard. The project area was identified as being at a high Subdivision and Building Hazard risk and at a moderate Vegetation, Fire Protection, and Fire Environment Hazard risk (HWMO, 2023).

Community Wildfire Protection Plans (CWPP), developed by HWMO for communities across the State, identify and prioritize areas for hazardous fuel reduction treatments, suggest methods of treatment and recommend measures to reduce structural ignitability. HWMO has not yet developed a CWPP for the Hā'iku and East Maui region.

**b. Potential Impacts and Mitigation Measures**

The tragic August 2023 Maui wildfires have underscored the destructive ability of wildfire and the importance of wildfire prevention measures. As such, the proposed project completed an assessment of its potential impacts to fire risk in the project area.

The proposed project will evaluate Firewise landscaping principles for incorporation into its landscape plan. The Firewise USA program was developed by the National Fire Protection Association (NFPA) to provide a collaborative framework that enables individuals to get organized and take action to increase the ignition resistance of their homes and reduce wildfire risk at the local level (NFPA, 2023). Firewise landscaping principles being considered for implementation include creating a “fire-free” area within five (5) feet of the fire station by using non-flammable landscaping materials and mowing the lawn regularly (HWMO, 2018).

As a fire station, the proposed project is anticipated to have a positive impact on wildfire risk in the East Maui community. As noted above, the project area was identified by HWMO as being at a high risk under the Subdivision rating. One (1) of the 36 characteristics that contribute to Subdivision Hazard is untended lands. According to HWMO, undeveloped vegetated lots create risk by providing potential fuel for wildfires. The development of the Hā’iku fire station would involve the development, landscaping and maintenance of a portion of the subject parcel, reducing the amount of uncultivated vegetation in the area. For this reason, the proposed project would help to mitigate Subdivision and Vegetation Hazard risk in the community.

A community’s Fire Protection Hazard is measured based on criteria such as response time, proximity to a fire station, fire department structural training and expertise, and the wildland firefighting capacity of the initial response agency. The Hā’iku fire station would employ 15 full-time personnel (across various shifts) and provide fire protection services in an underserved community. As such, the development of a fire station in Hā’iku would improve wildfire risk across all of these categories.

**6. Flora and Fauna**

**a. Existing Conditions**

A Biological Resources Survey of the project site for the proposed action was completed by Robert Hobby in September 2009. Since there has been very little vegetative change on the property since the biological survey, the

findings are still considered relevant. A copy of the report, which includes photos of the project site, is provided in **Appendix “B”**.

Vegetation identified within the vacant lands of the project site is characterized by a host of introduced and native species of grasses and herbaceous weeds associated with the former use of the property as a nursery. There are also a few large trees that have grown on the site, including the African tulip tree (*Spathodea campanulata*), common ironwood (*Casuarina equisetifolia*), albizia (*Falcataria moluccana*) and Java plum (*Syzygium cumini*). Of the 104 plant species identified on the site, five (5) were native Hawaiian species and two (2) were Polynesian introductions – all of which are extremely widespread and common species that are indigenous in Hawai‘i and many other Pacific islands. No rare, threatened, or endangered plant species or habitats were identified within the project site.

Avifauna and mammals common to the project site and surrounding areas include introduced birds and feral animals (mongooses, dogs, rats, mice, and cats). Only two (2) mammal species were observed during the survey; the mongoose (*Herpestes auropunctatus*) and the domestic dog (*Canis familiaris*). It is noted that a special effort was made during the survey to look for the Hawaiian hoary bat (*Lasiurus cinereus semotus*). Despite visibility being excellent during the evening survey, no evidence of the Hawaiian hoary bat was observed. A bat detection device was also used during the survey. No bats were detected using this device. Refer to **Appendix “B”**.

The federally protected seabirds, Hawaiian petrel and Newell’s shearwater, were not detected on the property nor would these species be expected to utilize it for breeding or resting. These birds, however, would be expected to fly over the area between March and November to reach their burrows high in the mountains. Young bird fledglings would also likely take their first tentative flights to the ocean over the Ha‘ikū area during November and December. These young birds are especially vulnerable and are often attracted to bright lights during their late evening and early dawn flights and become easily disoriented and crash, killed by vehicles or predators.

**b. Potential Impacts and Mitigation Measures**

There are no known or identified habitats of rare, threatened, or endangered species of flora, fauna, or avifauna located within the project site. Proposed landscaping will reflect the character of the area and will include the use of native species. A copy of the Preliminary Landscaping

Plan for the project is presented in **Appendix “A”**. Further, outdoor lighting will be shielded so that direct light is not visible from above to reduce any threat to seabirds.

In summary, the implementation of the proposed fire station and related improvements is not anticipated to have an adverse impact upon flora and fauna resources in the area.

## **7. Historical and Archaeological Resources**

### **a. Existing Conditions**

An Archaeological Inventory Survey (AIS) of the project area has been completed by Scientific Consultant Services, Inc. (SCS). A copy of the AIS report approved by the State Historic Preservation Division (SHPD) is presented in **Appendix “C-1”**. The AIS project site assessment included historic background research, a pedestrian survey, and a subsurface investigation of 11 backhoe trenches. The fieldwork for the AIS was conducted between September 21-25, 2009.

Historically, the project site was used for large-scale pineapple cultivation and pasture, later as a house site, and most recently for a nursery operation. These heavy land alterations were likely to have destroyed any traditional Hawaiian sites or features that were present in the area at that time. Therefore, any remaining sites encountered would likely be of a historic nature related to modern agriculture, animal husbandry, or recent habitation within the project area.

### **b. Potential Impacts and Mitigation Measures**

The AIS of the project site revealed no intact subsurface cultural layers or historic materials. This is likely due to historic land use patterns, such as extensive mechanical grading for agricultural pursuits and for the former structures on the site. Further, subsurface observations via the 11 mechanically excavated test trenches revealed no evidence of cultural resources (i.e., charcoal, midden, artifacts, etc.) that would have indicated pre-contact or early historic use. Only one (1) historic era site (SIHP No. 50-50-06-6678) was recorded during the pedestrian survey of the project site and was attributed to the former occupants of the existing vacant house found on the property.

Site 6678 consists of two (2) features and is situated in the northwest portion of the project area adjacent to a vacant cottage and asphalt driveway. The site is in fair to good condition and functions as a retaining



wall and garden terrace, constructed of dry-stacked basalt. The age of the site is estimated to be 50 to 60 years old. It is associated with the previous residential use on the property.

Using the Rules Governing Procedures for Historic Preservation Review, the following significance criteria are used for evaluation of archaeological sites:

**Criterion A:** Site is associated with events that have made a significant contribution to the broad patterns of our history;

**Criterion B:** Site is associated with the lives of persons significant to our past;

**Criterion C:** Site is an excellent site type; embodies distinctive characteristics of a type, period, or method of construction, or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components may lack individual construction;

**Criterion D:** Site has yielded or has the potential to yield information important in prehistory or history;

**Criterion E:** Site has cultural significance; probable religious structures or burials (State of Hawai'i criteria only)

The project site meets Criterion D, as it houses a site that has yielded or has the potential to yield information important in prehistory and/or history (attributed to the former occupants of the vacant house). This site has been thoroughly documented, and it has been concluded that further research would not contribute to the interpretation of the area, region, or Hawaiian prehistory and/or history. Additionally, as noted in the AIS, there are many examples of modern-historic stone walls throughout the island. Thus, the AIS concluded that no further archaeological work or archaeological monitoring is necessary within the 6.1-acre project site.

Also, as applicable, requirements for documentation of any old remnant structures on the property will be addressed in connection with the demolition permit application process.

Further, in the event that a discovery of significant cultural materials and/or burials is made during construction activities for the project, all work in the immediate area of the find will cease and SHPD will be notified to discuss mitigation measures, in accordance with Chapter 6E, Hawai'i Revised Statutes.

The AIS report and its recommendations was accepted by SHPD on November 12, 2010. See **Appendix “C-1 and C-2”**. Given the substantial reduction in scope of the offsite waterline improvements (from the previous project), it is anticipated that archaeological monitoring will not be required as the proposed improvements are now only confined to the East Kuiaha Road corridor. SHPD, in its acceptance of the AIS, previously determined that monitoring should be undertaken for any offsite waterline work along the Hai’kū Road corridor. As proposed, only a 300-foot section of new 8-inch waterline will be installed along East Kuiaha Road for the project.

## **8. Cultural Assessment**

### **a. Existing Conditions**

A Cultural Impact Assessment report has been completed for the proposed project by SCS. See **Appendix “D”**.

#### **(i) Geopolitical Organization**

Prior to Western contact in Hawai’i, land was divided into moku, or districts. Each of these was further subdivided into units called ahupua’a. Ideally, each ahupua’a was self-sufficient, running from mauka, the mountain, to makai, the ocean (MacKenzie, 1991). These divisions served as both cultural and settlement systems as traditional Hawaiian life was tied intimately to the land. Hunting, gathering, cultivation, and habitation took place within three (3) zones that characterized the ahupua’a: the Mauka Zone, the Agricultural Zone, and the Coastal Zone. The Mauka Zone provided access to a variety of trees, plants, and herbs for various needs, customs, and practices. The planting of yams, sweet potato, sugar cane, taro, and other foods took place in the Agricultural Zone, where gradual slopes of land allowed terraces to be constructed for more efficient irrigation. The Coastal Zone and low-lying areas were where most of the kauhale, group of houses, were found, as well as temples, fishing shrines, and fishponds (Minerbi, 1993).

Western contact brought changes to the Hawaiian land system with the introduction of private land ownership, a concept foreign to the Native Hawaiians. A Board of Land Commissioners was established in 1845 to uphold or reject all private land claims of both foreigners and Hawaiians. The Commission adopted rules pertaining to the proof of claims, right of tenants, and commutation to the government in attempts to achieve the goal of totally

partitioning undivided lands. All lands not claimed by February 1848 were to be forfeited to the government (MacKenzie, 1991).

Following the enactment of these rules, the Mahele division of 1848 divided all lands of Hawai'i between the king and chiefs. Two (2) years later the Kuleana act completed the Mahele process by authorizing the Land Commission to award fee simple titles to native tenants for their land. These kuleana parcels, also known as Land Commission Awards (LCA), were generally among the richest and most fertile in the islands and came from the king, government, or chief's land. All claims and awards were numbered and recorded in the Mahele Book (MacKenzie, 1991). In addition, government lands were sold as "Royal Patent Grants" or "Grants" in order to meet the increasing costs of government. These grants differed from LCAs, as it was not necessary for their recipients to obtain an award for their land from the Land Commission (Chinen, 1958).

(ii) **Historical Overview**

The subject project is located in the ahupua'a of Kuiaha, which was considered a part of the Hamakua Loa District. The Hamakua Loa region was traditionally associated with the gods Kanaloa and Kane and contained many small gulches, springs, and streams. The gulches in this region helped to support the lo'i, or taro patches, that paralleled the stream bed. The location of many ahupua'a along this coast suggests that this area held a considerable Hawaiian population. The soil in this region was excellent for yielding sweet potatoes, yams, bananas, and other crops, while the nearby bays were excellent for fishing.

Prior to the arrival of Captain Cook on the islands, there was fierce competition between the chiefs of Hawai'i island and the ali'i nui of Maui. In the late 1700's, Kalani'ōpu'u, an ali'i of Hawai'i island, invaded the Hamakua Loa region. He was defeated there by Kahekili, an ali'i of Maui, but ventured back to the area several more times. As a result, the Hamakua Loa region became the site of many battles.

With the onset of Western contact, 25 Land Commission Awards (LCA) were awarded in the Kuiaha ahupua'a, however, it is noted that none were awarded within the project area. The unawarded lands of Kuiaha became government lands and were later sold as Government Grants. The project area was part of Grant 6553. As

sugar became a major industry for the islands in the 1800's, both Kuiaha and Pauwela were utilized for their excellent fertility. As the plantations and industry operations grew in scale, the need for water became significant and several ditches were constructed throughout the region. In the 1930's the land was used as cattle pasture and in the 1940's (during WWII) the land was used as the site of a military training camp. Later, the area was used for sugar cane and pineapple farming.

(iii) **Traditional and Customary Rights**

The traditional and customary rights of Native Hawaiians can be broken down into access rights, gathering rights, burial rights, and religious rights.

**Access**

Native Hawaiians generally share the same access rights as the general public. However, they have the unique access rights to kuleana parcels and between ahupua'a. Access to kuleana parcels may involve access via ancient trails or expanded access not limited to any route. Additionally, the Kuleana Act granted unobstructed access within the ahupua'a to obtain items necessary to make the kuleana parcel productive. Access rights between ahupua'a involve access to ancient or well established trails (MacKenzie, 1991).

**Gathering**

In terms of gathering rights, the Hawai'i Supreme Court has upheld gathering rights within an ahupua'a for firewood, house-timber, aho cord, thatch, and ki-leaf under three (3) conditions. The tenant must physically reside within the ahupua'a, the right to gather can only be exercised upon undeveloped lands within the ahupua'a, and the right must be exercised only for the purpose of practicing Native Hawaiian customs and traditions (MacKenzie, 1991).

**Burial**

According to traditional Hawaiian burial beliefs, following death, the 'uhane, or spirit, must remain near nā iwi, or bones. Burial sites are chosen by Hawaiians for symbolic purposes in places for safekeeping. Often, bones were hidden in caves, cliffs, and sand dunes or deposited in the ocean. Today, federal and state laws

protect both unmarked and marked burial sites. The Island Burial Council assists SHPD to inventory and identify unmarked Hawaiian burial sites and determine whether to preserve or relocate Native Hawaiian burial sites (MacKenzie, 1991).

### **Religious**

Hawaiian religion and beliefs were intimately tied to the land. While some practices and traditions were lost over the years, basic Hawaiian religious concepts remain. The terms “aloha ‘āina,” love the land, and “mālama ‘āina”, care for and protect the land, convey the unity of humans, nature, and the gods in Hawaiian philosophy (Minerbi, 1993). Furthermore, Hawaiians honored and worshiped ‘aumakua, deities, and akua, gods. There were numerous akua of farming, fishing, kapa making, dancing, sports, and any other activity of Hawaiian life. The concept of mana, or sacred attachment to places, people, or things, also remains as a significant aspect of Hawaiian religion (MacKenzie, 1991).

#### **b. Potential Impacts and Mitigation Measures**

From a recent historical perspective, land underlying the proposed project site was primarily maintained for agricultural cultivation activities. More recently, the site has been underutilized and is vacant. No indications of cultural practices, such as gathering, access, or religious traditions, are known to be associated with the project site.

With regard to the subject project, no adverse impact to cultural resources, practices, or traditions is anticipated. Refer to **Appendix “D”**.

### **9. Air and Noise Quality**

#### **a. Existing Conditions**

Due to the low level of residential and commercial development in the Ha‘ikū area, the lack of major point sources of air pollution, and the prevailing tradewind conditions, the Ha‘ikū region has good air quality. The primary source of emissions may be attributed to motor vehicles traversing Hāna Highway and local roadways in the area. However, these mobile sources have no adverse influence on regional air quality.

There are no significant noise generators in the vicinity of the project site. Noise generated in this locale may be attributed to traffic in the Ha‘ikū area, particularly along Hāna Highway in the vicinity of the property.

**b. Potential Impacts and Mitigation Measures**

Airborne particulates, including dust, may be generated during site preparation and construction activities. However, dust control measures, such as regular watering and sprinkling, will be implemented as needed to minimize wind-blown emissions.

In the long-term, vehicle-generated emissions related to the project will not adversely impact local and regional ambient air quality conditions. The new fire station will be a relatively small facility and is expected to accommodate five (5) full-time employees at any one time.

As with air quality, ambient noise conditions will be temporarily impacted by construction activities. Heavy construction equipment, such as bulldozers, front end loaders, and dump trucks and trailers will be the dominant source of noise during site construction. Construction-generated noise will be mitigated through Best Management Practices (BMPs), and construction activities will be limited to daylight work hours only. The contractor will coordinate with the State Department of Health to ensure that noise permits are obtained, as appropriate.

During the operational phase of the project, noise will be generated by emergency vehicles and sirens, however, such impact will be intermittent in frequency. Additionally, the construction of a fire station in the project area will not increase the incidence of fire in the region. Therefore, the frequency of siren use will remain the same as that under existing conditions due to the fact that emergency calls are currently responded to by other fire stations in the region. Use of the sirens and air horns by emergency vehicles will be limited to roadway clearing activity as stipulated by law. The use of sirens and air horns will be limited to those instances where the maintenance of public safety is essential.

In summary, due to the intermittent nature of noise generators at the project site, construction and operation of the proposed fire station and its related facilities is not anticipated to present significant adverse impacts on the surrounding agricultural community.

**10. Scenic and Open Space Resources**

**a. Existing Conditions**

The project site is located in the Ha'ikū area, abutting the mauka side of Hāna Highway to the north and East Kuiaha Road to the east. Located to the north of the project site is the Valley Isle Memorial Park Cemetery. The

immediate vicinity of the project site is composed mainly of vacant rural and agricultural lands. The coastal shoreline lies about one (1) mile away to the north and the Haleakalā Crater lies about 35 miles to the south.

The subject property does not lie within a designated scenic view corridor.

**b. Potential Impacts and Mitigation Measures**

The proposed fire station improvements are not anticipated to have substantial, adverse impacts on existing view corridors. Most of the project site is heavily vegetated and views of the site from adjacent areas are limited. Because of this, the property is not considered part of a scenic view corridor to the shoreline. All structures installed in connection with the proposed action will respect height standards set forth by the County Zoning regulations. There are no anticipated adverse impacts to the visual resources of the surrounding environment as a result of the proposed project.

**B. SOCIO-ECONOMIC ENVIRONMENT**

**1. Population and Economy**

**a. Existing Conditions**

The population of the County of Maui has exhibited slight growth over the past decade with the 2015 resident population of 164,081 persons increasing to 164,433 persons in 2022 (Maui County Data Book, 2022).

As of 2020, the population of Maui Island was estimated at 139,528 persons, with approximately 10,786 persons residing in the Pā'ia-Ha'ikū region (Maui County Data Book, 2020). Forecasts for 2025 reflect an island-wide population of 174,184 persons and a population for the Pā'ia-Ha'ikū region of 13,512 persons (Public Facilities Assessment Update, County of Maui, Department of Planning, March 9, 2007).

Hawai'i's economy through 2019 was strong, with record-setting visitor arrivals and low unemployment. The COVID-19 pandemic had far-reaching impacts on the economy on Maui, in Hawai'i, and across the nation. With the end of the pandemic and return of the visitor industry, Maui's economy was growing through the first half of 2023. However, the tragic wildfires in August 2023 will have significant impacts on the economy for several years. Although the project area was not directly impacted by the fires, the entire Maui community is experiencing economic disruption. The fire in Lāhainā destroyed approximately 2,200 structures, displacing thousands

of families and impacting many businesses. The fires have had a significant impact on the tourism industry and the overall path of recovery will be a long-term process, dependent on the pace and manner of rebuilding. In 2022, Maui County's unemployment rate averaged 3.8 percent, comparable to the statewide rate of 3.5 percent. Following the fires, the University of Hawai'i Economic Research Organization (UHERO) projected that Maui County's unemployment rate will stand at 6.2 percent, compared to 3.7 percent for the State as a whole (UHERO, 2023).

**b. Potential Impacts and Mitigation Measures**

Short-term economic benefits associated with construction expenditures for the new fire station are anticipated. The proposed project is not a population generator. Thus, there are no anticipated long-term impacts on population parameters. The proposed fire station will fulfill the Ha'ikū community's need for fire protection and public safety and will also result in lower insurance premiums for surrounding residents.

**C. PUBLIC SERVICES**

**1. Police and Fire Protection**

**a. Existing Conditions**

The County of Maui's Police Department headquarters are located in Wailuku. There are four (4) patrol divisions on the island of Maui. These are the Wailuku, Kihei, Lahaina, and Hāna divisions. The Wailuku division covers Central Maui, Pā'ia-Ha'ikū, and Upcountry Maui.

Fire prevention, suppression, and protection services for the project area are provided by the Maui County Department of Fire and Public Safety's Pā'ia Fire Station, located six (6) miles from the project site, along Hāna Highway in Pā'ia Town. The commercial and residential areas of Pā'ia have adequate fire protection. However, large areas beyond Ha'ikū do not.

**b. Potential Impacts and Mitigation Measures**

The new fire station will substantially improve fire protection services in Ha'ikū and the surrounding rural areas. The new station will also allow for the more efficient deployment of emergency vehicles and improved response times. The implementation of the project is not anticipated to adversely impact existing police services in the region.



**2. Medical Facilities**

**a. Existing Conditions**

Maui Memorial Medical Center is currently the only major medical facility on the island. Acute, general, and emergency care services are provided by the 248-bed facility. In addition, Pā'ia has medical and dental clinics to service local community residents. Ha'ikū also has a medical office and a pharmacy.

**b. Potential Impacts and Mitigation Measures**

The proposed project is not anticipated to have adverse impacts on existing medical facilities or services on Maui.

**3. Solid Waste**

**a. Existing Conditions**

Except for remote areas, single-family solid waste collection service is provided by the County of Maui on a weekly or twice-weekly basis.

Solid waste is collected by County refuse collection crews and disposed of at the Central Maui Landfill. Commercial waste from private collection companies is also disposed of at the landfill.

**b. Potential Impacts and Mitigation Measures**

It is anticipated that demolition waste, such as concrete slabs, walkways, and driveways, will be crushed and reused onsite for fill or base course, where feasible. In summary, the proposed fire station aims to facilitate the recycling and reuse of construction materials and also to divert construction waste away from the Central Maui Landfill. Recycling receptacles will also be utilized within the proposed fire station building to promote responsible waste management practices during the operational phase of the project. With the implementation of the foregoing initiatives, the proposed fire station is not anticipated to adversely impact existing solid waste services on Maui.

**4. Recreational Resources**

**a. Existing Conditions**

The main facilities catering to the recreational needs of the Pauwela area are the Ha'ikū Community Center and park, located one (1) mile from the

project site, and the Fourth Marine Division Memorial Park, located approximately four (4) miles away. Another major recreational resource of the Pauwela Ha'ikū area is Ho'okipa Beach Park, an internationally recognized park known for its excellent surf and windsurfing.

**b. Potential Impacts and Mitigation Measures**

The proposed project is not anticipated to adversely impact the existing recreational facilities located in and around the Ha'ikū area.

**5. Educational Facilities**

**a. Existing Conditions**

The State of Hawai'i, Department of Education operates seven (7) public schools in East Maui and Upcountry Maui. They are Makawao Elementary School, Kalama Intermediate School, Pukalani Elementary School, Kula Elementary School, Ha'ikū Elementary School, Pā'ia Elementary School, and King Kekaulike High School.

The region is also served by the privately operated Montessori Preschool, Doris Todd, Roots School, Haleakalā Waldorf School, Seabury Hall, and the Maui Campus of Kamehameha Schools.

**b. Potential Impacts and Mitigation Measures**

The proposed project is not anticipated to adversely impact existing education facilities or services on Maui.

**D. INFRASTRUCTURE**

**1. Roadways**

**a. Existing Conditions**

The project site is located adjacent to Hāna Highway, a State of Hawai'i roadway that serves as the main access road along the northern coast of Maui. It is a predominantly two-lane, two-way roadway generally oriented in the east-west direction. Southeast of the project site, Hāna Highway intersects with East Kuiaha Road at an unsignaled intersection. East Kuiaha Road is a two-lane, two-way County-owned roadway generally oriented in the north-south direction. At the intersection with Hāna Highway, the East Kuiaha Road approach has a one stop-controlled northbound lane that serves all traffic movements. The southbound approach of the intersection is comprised of a driveway serving an adjacent parcel.

Much of Ha‘ikū is composed of rural residential and agricultural areas. Due to the agricultural and rural nature of the area, traffic is generally light, with minimal traffic congestion.

**b. Potential Impacts and Mitigation Measures**

A Traffic Impact Analysis Report (TIAR) was completed by Wilson Okamoto Corporation for the proposed project. See **Appendix “E-1”**. Because a number of years have passed since the TIAR had been completed, a TIAR update letter was prepared. See **Appendix “E-2”**. The TIAR update letter determines that, although some years have passed since the preparation of the TIAR, the conclusions in that TIAR are still applicable. The TIAR update letter reviews the data against the updated 2025 project completion year and the projected traffic for that time period. Relatively stable traffic volumes in the vicinity are anticipated. The impacts assessed in the TIAR are practically identical to those anticipated for the updated project scope.

Project-related peak hour vehicle trips are expected to primarily be comprised of employee-related trips. The fire station will be staffed by 15 personnel (five (5) people during each 24-hour shift). The shift changes occur daily between 7:00 a.m. and 7:30 a.m. Given the low number of vehicle trips to and from the station and the capacity of Hāna Highway, the proposed project is not anticipated to result in any substantive, adverse impacts to traffic.

The findings of the Level of Service (LOS) analysis presented in the TIAR are summarized in **Table 5**, below:

**Table 5.** Summary of Level of Service Analysis

Intersection	Approach	AM			PM		
		Existing Conditions	Without Project	With Project	Existing Conditions	Without Project	With Project
Hāna Highway/ East Kuiaha Road	Eastbound	A	A	A	A	A	A
	Westbound	A	A	A	A	A	A
	Northbound	C	C	C	B	B	B
Hāna Highway/Fire Station Driveway	Westbound	--	--	A	--	--	--
	Northbound	--	--	C	--	--	--

Source: Wilson Okamoto Corporation, 2010.

At the intersection of East Kuiaha Road at Hāna Highway, the LOS is expected to continue to operate at acceptable levels with the implementation of the proposed project. Also, at the approaches of the fire station driveway with Hāna Highway, traffic functionality is expected to operate at LOS “C” or better during the AM peak period. Refer to **Appendix “E-1”**.

The TIAR recommends the following mitigation measures for incorporation in the design for the proposed project:

1. Maintain sufficient sight distance for motorists to safely enter and exit all project driveways/roadways.
2. Provide adequate onsite loading and off-loading service areas and prohibit off-site loading operations.
3. Provide adequate turn-around area for service, delivery, and refuse collection vehicles to maneuver on the project site to avoid vehicle-reversing maneuvers onto public roadways.
4. Provide sufficient turning radii at all project driveways/roadways to avoid or minimize vehicle encroachments to oncoming traffic lanes.

Furthermore, DF&PS will coordinate with the Hawai'i Department of Transportation, Highways Division as project planning progresses to ensure that the project is developed to assure the safe entry and exit of emergency and non-emergency vehicles to and from the site.

With implementation of the foregoing recommendations, the proposed Ha'ikū Fire Station project is not expected to have a significant impact on traffic operations in the project vicinity.

Short-term, construction-related impacts are anticipated while the 8-inch main is being installed in East Kuiaha Road and during the installation of improvements along Hāna Highway. At a minimum, lane closures will be required. Full road closures are not preferred, but are possible depending on the field conditions. A Work on County Highway Permit and Permit to Perform Work Within State Highway will be acquired, as applicable, and a traffic control plan will be developed.

The proposed project will restore the disturbed roadway areas to their original conditions, including, but not limited to, the replacement of plantings, pavement, striping, reflectors, pavement markings, and existing driveways. It will also resurface any affected travel lane width. With the

implementation of the foregoing mitigation measures, significant adverse impacts to area roadways are not anticipated.

## **2. Water System**

### **a. Existing Conditions**

Domestic water for the Ha'ikū region is provided by the Department of Water Supply's (DWS) Upcountry system. Water for the Upcountry system is provided by the Kamaole Weir Water Treatment Facility (WTF) which draws water primarily from Wailoa Ditch. The Kamaole Weir WTF is approximately 1,120 feet above sea level and lies approximately three (3) miles away from the project site. Kamaole Weir's average production is approximately 3.6 million gallons per day. There are two (2) existing 5/8-inch water meters located on the subject property.

### **b. Potential Impacts and Mitigation Measures**

A Preliminary Engineering Report (PER) has been prepared for the proposed project. See **Appendix "F-1"**. The fire station's domestic water will be serviced by three (3) 5/8-inch water meters (two (2) existing and one (1) new). The Department of Water Supply confirmed that the property possesses a reservation for one (1) water meter in addition to the existing two (2) water meters.

Three (3) waterlines will be installed to service the proposed project's domestic water needs, one (1) 12-inch waterline and two (2) 1.5-inch waterlines. They will connect to existing water infrastructure off of East Kuiaha Road. The 12-inch waterline will provide fire protection for the site and the new building's fire protection systems. One (1) 1.5-inch waterline will provide water service for the building's interior fixtures and the other 1.5-inch line will provide water service for exterior fixtures such as hose bibs and the irrigation system.

Fire flow requirements for the project site include 600 gpm for a 2-hour duration based on the National Fire Protection Association's (NFPA) Fire Code, NFPA 1, 2006 Edition, Appendix H, which includes a maximum fire hydrant spacing of 250 feet for industrial areas. The project proposes to construct an onsite water storage tank to supplement the fire protection capacity required for the project site. The water tank will be sized in accordance with NFPA 1142, Standard on Water Supplies for Suburban and Rural Firefighting. The proposed project is estimated to require a 40,000 gallon holding tank. The 12-inch waterline described above will provide for the station's water storage tank, fire hydrants and fire sprinklers.

In order to accommodate the onsite improvements proposed for fire protection, the Department of Water Supply is requiring the installation of approximately 300 linear feet of 8-inch water main between the location of the project's laterals and water meters on East Kuiaha Road and the intersection of Ha'ikū Road and East Kuiaha Road.

Water conservation measures to be incorporated into the proposed project site include the use of low flow plumbing fixtures and the use of landscape planting material that minimizes irrigation water consumption.

Appropriate BMPs will be employed during construction in order to protect the integrity of groundwater and surface water resources in the vicinity of the project site.

Water requirements will be coordinated with the DWS to ensure that adequate supply is available at the time of development. In addition, calculations for domestic, irrigation, and fire protection use will be submitted to the DWS during building permit processing for the project.

### **3. Wastewater System**

#### **a. Existing Conditions**

There are no County wastewater treatment facilities servicing the Ha'ikū area. Wastewater disposal in the region is accommodated via cesspools or individual wastewater treatment systems, such as septic tanks and leach fields.

#### **b. Potential Impacts and Mitigation Measures**

The proposed project will generate approximately 963 gallons of wastewater per day. The fire station building's sanitary sewerline will discharge from the north side of the building and connect to a gravity sewerline to be treated and disposed of via a Department of Health-approved Individual Wastewater System (IWS). The IWS will be located on the north side of the fire station building near Hāna Highway on the lower elevations of the property. According to the PER prepared for the proposed project, the IWS will require a minimum 1,530-gallon septic tank and a leach field for disposal with a minimum area of 1,683 square feet. See **Appendix "F-1"**.

**4. Drainage**

**a. Existing Conditions**

The drainage at the subject property generally flows in a north-westerly direction. A PreFinal Drainage Report (PDR) was prepared for the project by AECOM Pacific, Inc., in November 2023. The objective of the PDR is to analyze, evaluate, and mitigate the drainage impacts of the proposed Ha'ikū Fire Station project in accordance with the County of Maui's Rules for the Design of Storm Drainage Facilities in the County of Maui (November 1995). Refer to **Appendix "F-2"**.

Runoff from the site currently sheet flows along the ground and road surface to the existing East Kuiaha Gulch on the northwest side of the property and to Hāna Highway to the north. There are two (2) existing drainage areas within the subject property affecting the 6.1-acre project site. The drainage areas are referenced in Figure 3 of the PDR as drainage areas X1 and X2. Total runoff from the project site under existing conditions (for the 50-year, 1-hour storm) is 35.22 cubic feet per second (cfs). A summary of the existing drainage conditions is presented below in **Table 6**.

**Table 6.** Summary of Existing Drainage Conditions Affecting Project Site for the 50-Year, 1-Hour Storm

<b>Drainage Area</b>	<b>Size (acres)</b>	<b>Direction of Flow</b>	<b>Drainage Flow (cfs)</b>
X1	11.67	Flow Towards Northwest Property Line	24.50
X2	5.47	Flow Towards Hāna Highway	10.72
<b>TOTAL</b>			<b>35.22 cfs</b>
Source: AECOM Pacific, Inc., 2023.			

There are currently no drainage system improvements located within the limits of the project site due to undeveloped conditions present within the subject property.

**b. Potential Impacts and Mitigation Measures**

Under developed conditions, there will be a total of 10 drainage areas (New Drainage Areas (NDA)) affecting the 6.1-acre project site, nine (9) of which will be located within the subject parcel and one (1) outside of the subject parcel. The post-development onsite drainage areas are referenced in Figure 4 of the PDR as drainage areas NDA-1 through NDA-3 and NDA-5 through NDA-10, whereas the post-development offsite drainage area is

referenced as drainage area NDA-4. Drainage from NDA-4 will not flow onto the subject parcel. A summary of the modified drainage conditions within the project site is presented below in **Table 7**.

**Table 7.** Summary of Post-Development Drainage Conditions Affecting Project Site for the 50-Year, 1-Hour Storm

<b>Drainage Area</b>	<b>Size (acres)</b>	<b>Direction of Flow</b>	<b>Drainage Flow (cfs)</b>
NDA-1 (onsite)	4.47	Flow to Northwest Property Line	9.84
NDA-2 (onsite)	0.07	Flow to Detention Basin	0.52
NDA-3 (onsite)	1.98	Flow to Detention Basin	5.93
NDA-4 (offsite)	6.09	Flow to Hāna Highway	11.93
NDA-5 (onsite)	1.27	Flow to Detention Basin	4.23
NDA-6 (onsite)	1.17	Flow to Detention Basin	4.19
NDA-7 (onsite)	1.05	Flow to Detention Basin	4.83
NDA-8 (onsite)	0.26	Flow to Detention Basin	1.92
NDA-9 (onsite)	0.74	Flow to Detention Basin	2.69
NDA-10 (onsite)	0.04	Flow to Detention Basin	0.27
<b>TOTAL</b>			<b>46.35 cfs</b>
Source: AECOM Pacific, Inc., 2023.			

The development of the proposed fire station will result in the introduction of impervious areas within the property and an associated increase in storm water runoff through the project site. To accommodate the increase in drainage runoff resulting from project implementation, an onsite drainage system will be constructed consisting of drainage structures, drain lines, and a detention basin. The detention basin will be located on the northwest side of the new fire station building (refer to **Appendix “A”**). For a 50-year, 1-hour flow, the detention basin will retain, at minimum, 100 percent of the increase in stormwater runoff associated with the project. This permanent BMP will both reduce the quantity of runoff exiting the project site and increase the quality of water exiting the site by allowing any pollutants to settle in the basin. With the proposed drainage improvements, there are no adverse impacts to downstream properties anticipated from construction of the proposed Ha’ikū Fire Station project. Refer to **Appendix “F-2”**.



**5. Electrical, Telephone and Cable Services**

**a. Existing Conditions**

Electrical service to the area in the vicinity of the project site, is provided by Hawaiian Electric (HECO). There is a primary overhead system, located along Hāna Highway, fronting the project site.

Telephone and cable service is provided to the area via the existing overhead distribution system along Hāna Highway by Hawaiian Telcom and Oceanic Time Warner Cable, respectively.

**b. Potential Impacts and Mitigation Measures**

Coordination is being undertaken with the respective utility companies to connect electrical, telephone and cable TV services from the existing overhead distribution system along Hāna Highway to the project site. Underground ductline systems will be installed for extension of services up to the proposed fire station building. This work will include installation of a new HECO pad-mounted transformer within the project site. Refer to **Figure 4**.

Various energy conservation design measures will also be incorporated as part of the sustainable design program for the project. Examples of such measures being considered for implementation include the following:

1. Installation of roof insulation and solar tubes;
2. Tinted windows to shade and cool the building;
3. Installation of a heat recovery hot water system that will utilize waste heat from air conditioning condensing units;
4. Installation of low blue content (amber) LED luminaires around entrances and exits;
5. Installation of low blue content (amber) LED pole mounted lights at all driveways and vehicle parking areas;
6. Installation of lights to the exterior of the site and building that will be automatically triggered by time switch controls and limited to night time use only;
7. Installation of energy-efficient LED lighting to the building interior;
8. Installation of multi-level or zoned switching of interior lighting in large rooms;

9. Installation of wall-mounted occupancy sensor light switches within private offices, small storage rooms, the laundry room and bathrooms;
10. Installation of occupancy sensor controls within the day room, fitness room and turnout gear room; and
11. Installation of daylight controls in areas adjacent to windows and areas with solar tubes.

The proposed project is not anticipated to adversely affect electrical, telephone, or cable systems.

## **E. CUMULATIVE AND SECONDARY IMPACTS**

Cumulative impacts are defined as the impacts on the environment that result from the incremental impact of an action when added to other past, present, and reasonably foreseeable future actions regardless of what agency or person undertakes such other actions.

The proposed project is not part of a larger action, nor would it occur within the context of such actions. There are no direct community growth impacts resulting from or occurring with the subject project. There are no other public works projects anticipated within the project context.

Secondary impacts are those which have the potential to occur later in time or are farther in distance but are still reasonably foreseeable. They can be viewed as actions of others that are taken because of the presence of the subject project. Secondary impacts from highway projects can occur, for example, because they can induce development by removing one of the impediments to growth-transportation access.

There are no foreseeable secondary impacts associated with the proposed project. The new fire station will provide much needed fire coverage for the Ha'ikū area and is not considered to be a generating component for population. Nor will it place additional burden upon infrastructure or the environment.

**RELATIONSHIP TO  
GOVERNMENTAL PLANS,  
POLICIES, AND CONTROLS**



### III. RELATIONSHIP TO GOVERNMENTAL PLANS, POLICIES, AND CONTROLS

#### A. STATE LAND USE DISTRICTS

Chapter 205, Hawai'i Revised Statutes, relating to the Land Use Commission (LUC), establishes the four (4) major land use districts in which lands in the state are placed. These districts are "Urban", "Rural", "Agricultural", and "Conservation".

The 6.1-acre project site is located within the State "Agricultural" district. See **Figure 9**. The proposed action involves a County-initiated District Boundary Amendment (DBA) to the "Rural" district to permit the proposed action. As provided for in Section 205-5(c)(4), HRS, "Public, quasi-public, and public utility facilities" (such as fire stations) are permitted uses within the "Rural" district. Due to the size of the 6.1-acre project site (i.e., less than 15 acres), the DBA will be processed by the County of Maui and acted upon by the Maui County Council.

#### B. LAND USE COMMISSION RULES, CHAPTER 15-15, HAWAI'I ADMINISTRATIVE RULES

The proposed reclassification of the project site (via DBA) is in conformance with the following standards of the Rural District set forth in Chapter 15-15-21, Hawai'i Administrative Rules:

*Chapter 15-15-21 Standards for determining "R" rural district boundaries. Except as otherwise provided in this chapter, in determining the boundaries for the "R" rural district, the following standards shall apply:*

1. *Areas consisting of small farms, provided that the areas need not be included in this district if their inclusion will alter the general characteristics of the areas.*

**Comment:** The proposed fire station will be located in Ha'ikū, a low-density area that is comprised mostly of farms and agricultural lands.

2. *Activities or uses as characterized by low-density residential lots of not less than one-half acre and a density of not more than one single-family dwelling per one-half acre in areas where "city-like" concentration of people, structures, streets, and urban level of services are absent, and where small farms are intermixed with the low-density residential lots; and*

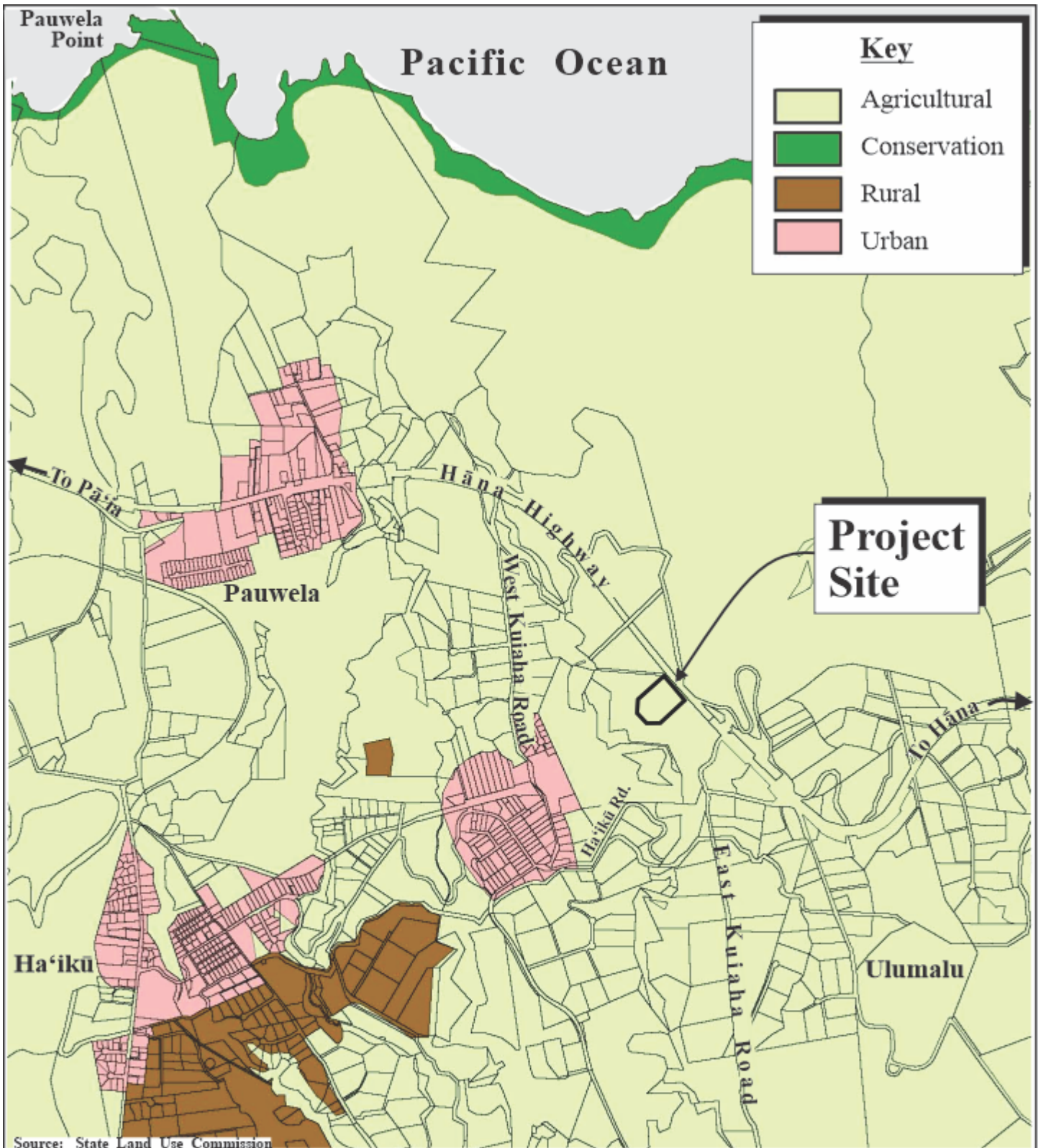


Figure 9

Proposed Ha'ikū Fire Station  
and Related Improvements  
State Land Use Designations Map

NOT TO SCALE



Prepared for: County of Maui, Dept. of Fire and Public Safety



AHL: Ha'ikū Fire Stn Update/Applications/Figures/SLUD

**Comment:** As mentioned previously, the proposed project site lies in a low-density area that is comprised mostly of farms and agricultural lands and lacks “city-like” concentrations of people, structures, streets, and services.

3. *It may also include parcels of land which are surrounded by, or contiguous to this district, and are not suited to low-density residential uses for small farm or agricultural uses.*

**Comment:** The lands contiguous to the proposed rural district are comprised of low-density areas of former and existing agricultural uses.

## **C. HAWAI‘I STATE PLAN**

Chapter 226, HRS, also known as the Hawai‘i State Plan, is a long-range comprehensive plan which serves as a guide for the future long-term development of the State by identifying goals, objectives, policies, priorities, and implementation mechanisms. The Plan consists of three (3) parts. Part I includes the Overall Theme, Goals, Objectives, and Policies; Part II includes Planning, Coordination, and Implementation; and Part III establishes Priority Guidelines. Part II of the State Plan covers its administrative structure and implementation process.

The overall theme of the Hawai‘i State Plan is governed by the following general principles.

1. Individual and family self-sufficiency
2. Social and economic mobility
3. Community or social well-being

In consonance with the foregoing principles, the Hawai‘i State Plan identifies three (3) clarifying goals:

1. A strong, viable economy, characterized by stability, diversity, and growth, that enables the fulfillment of the needs and expectations of Hawai‘i’s present and future generations.
2. A desired physical environment, characterized by beauty, cleanliness, quiet, stable natural systems, and uniqueness, that enhances the mental and physical well-being of the people.
3. Physical, social, and economic well-being for individuals and families in Hawai‘i that nourishes a sense of community responsibility, caring, and participation in community life.

This section of the environmental assessment examines the applicability of the proposed action as it relates to the objectives, policies, and priority guidelines of the Hawai'i State Plan, as set forth in HRS Sections 226-5 through 226-27.

The table below summarizes the relationship between the proposed action and the goals of the Hawai'i State Plan. The relationship between the action and the goals are categorized into the following groups. More detailed analysis and discussion, including the methodology used, is presented in **Appendix "G-1"**.

1. **Directly applicable**: the action and its potential effects directly advance or promote the objective, policy, or priority guideline.
2. **Indirectly applicable**: the action and its potential effects indirectly support or advance the objective, policy, or priority guideline.
3. **Not applicable**: the action and its potential effects have no direct or indirect relationship to the objectives and policies of the Hawai'i State Plan.

In general, a proposed action's applicability to the objectives, policies, and priority guidelines of the Hawai'i State Plan is judged on the basis of the action's direct or indirect relationship to the respective objectives, policies, and priority directions. It is recognized that the categorization of "applicability" is subject to interpretation and should be appropriately considered in the context of local and regional conditions. The analysis presented in **Table 8** and summarized below focuses on key elements of the proposed action's relationship to the Hawai'i State Plan. Detailed discussion on the applicability of the proposed action to each goal and related objectives, policies, and implementing actions of the Hawai'i State Plan is provided in **Appendix "G-1"**.

**Table 8.** Hawai'i State Plan, Chapter 226, HRS Part I. Overall Themes, Goals, Objectives and Polices (HRS 226-1 to 226-27)

Hawai'i State Plan, Chapter 226, HRS Part I. Overall Themes, Goals, Objectives and Policies Key: DA = Directly Applicable, IA = Indirectly Applicable, NA = Not Applicable	DA	IA	NA
<b>HRS 226-1: Findings and Purpose</b>			
<b>HRS 226-2: Definitions</b>			
<b>HRS 226-3: Overall Theme</b>			
<b>HRS 226-4: State Goals.</b> In order to ensure, for the present and future generations, those elements of choice and mobility that ensure that individuals and groups may approach their desired levels of self-reliance and self determination, it shall be the goal of the State to achieve: (1) A strong, viable economy, characterized by stability, diversity, and growth, that enables the fulfillment of the needs and expectations of Hawaii's present and future generations. (2) A desired physical environment, characterized by beauty, cleanliness, quiet, stable natural systems, and uniqueness, that enhances the mental and physical well-being of the people.			

Hawai'i State Plan, Chapter 226, HRS Part I. Overall Themes, Goals, Objectives and Policies Key: DA = Directly Applicable, IA = Indirectly Applicable, NA = Not Applicable	DA	IA	NA
(3) Physical, social, and economic well-being, for individuals and families in Hawaii, that nourishes a sense of community responsibility, of caring, and of participation in community life.			
<b>Chapter 226-5 Objective and Policies for Population</b>			
<b><u>Objective:</u></b>			
(a) It shall be the objective in planning for the State's population to guide population growth to be consistent with the achievement of physical, economic and social objectives contained in this chapter.		✓	
<b>Chapter 226-6 Objectives and policies for the economy – – in general</b>			
<b><u>Objectives:</u></b>			
(a) Planning for the State's economy in general shall be directed toward achievement of the following objectives:			
(1) Increased and diversified employment opportunities to achieve full employment, increased income and job choice, and improved living standards for Hawaii's people, while at the same time stimulating the development and expansion of economic activities capitalizing on defense, dual-use, and science and technology assets, particularly on the neighbor islands where employment opportunities may be limited.			✓
(2) A steadily growing and diversified economic base that is not overly dependent on a few industries, and includes the development and expansion of industries on the neighbor islands.			✓
<b>Chapter 226-7 Objectives and policies for the economy – – agriculture.</b>			
<b><u>Objectives:</u></b>			
(a) Planning for the State's economy with regard to agriculture shall be directed towards achievement of the following objectives:			
(1) Viability of Hawaii's sugar and pineapple industries.			✓
(2) Growth and development of diversified agriculture throughout the State.			✓
(3) An agriculture industry that continues to constitute a dynamic and essential component of Hawaii's strategic, economic, and social well-being.			✓
<b>Chapter 226-8 Objective and policies for the economy – – visitor industry.</b>			
<b><u>Objective:</u></b>			
(a) Planning for the State's economy with regard to the visitor industry shall be directed towards the achievement of the objective of a visitor industry that constitutes a major component of steady growth for Hawaii's economy.			✓
<b>Chapter 226-9 Objective and policies for the economy – – federal expenditures.</b>			
<b><u>Objective:</u></b>			
(a) Planning for the State's economy with regard to federal expenditures shall be directed towards achievement of the objective of a stable federal investment base as an integral component of Hawaii's economy.			✓



Hawai'i State Plan, Chapter 226, HRS Part I. Overall Themes, Goals, Objectives and Policies Key: DA = Directly Applicable, IA = Indirectly Applicable, NA = Not Applicable	DA	IA	NA
<b>Chapter 226-10 Objective and policies for the economy – – potential growth and innovative activities.</b>			
<b><u>Objective:</u></b>			
(a) Planning for the State's economy with regard to potential growth and innovative activities shall be directed towards achievement of the objective of development and expansion of potential growth and innovative activities that serve to increase and diversify Hawaii's economic base.			✓
<b>Chapter 226-10.5 Objectives and policies for the economy – – information industry.</b>			
<b><u>Objective:</u></b>			
(a) Planning for the State's economy with regard to telecommunications and information technology shall be directed toward recognizing that broadband and wireless communication capability and infrastructure are foundations for an innovative economy and positioning Hawaii as a leader in broadband and wireless communications and applications in the Pacific Region.			✓
<b>Chapter 226-11 Objectives and policies for the physical environment – – land based, shoreline, and marine resources.</b>			
<b><u>Objectives:</u></b>			
(a) Planning for the State's physical environment with regard to land-based, shoreline, and marine resources shall be directed towards achievement of the following objectives:			
(1) Prudent use of Hawaii's land-based, shoreline, and marine resources.		✓	
(2) Effective protection of Hawaii's unique and fragile environmental resources.		✓	
<b>Chapter 226-12 Objective and policies for the physical environment – – scenic, natural beauty, and historic resources.</b>			
<b><u>Objective:</u></b>			
(a) Planning for the State's physical environment shall be directed towards achievement of the objective of enhancement of Hawaii's scenic assets, natural beauty, and multi-cultural/historical resources.		✓	
<b>Chapter 226-13 Objectives and policies for the physical environment – – land, air, and water quality.</b>			
<b><u>Objectives:</u></b>			
(a) Planning for the State's physical environment with regard to land, air, and water quality shall be directed towards achievement of the following objectives:		✓	
(1) Maintenance and pursuit of improved quality in Hawaii's land, air, and water resources.		✓	
(2) Greater public awareness and appreciation of Hawaii's environmental resources.		✓	

Hawai'i State Plan, Chapter 226, HRS Part I. Overall Themes, Goals, Objectives and Policies Key: DA = Directly Applicable, IA = Indirectly Applicable, NA = Not Applicable	DA	IA	NA
<b>Chapter 226-14 Objective and policies for facility systems – – in general.</b>			
<b><u>Objective:</u></b>			
(a) Planning for the State's facility systems in general shall be directed towards achievement of the objective of water, transportation, sustainable development, climate change adaptation, sea level rise adaptation, waste disposal, and energy and telecommunication systems that support statewide social, economic, and physical objectives.			✓
<b>Chapter 226-15 Objectives and policies for facility systems – – solid and liquid waste.</b>			
<b><u>Objectives:</u></b>			
(a) Planning for the State's facility systems with regard to solid and liquid wastes shall be directed towards the achievement of the following objectives:			✓
(1) Maintenance of basic public health and sanitation standards relating to treatment and disposal of solid and liquid wastes.			✓
(2) Provision of adequate sewerage facilities for physical and economic activities that alleviate problems in housing, employment, mobility, and other areas.			✓
<b>Chapter 226-16 Objective and policies for facility systems – – water.</b>			
<b><u>Objective:</u></b>			
(a) Planning for the State's facility systems with regard to water shall be directed towards achievement of the objective of the provision of water to adequately accommodate domestic, agricultural, commercial, industrial, recreational, and other needs within resource capacities.		✓	
<b>Chapter 226-17 Objectives and policies for facility systems – – transportation.</b>			
<b><u>Objectives:</u></b>			
(a) Planning for the State's facility systems with regard to transportation shall be directed towards the achievement of the following objectives:			✓
(1) An integrated multi-modal transportation system that services statewide needs and promotes the efficient, economical, safe, and convenient movement of people and goods.			✓
(2) A statewide transportation system that is consistent with and will accommodate planned growth objectives throughout the State.			✓
<b>Chapter 226-18 Objectives and policies for facility systems – – energy.</b>			
<b><u>Objectives:</u></b>			
(a) Planning for the State's facility systems with regard to energy shall be directed toward the achievement of the following objectives, giving due consideration to all:			
(1) Dependable, efficient, and economical statewide energy systems capable of supporting the needs of the people;			✓
(2) Increased energy security and self-sufficiency through the reduction and ultimate elimination of Hawaii's dependence on imported fuels for electrical generation and ground transportation.		✓	
(3) Greater diversification of energy generation in the face of threats to Hawaii's energy supplies and systems;			✓

Hawai'i State Plan, Chapter 226, HRS Part I. Overall Themes, Goals, Objectives and Policies Key: DA = Directly Applicable, IA = Indirectly Applicable, NA = Not Applicable	DA	IA	NA
(4) Reduction, avoidance, or sequestration of greenhouse gas emissions from energy supply and use; and			✓
(5) Utility models that make the social and financial interests of Hawaii's utility customers a priority.			✓
<b>Chapter 226-18.5 Objectives and policies for facility systems – – telecommunications.</b>			
<b><u>Objective:</u></b>			
(a) Planning for the State's telecommunications facility systems shall be directed towards the achievement of dependable, efficient, and economical statewide telecommunications systems capable of supporting the needs of the people.			
<b>Chapter 226-19 Objectives and policies for socio-cultural advancement – – housing.</b>			
<b><u>Objectives:</u></b>			
(a) Planning for the State's socio-cultural advancement with regard to housing shall be directed toward the achievement of the following objectives:			✓
(1) Greater opportunities for Hawaii's people to secure reasonably priced, safe, sanitary, and livable homes, located in suitable environments that satisfactorily accommodate the needs and desires of families and individuals, through collaboration and cooperation between government and nonprofit and for-profit developers to ensure that more affordable housing is made available to very low-, low- and moderate-income segments of Hawaii's population.			✓
(2) The orderly development of residential areas sensitive to community needs and other land uses.			✓
(3) The development and provision of affordable rental housing by the State to meet the housing needs of Hawaii's people.			✓
<b>Chapter 226-20 Objectives and policies for socio-cultural advancement – – health.</b>			
<b><u>Objectives:</u></b>			
(a) Planning for the State's socio-cultural advancement with regard to health shall be directed towards achievement of the following objectives:			
(1) Fulfillment of basic individual health needs of the general public.			✓
(2) Maintenance of sanitary and environmentally healthful conditions in Hawaii's communities.			✓
(3) Elimination of health disparities by identifying and addressing social determinants of health.			✓
<b>Chapter 226-21 Objectives and policies for Socio-cultural advancement – – education.</b>			
<b><u>Objective:</u></b>			
(a) Planning for the State's socio-cultural advancement with regard to education shall be directed towards achievement of the objective of the provision of a variety of educational opportunities to enable individuals to fulfill their needs, responsibilities, and aspirations.			✓

Hawai'i State Plan, Chapter 226, HRS Part I. Overall Themes, Goals, Objectives and Policies Key: DA = Directly Applicable, IA = Indirectly Applicable, NA = Not Applicable	DA	IA	NA
<b>Chapter 226-22 Objective and policies for socio-cultural advancement – – social services.</b>			
<b><u>Objective:</u></b>			
(a) Planning for the State's socio-cultural advancement with regard to social services shall be directed towards the achievement of the objective of improved public and private social services and activities that enable individuals, families, and groups to become more self-reliant and confident to improve their well-being.			✓
<b>Chapter 226-23 Objective and policies for socio-cultural advancement – – leisure.</b>			
<b><u>Objective:</u></b>			
(a) Planning for the State's socio-cultural advancement with regard to leisure shall be directed towards the achievement of the objective of the adequate provision of resources to accommodate diverse cultural, artistic, and recreational needs for present and future generations.			✓
<b>Chapter 226-24 Objective and policies for socio-cultural advancement – – individual rights and personal well-being.</b>			
<b><u>Objective:</u></b>			
(a) Planning for the State's socio-cultural advancement with regard to individual rights and personal well-being shall be directed towards achievement of the objective of increased opportunities and protection of individual rights to enable individuals to fulfill their socio-economic needs and aspirations.			✓
<b>Chapter 226-25 Objective and policies for socio-cultural advancement – – culture.</b>			
<b><u>Objective:</u></b>			
(a) Planning for the State's socio-cultural advancement with regard to culture shall be directed toward the achievement of the objective of enhancement of cultural identities, traditions, values, customs, and arts of Hawaii's people.			✓
<b>Chapter 226-26 Objectives and policies for socio-cultural advancement – – public safety.</b>			
<b><u>Objectives:</u></b>			
(a) Planning for the State's socio-cultural advancement with regard to public safety shall be directed towards the achievement of the following objectives:			
(1) Assurance of public safety and adequate protection of life and property for all people.	✓		
(2) Optimum organizational readiness and capability in all phases of emergency management to maintain the strength, resources, and social and economic well-being of the community in the event of civil disruptions, wars, natural disasters, and other major disturbances.	✓		
(3) Promotion of a sense of community responsibility for the welfare and safety of Hawaii's people.			✓
<b>Chapter 226-27 Objectives and policies for socio-cultural advancement – – government.</b>			
<b><u>Objectives:</u></b>			
(a) Planning the State's socio-cultural advancement with regard to government shall be directed towards the achievement of the following objectives:			

Hawai'i State Plan, Chapter 226, HRS Part I. Overall Themes, Goals, Objectives and Policies Key: DA = Directly Applicable, IA = Indirectly Applicable, NA = Not Applicable	DA	IA	NA
(1) Efficient, effective, and responsive government services at all levels in the State.	✓		
(2) Fiscal integrity, responsibility, and efficiency in the state government and county governments.	✓		

The proposed project is directly applicable to the goal and objectives related to public safety. The new Ha'ikū Fire Station will provide fire protection services to the community of Ha'ikū where currently there is no fire station. The proposed project will ensure public safety programs are effective and responsive to community needs.

The proposed project is indirectly applicable to the goal and objectives for population. The proposed project will provide fire protection for a resident population in Ha'ikū that is currently not served by a local fire station. The proposed project will encourage increased job opportunities during the construction phase.

The proposed project is indirectly applicable to the goal and objectives related to the environment. Physical attributes of the site were considered in the final design of the project to ensure environmental impacts are avoided or mitigated. A Biological Resources Survey was conducted for the project. Appropriate mitigation measures will be conducted to avoid and minimize adverse impacts on threatened and endangered species such as the Hawaiian hoary bat and seabirds as recommended by the U.S. Fish and Wildlife Service.

The proposed project is indirectly applicable to the goal and objectives related to energy facility systems. The proposed project will incorporate energy-saving design principles such as the installation of a heat recovery hot water system that will utilize waste heat from air conditioning condensing units and the installation of wall-mounted occupancy sensor light switches within private offices, small storage rooms, the laundry room and bathrooms.

The proposed project is directly applicable to the objectives and policies related to socio-cultural advancement with regard to government services. The new Hai'kū fire station will be an effective and responsive government service that is needed in Hai'kū.

**Priority Guidelines**

“Priority guidelines” are the guidelines that take precedence when addressing areas of statewide concern. This section addresses the proposed project’s applicability to the priority guidelines set forth in HRS, Sections 226-101 to 226-109.

The priority guidelines of the Hawai'i State Plan cover the economy, population growth and land resources, crime and criminal justice, affordable housing, quality education, sustainability, and climate change adaptation.

**Table 9** summarizes the relationship between the proposed action and the priority guidelines of the Hawai'i State Plan. More detailed discussion is presented in **Appendix "G-1"**.

**Table 9.** Hawai'i State Plan, Chapter 226, HRS Part III. Priority Guidelines (Chapters 226-101 to 226-109)

Hawai'i State Plan, Chapter 226, HRS Part III. Priority Guidelines Key: DA = Directly Applicable, IA = Indirectly Applicable, NA = Not Applicable	DA	IA	N/A
<b>Chapter 226-101: Purpose.</b> The purpose of this part is to establish overall priority guidelines to address areas of statewide concern.			
<b>Chapter 226-102: Overall direction.</b> The State shall strive to improve the quality of life for Hawaii's present and future population through the pursuit of desirable courses of action in seven major areas of statewide concern which merit priority attention: economic development, population growth and land resource management, affordable housing, crime and criminal justice, quality education, principles of sustainability, and climate change adaptation.			
<b>Chapter 226-103: Economic priority guidelines.</b>			
(a) <b>Priority guidelines to stimulate economic growth and encourage business expansion and development to provide needed jobs for Hawaii's people and achieve a stable and diversified economy</b>			✓
(b) <b>Priority guidelines to promote the economic health and quality of the visitor industry</b>			✓
(c) <b>Priority guidelines to promote the continued viability of the sugar and pineapple industries</b>			✓
(d) <b>Priority guidelines to promote the growth and development of diversified agriculture and aquaculture</b>			✓
(e) <b>Priority guidelines for water use and development</b>			✓
(f) <b>Priority guidelines for energy use and development</b>			✓
(g) <b>Priority guidelines to promote the development of the information industry</b>			✓
<b>Chapter 226-104: Population growth and land resources priority guidelines.</b>			
(a) <b>Priority guidelines to effect desired statewide growth and distribution</b>	✓		
(b) <b>Priority guidelines for regional growth distribution and land resource utilization</b>	✓		
<b>Chapter 226-105: Crime and criminal justice.</b>			
<b>Priority guidelines in the area of crime and criminal justice</b>			✓
<b>Chapter 226-106: Affordable housing.</b>			
<b>Priority guidelines for the provision of affordable housing</b>			✓
<b>Chapter 226-107: Quality education.</b>			
<b>Priority guidelines to promote quality education</b>			✓
<b>CHAPTER 226-108: Sustainability</b>			
<b>Priority guidelines and principles to promote sustainability</b>	✓		
<b>CHAPTER 226-109: Climate change adaptation</b>			
<b>Priority guidelines to prepare the State to address the impacts of climate change, including impacts to the areas of agriculture;</b>		✓	

Hawai'i State Plan, Chapter 226, HRS Part III. Priority Guidelines Key: DA = Directly Applicable, IA = Indirectly Applicable, NA = Not Applicable	DA	IA	N/A
<b>conservation lands; coastal and nearshore marine areas; natural and cultural resources; education; energy; higher education; health; historic preservation; water resources; the built environment, such as housing, recreation, transportation; and the economy shall:</b>			

The proposed project is directly applicable to the priority guidelines related to population growth and land resources. The new fire station will be located on 6.1 acres of nonessential agricultural lands to provide fire protection services to a rural community that presently does not have local fire service. The proposed fire station will be designed to maintain the rural character of the area.

The proposed project is directly applicable to the priority guidelines for sustainability. The proposed project will incorporate sustainable design features. As such, it will meet the needs of the present (fire prevention services) without compromising the needs of future generations (the need for a safe, viable environment).

The proposed project is indirectly applicable to the priority guidelines related to climate change adaptation. The project site is located outside of the 3.2-foot Sea-Level Rise Exposure Area identified in the *Hawai'i Sea Level Rise Vulnerability and Adaptation Report* (2018), meaning that the risk of potential impacts related to sea-level rise are minimal. The proposed landscape plan will incorporate native plants and indigenous trees to both cool the project site and reduce water consumption.

#### **D. STATE FUNCTIONAL PLAN**

A key element of the Statewide Planning System is the Functional Plans which set forth the policies, statewide guidelines, and priorities within a specific field of activity. There are 13 Functional Plans, which have been developed by the State agency primarily responsible for a given functional area. Together with the County General Plans, the State Functional Plans establish more specific strategies for implementation. In particular, the State Functional Plans provide for the following:

- Identify major Statewide priority concerns
- Define current strategies for each functional area
- Identify major relationships among functional areas
- Provide direction and strategies for departmental policies, programs, and priorities
- Provide a guide for the allocation of resources

- Coordinate State and County roles and responsibilities in the implementation of the Hawai'i State Plan

Thirteen (13) Functional Plans have been prepared by State agencies. **Table 10** provides an assessment of the relationship between the proposed action and each of the 13 Functional Plans.



**Table 10.** Relationship Between the Proposed Ha'ikū Fire Station and Related Improvements and the State Functional Plans

State Functional Plan		State Coordinating Agency	Purpose	Analysis
1	Agriculture Functional Plan (1991)	Department of Agriculture	Continued viability of agriculture throughout the state	Although the proposed project will redesignate 6.1 acres of agricultural land for rural use, due to the vast acreages of agricultural land available for diversified agriculture, the proposed project will not adversely impact the objectives and policies of this functional plan.
2	Conservation Lands State Functional Plan (1991)	Department of Land and Natural Resources	Addresses issues of population and economic growth and its strain on current natural resources; broadening public use of natural resources while protecting lands and shorelines from overuse; additionally, promotes the aquaculture industry	The proposed project is not within a Conservation District and does not contravene the objectives of this functional plan.
3	Education State Functional Plan (1989)	Department of Education	Improvements to Hawai'i's educational curriculum, quality of educational staff, and access to adequate facilities	Not Applicable
4	Employment State Functional Plan (1990)	Department of Labor and Industrial Relations	Improve the qualifications, productivity, and effectiveness of the state's workforce through better education and training of workers as well as efficient planning of economic development, employment opportunities, and training activities	In the short-term, the proposed project will generate employment opportunities during construction, thereby directly supporting this functional plan.
5	Energy State Functional Plan (1991)	Department of Business, Economic Development and Tourism	Lessen the reliance on petroleum and other fossil fuels in favor of alternative sources of energy so as to keep up with the state's increasing energy demands while also becoming a more sustainable island state; achieving dependable, efficient, and economical statewide energy systems	The proposed project will incorporate energy saving and resource conservation practices, thereby directly supporting this functional plan.

State Functional Plan		State Coordinating Agency	Purpose	Analysis
6	Health State Functional Plan (1989)	Department of Health	Improve health care system by providing for those who don't have access to private health care providers; increasing preventative health measures; addressing quality-of-care elements in private and public sectors to cut increasing costs	Not Applicable
7	Higher Education Functional Plan (1984)	University of Hawai'i	Prepare Hawai'i's citizens for the demands of an increasingly complex world through providing technical and intellectual tools	Not Applicable
8	Historic Preservation State Functional Plan (1991)	Department of Land and Natural Resources	Preservation of historic properties, records, artifacts, and oral histories; provide public with information/education on the ethnic and cultural heritages and history of Hawai'i	An AIS of the project area was completed and did not reveal any subsurface cultural layers of historic materials. SHPD accepted the findings of the AIS. A Cultural Impact Assessment was also carried out to inform the public on the ethnic and cultural heritages and history of the project area.
9	Housing State Functional Plan (2017)	Hawai'i Housing Finance and Development Corporation	Based largely on joint public/private efforts to finance, build, and maintain an adequate supply of affordable housing. It will be a working tool to guide the state, the counties, as well as the private sector in meeting the overall goal that every Hawai'i resident will have the opportunity to live in a safe, decent, and affordable home.	Not Applicable
10	Human Services State Functional Plan (1989)	Department of Human Services	Refining support systems for families and individuals by improving elderly care; increasing preventative measures to combat child/spousal abuse and neglect; providing means for self-sufficiency	Not Applicable

State Functional Plan		State Coordinating Agency	Purpose	Analysis
11	Recreation State Functional Plan (1991)	Department of Land and Natural Resources	Manage the use of recreational resources via addressing issues: (1) ocean and shoreline recreation, (2) upland, urban, and other recreation opportunities, (3) public access to shoreline and upland recreation areas, (4) resource conservation and management, (5) management of recreation programs/facilities/areas, and (6) wetlands protection and management	Not Applicable
12	Tourism State Functional Plan (1991)	Department of Business, Economic Development and Tourism	Balance tourism/economic growth with environmental and community concerns; development that is cognizant of the limited land and water resources of the islands; maintaining friendly relations between tourists and community members; development of a productive workforce; and enhancement of career and employment opportunities in the visitor industry	Not Applicable
13	Transportation State Functional Plan (1991)	Department of Transportation	Development of a safer, more efficient transportation system that also is consistent with planned physical and economic growth of the state; construction of facility and infrastructure improvements; develop a transportation system balanced with new alternatives; pursue land use initiatives which help reduce travel demand	Not Applicable

## **E. GENERAL PLAN OF THE COUNTY OF MAUI**

According to the Maui County Charter, the general plan:

*... shall indicate desired population and physical development patterns for each island and region within the county; shall address the unique problems and needs of each island and region; shall explain opportunities and the social, economic, and environmental consequences related to potential developments; and shall set forth the desired sequence, patterns and characteristics of future developments. The general plan shall identify objectives to be achieved, and priorities, policies, and implementing actions to be pursued with respect to population density, land use maps, land use regulations, transportation systems, public and community facility locations, water and sewage systems, visitor destinations, urban design, and other matters related to development.*

Chapter 2.80B of the Maui County Code, relating to the General Plan and Community Plans, implements the foregoing Charter provision through enabling legislation that calls for a Countywide Policy Plan and a Maui Island Plan.

### **1. Countywide Policy Plan**

The Countywide Policy Plan was adopted in March 2010 and is a comprehensive policy document for the islands of Maui County to the year 2030. The plan replaces the General Plan of the County of Maui 1990 Update and provides the policy framework for the development of the Maui Island Plan as well as for updating the nine (9) detailed Community Plans. The Countywide Policy Plan provides broad goals, objectives, policies, and implementing actions that portray the desired direction of the County's future. Goals are intended to describe a desirable condition of the County by the year 2030 and are intentionally general. Objectives tend to be more specific and may be regarded as milestones to achieve the larger goals. Policies are not intended as regulations, but instead provide a general guideline for County decision makers, departments, and collaborating organizations toward the attainment of goals and objectives. Implementing actions are specific tasks, procedures, programs, or techniques that carry out policy.

In general, a proposed action's applicability to the goals, objectives, policies, and implementing actions of the Countywide Policy Plan is judged on the basis of the action's direct or indirect relationship to the respective objectives, policies, and priority directions. It is recognized that the categorization of "applicability" is subject to interpretation and should be appropriately considered in the context of local and regional conditions. The analysis presented in **Table 11** and summarized below focuses on key elements of the proposed action's relationship to the Countywide Policy Plan. Detailed discussion on the applicability of the proposed action to each

goal and related objectives, policies, and implementing actions of the Countywide Policy Plan is provided in **Appendix “G-2”**.

- a) **Directly applicable**: the action and its potential effects directly advance, promote or affect the relevant goal, objective, or policy.
- b) **Indirectly applicable**: the action and its potential effects indirectly support, advance or affect the objective, policy, or priority guideline.
- c) **Not applicable**: the action and its potential effects have no direct or indirect relationship to the objectives and policies of the Countywide Policy Plan.

**Table 11. Countywide Policy Plan**

COUNTYWIDE POLICY PLAN (Key: DA = Directly Applicable, IA = Indirectly Applicable, NA = Not Applicable)	DA	IA	NA
<b>A. PROTECT THE NATURAL ENVIRONMENT</b>			
<b>Goal:</b> Maui County’s natural environment and distinctive open spaces will be preserved, managed, and cared for in perpetuity.		✓	
<b>B. PRESERVE LOCAL CULTURES AND TRADITIONS</b>			
<b>Goal:</b> Maui County will foster a spirit of pono and protect, perpetuate, and reinvigorate its residents’ multi-cultural values and traditions to ensure that current and future generations will enjoy the benefits of their rich island heritage.		✓	
<b>C. IMPROVE EDUCATION</b>			
<b>Goal:</b> Residents will have access to lifelong formal and informal educational options enabling them to realize their ambitions.			✓
<b>D. STRENGTHEN SOCIAL AND HEALTHCARE SERVICES</b>			
<b>Goal:</b> Health and social services in Maui County will fully and comprehensively serve all segments of the population.			✓
<b>E. EXPAND HOUSING OPPORTUNITIES FOR RESIDENTS</b>			
<b>Goal:</b> Quality, island-appropriate housing will be available to all residents.			✓
<b>F. STRENGTHEN THE LOCAL ECONOMY</b>			
<b>Goal:</b> Maui County’s economy will be diverse, sustainable, and supportive of community values.			✓
<b>G. IMPROVE PARKS AND PUBLIC FACILITIES</b>			
<b>Goal:</b> A full range of island-appropriate public facilities and recreational opportunities will be provided to improve the quality of life for residents and visitors.	✓		
<b>H. DIVERSIFY TRANSPORTATION OPTIONS</b>			
<b>Goal:</b> Maui County will have an efficient, economical, and environmentally sensitive means of moving people and goods.			✓
<b>I. IMPROVE PHYSICAL INFRASTRUCTURE</b>			
<b>Goal:</b> Maui County’s physical infrastructure will be maintained in optimum condition and will provide for and effectively serve the needs of the County through clean and sustainable technologies.	✓		

<b>COUNTYWIDE POLICY PLAN</b> (Key: DA = Directly Applicable, IA = Indirectly Applicable, NA = Not Applicable)			
	DA	IA	NA
<b>J. PROMOTE SUSTAINABLE LAND USE AND GROWTH MANAGEMENT</b>			
<b>Goal:</b> Community character, lifestyles, economies, and natural assets will be preserved by managing growth and using land in a sustainable manner.	✓		
<b>K. STRIVE FOR GOOD GOVERNANCE</b>			
<b>Goal:</b> Government services will be transparent, effective, efficient, and responsive to the needs of residents.	✓		
<b>L. MITIGATE CLIMATE CHANGE AND WORK TOWARD RESILIENCE</b>			
<b>Goal:</b> Minimize the causes and negative effects of climate change.	✓		

The proposed project is directly applicable to the objective and policies to improve public facilities. The proposed new Ha'ikū Fire Station will be located in the rural community of Ha'ikū which currently does not have local fire protection services. The nearest fire stations are located in Pā'ia and Makawao, which are located approximately six (6) and eight (8) miles from Ha'ikū, respectively.

Through the EA process, the proposed project analyzed any potential effects it may have on environmental, cultural, historic, and archaeological resources, commissioning studies including a CIA, an AIS, and a Biological Resources Survey, and undergoing review by SHPD. Based on the results of these efforts, the proposed project is not anticipated to have any significant adverse impacts on those resources. As such, it indirectly applies to the goals relating to the protection of the natural environment and the preservation of local cultures and traditions.

The proposed project is directly applicable to the goal involving Maui County's physical infrastructure. The project site is located within a Rural Growth Boundary. There is existing infrastructure capacity to service the proposed project's potable water needs.

The proposed project is directly applicable to the goal to strive for good governance. The DF&PS carried out stakeholder meetings with local community groups during the process of selecting and acquiring the site for the project.

The proposed project is directly applicable to the goal and objectives to manage growth and use land in a sustainable manner. The proposed project site is located in a Rural Growth Boundary. The new fire station will be located in an area where there is infrastructure and service capacity.

The proposed project is directly applicable to the goal to minimize the causes and negative effects of climate change. The project site is located outside of the 3.2-foot Sea-Level Rise Exposure Area identified in the *Hawai'i Sea Level Rise Vulnerability and Adaptation Report* (2018), meaning that the risk of potential

impacts related to sea-level rise are minimal. The proposed landscape plan will incorporate native plants and indigenous trees to both cool the project site and reduce water consumption.

## **2. Maui Island Plan**

The Maui Island Plan (MIP) is applicable to the island of Maui only, providing more specific policy-based strategies for population, land use, transportation, public and community facilities, water and wastewater systems, visitor destinations, urban design, and other matters related to future growth.

As provided by Chapter 2.80B, the MIP shall include the following components:

1. *An island-wide land use strategy, including a managed and directed growth plan*
2. *A water element assessing supply, demand and quality parameters*
3. *A nearshore ecosystem element assessing nearshore waters and requirements for preservation and restoration*
4. *An implementation program which addresses the County's 20-year capital improvement requirements, financial program for implementation, and action implementation schedule*
5. *Milestone indicators designed to measure implementation progress of the MIP*

The MIP addresses a number of planning categories with detailed policy analysis and recommendations which are framed in terms of goals, objectives, policies, and implementing actions. These planning categories address the following areas:

1. *Population*
2. *Heritage Resources*
3. *Natural Hazards*
4. *Economic Development*
5. *Housing*
6. *Infrastructure and Public Facilities*
7. *Land Use*

Additionally, an essential element of the MIP is its directed growth plan, which provides a management framework for future growth in a manner that is fiscally, environmentally, and culturally prudent. Among the directed growth management

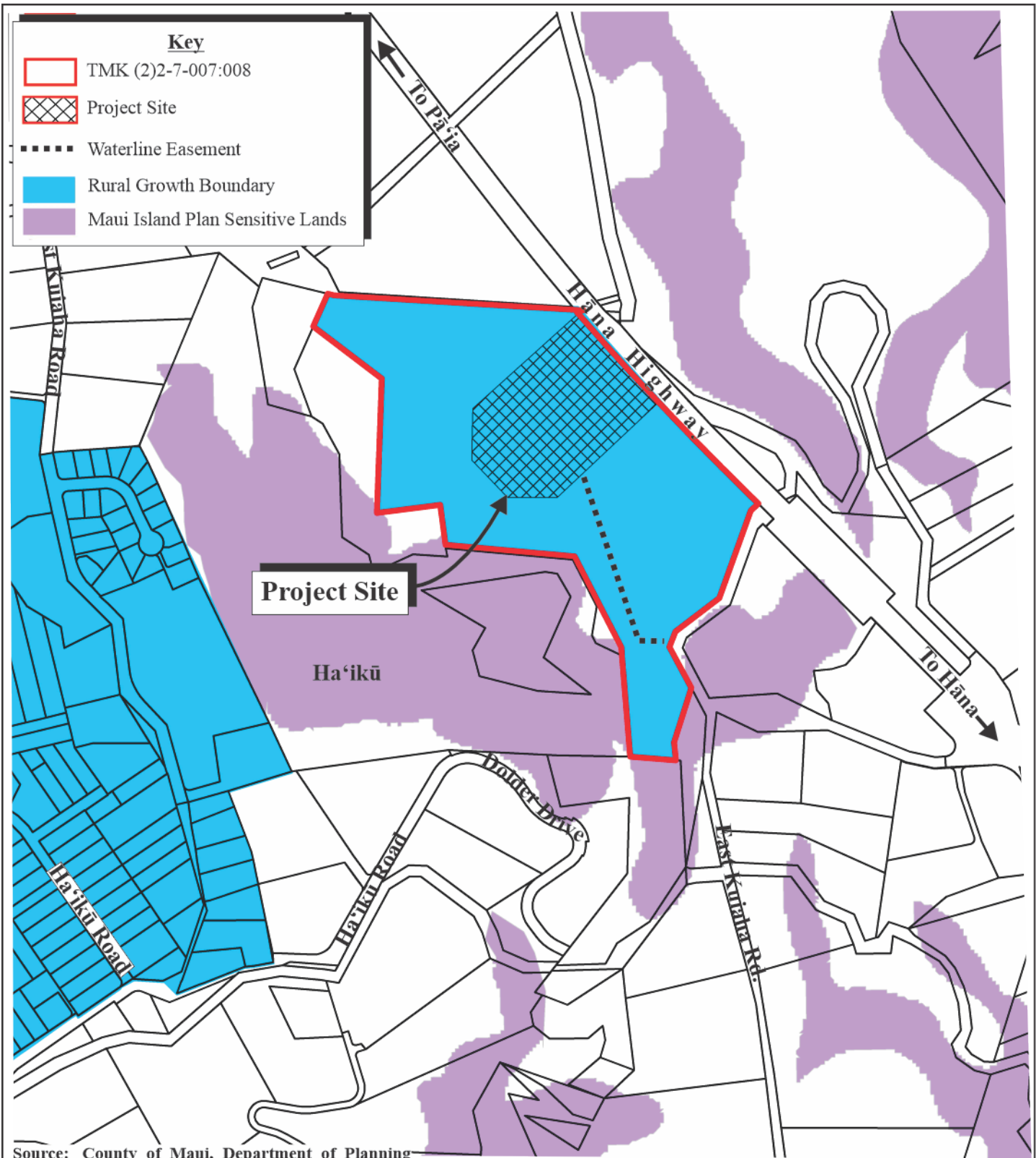
tools developed through the MIP process are maps delineating Urban Growth Boundaries (UGB), Small Town Boundaries, and Rural Growth Boundaries. The respective boundaries identify areas appropriate for future growth and their corresponding intent with respect to development character.

The proposed project is located within the Rural Growth Boundary of the MIP. In this regard, it is consistent with the directed growth strategy defined via growth maps adopted in the MIP. See **Figure 10**. The project does not involve Sensitive Lands as identified by the MIP.

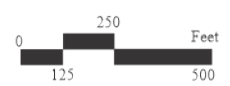
In general, a proposed action's applicability to the MIP is judged on the basis of the action's direct or indirect relationship to the respective objectives, policies, and priority directions. It is recognized that the categorization of "applicability" is subject to interpretation and should be appropriately considered in the context of local and regional conditions. The analysis presented in **Table 12** and summarized below focuses on key elements of the proposed action's relationship to the MIP. Detailed discussion on the applicability of the proposed action to each goal and related objectives, policies, and implementing actions of the MIP is provided in **Appendix "G-3"**.

1. **Directly applicable:** the action and its potential effects directly advance or promote the objective, policy or priority guideline.
2. **Indirectly applicable:** the action's potential effects indirectly support or advance the objective, policy or priority guideline.
3. **Not applicable:** The action and its potential effects have no direct or indirect relationship to the objectives and policies of the MIP.





**Figure 10 Proposed Ha'ikū Fire Station and Related Improvements Maui Island Plan Map**



Prepared for: County of Maui, Dept. of Fire and Public Safety



**Table 12. Maui Island Plan Goals, Objectives and Policies**

Maui Island Plan Goals, Objectives, Policies, and Actions Key: DA = Directly Applicable, IA = Indirectly Applicable, NA = Not Applicable	DA	IA	NA
<b>CHAPTER 1 – POPULATION</b>			
1.1 Maui’s people, values, and lifestyles thrive through strong, healthy, and vibrant island communities.	✓		
<b>CHAPTER 2 – HERITAGE RESOURCES</b>			
<b>CULTURAL, HISTORICAL, AND ARCHAEOLOGICAL RESOURCES ISSUES</b>			
2.1 Our community respects and protects archaeological and cultural resources while perpetuating diverse cultural identities and traditions.		✓	
<b>SHORELINE, REEFS, AND NEARSHORE WATERS</b>			
2.2 An intact, ecologically functional system of reef, shoreline, and nearshore waters that are protected in perpetuity.		✓	
<b>WATERSHEDS, STREAMS, AND WETLANDS ISSUES</b>			
2.3 Healthy watersheds, streams, and riparian environments.		✓	
<b>WILDLIFE AND NATURAL AREAS</b>			
2.4 Maui’s natural areas and indigenous flora and fauna will be protected.		✓	
<b>SCENIC RESOURCES</b>			
2.5 Maui will continue to be a beautiful island steeped in coastal, mountain, open space, and historically significant views that are preserved to enrich the residents’ quality of life, attract visitors, provide a connection to the past, and promote a sense of place.		✓	
<b>CHAPTER 3 – NATURAL HAZARDS</b>			
3.1 Maui will be disaster resilient.	✓		
<b>CHAPTER 4 – ECONOMIC DEVELOPMENT</b>			
<b>ECONOMIC DIVERSIFICATION</b>			
4.1 Maui will have a balanced economy composed of a variety of industries that offer employment opportunities and well-paying jobs and a business environment that is sensitive to resident needs and the island’s unique natural and cultural resources.			✓
<b>TOURISM</b>			
4.2 A healthy visitor industry that provides economic well-being with stable and diverse employment opportunities.			✓
<b>AGRICULTURE</b>			
4.3 Maui will have a diversified agricultural industry contributing to greater economic, food, and energy security and prosperity.			✓
<b>EMERGING SECTORS</b>			
4.4 A diverse array of emerging economic sectors.			✓

Maui Island Plan Goals, Objectives, Policies, and Actions Key: DA = Directly Applicable, IA = Indirectly Applicable, NA = Not Applicable	DA	IA	NA
<b>SMALL BUSINESS DEVELOPMENT</b>			
4.5 Small businesses will play a key role in Maui's economy.		✓	
<b>HEALTH CARE SECTOR</b>			
4.6 Maui will have a health care industry and options that broaden career opportunities that are reliable, efficient, and provide social well-being.			✓
<b>EDUCATION AND WORKFORCE DEVELOPMENT</b>			
4.7 Maui will have effective education and workforce development programs and initiatives that are aligned with economic development goals.			✓
<b>CHAPTER 5 – HOUSING</b>			
5.1 Maui will have safe, decent, appropriate, and affordable housing for all residents developed in a way that contributes to strong neighborhoods and a thriving island community.		✓	
<b>CHAPTER 6 – INFRASTRUCTURE AND PUBLIC FACILITIES</b>			
<b>SOLID WASTE</b>			
6.1 Maui will have implemented the ISWMP thereby diverting waste from its landfills, extending their capacities.			✓
<b>WASTEWATER</b>			
6.2 Maui will have wastewater systems that comply with or exceed State and Federal regulations; meet levels-of-service needs; provide adequate capacity to accommodate projected demand; ensure efficient, effective, and environmentally sensitive operation; and maximize wastewater reuse where feasible.			✓
<b>WATER</b>			
6.3 Maui will have an environmentally sustainable, reliable, safe, and efficient water system.			✓
<b>TRANSPORTATION</b>			
6.4 An interconnected, efficient, and well-maintained, multimodal transportation system.			✓
<b>TRANSIT</b>			
6.5 An island-wide transit system that addresses the needs of residents and visitors and contributes to healthy and livable communities.			✓
<b>PARKS</b>			
6.6 Maui will have a diverse range of active and passive recreational parks, wilderness areas, and other natural-resource areas linked, where feasible, by a network of greenways, bikeways, pathways, and roads that are accessible to all.			✓

Maui Island Plan Goals, Objectives, Policies, and Actions Key: DA = Directly Applicable, IA = Indirectly Applicable, NA = Not Applicable	DA	IA	NA
<b>PUBLIC FACILITIES</b>			
6.7 Maui will have adequate public facilities that meet the diverse needs of residents.	✓		
<b>SCHOOLS AND LIBRARIES</b>			
6.8 Maui will have school and library facilities that meet residents' needs and goals.			✓
<b>HEALTH CARE</b>			
6.9 All of Maui residents will have the best possible health care to include healthy living, disease prevention, as well as acute and long-term care.			✓
<b>ENERGY</b>			
6.10 Maui will meet its energy needs through local sources of clean, renewable energy, and through conservation.		✓	
<b>HARBORS AND AIRPORT</b>			
6.11 Maui will have harbors and airports that will efficiently, dependably, and safely facilitate the movement of passengers and cargo.			✓
<b>CHAPTER 7 – LAND USE</b>			
<b>AGRICULTURAL LANDS</b>			
7.1 Maui will have a prosperous agricultural industry and will protect agricultural lands.			✓
<b>RURAL AREAS</b>			
7.2 Maui will have a rural landscape and lifestyle where natural systems, cultural resources and farm lands are protected and development enhances and compliments the viability and character of rural communities.	✓		
<b>URBAN AREAS</b>			
7.3 Maui will have livable human-scale urban communities, an efficient and sustainable land use pattern, and sufficient housing and services for Maui residents.			✓
<b>CHAPTER 8 – DIRECTED GROWTH PLAN</b>			
<b>URBAN AND SMALL TOWN GROWTH AREA</b>			
8.1 Maui will have well-serviced, complete, and vibrant urban communities and traditional small towns through sound planning and clearly defined development expectations.			✓
<b>RURAL GROWTH AREA</b>			
8.2 Maui will maintain opportunities for agriculture and rural communities through sound planning and clearly defined development expectations.	✓		

Maui Island Plan Goals, Objectives, Policies, and Actions Key: DA = Directly Applicable, IA = Indirectly Applicable, NA = Not Applicable	DA	IA	NA
<b>PROTECTED AREA POLICY</b>			
8.3.a The Protect Areas in Diagrams E-1, NW-1, N-1, NE-1, S-1, SE-1, and WC-1 should be concurrently reviewed with Table 8-2 and with any proposed land uses that may result in an adverse impact on a Protected Area. The County Council and the Administration should be notified if a Protected Area may be compromised by a development proposal.			✓

The proposed project is directly applicable to the goal relating to population. A new fire station in Ha'ikū, where currently there is none, will offer better protection of life and property. A new fire station will allow the DF&PS to respond to disasters within the Ha'ikū community, which has experienced significant growth in the last several decades, and assist in disaster relief services faster and more efficiently. Based on the foregoing, the proposed project is also directly applicable to the goals related to natural hazards and public facilities, and it is indirectly applicable to the goal related to housing.

The proposed project is indirectly applicable to the goal and objectives relating to cultural, historic and archaeological resources. An AIS and CIA were carried out on the project site to ensure historic and cultural resources are protected and not adversely impacted.

The proposed project is indirectly applicable to the goal, objectives, and policies to protect an ecologically functional system of reef, shoreline, and nearshore waters. The project involves a BMP Plan to be followed during construction to manage stormwater runoff. Permanent drainage improvements will be implemented to ensure stormwater runoff will not adversely impact adjacent and downstream properties.

The proposed project is indirectly applicable to the goal, objectives, and policies to ensure natural areas and indigenous flora and fauna will be protected. As noted above, a Biological Resources Survey was carried out to ensure endangered and protected species and their habitats are protected and not adversely impacted. The proposed landscape plan will incorporate the use of indigenous plants.

The proposed project is indirectly applicable to the goal, objectives, and policies to protect scenic resources. The proposed project will involve the development of a new fire station that will be one (1) story in height and set back on the 6.1-acre site to mitigate visual impacts. All outdoor lighting will be shielded and downcast to protect Maui's night sky.

The proposed project is indirectly applicable to the goal, objectives, and policies related to economic development. The proposed project will support the building trades during construction, many of which are small business companies.

The proposed project is indirectly applicable to the goal, objectives, and policies related to energy. The proposed new fire station has been designed with energy conserving features including the use of cross ventilation to reduce electrical consumption.

The proposed project is directly applicable to the goal, objectives, and policies related to rural areas and Rural Growth Boundaries. The project site is located in a Rural Growth Boundary. The proposed project has been designed in accordance with the Pā'ia-Ha'ikū Country Town Design Guidelines to maintain the rural character of the surrounding area and built environment.

## **F. PA'IA-HA'IKU COMMUNITY PLAN**

Within Maui County, there are nine (9) community plan regions. From a General Plan implementation standpoint, each region is governed by a Community Plan which sets forth desired land use patterns, as well as goals, objectives, policies, and implementing actions for a number of functional areas.

The subject property is located within the Pā'ia-Ha'ikū region and occupies lands designated as "AG, Agriculture" in the Community Plan. See **Figure 11**. The proposed action involves the processing of a County-initiated Community Plan Amendment (CPA) application to redesignate the 6.1-acre project site as "Public/Quasi Public" so that the proposed action is a compatible use.

The proposed project is consistent with the following goals, policies, and objectives of the Community Plan:

### **LAND USE**

#### **Goal**

*A well-planned community that preserves the region's small town ambiance and rural character, coastal scenic vistas, and extensive agricultural land use, and accommodates the future needs of residents at a sustainable rate of growth and in harmony with the region's natural environment, marine resources, and traditional uses of the shoreline and mauka lands.*

#### **Objectives and Policies**

- *Define urban and rural growth limits and densities for the region by determining the needed space to accommodate projected growth, designating the required land using the land use map, and supporting needed development in these areas.*

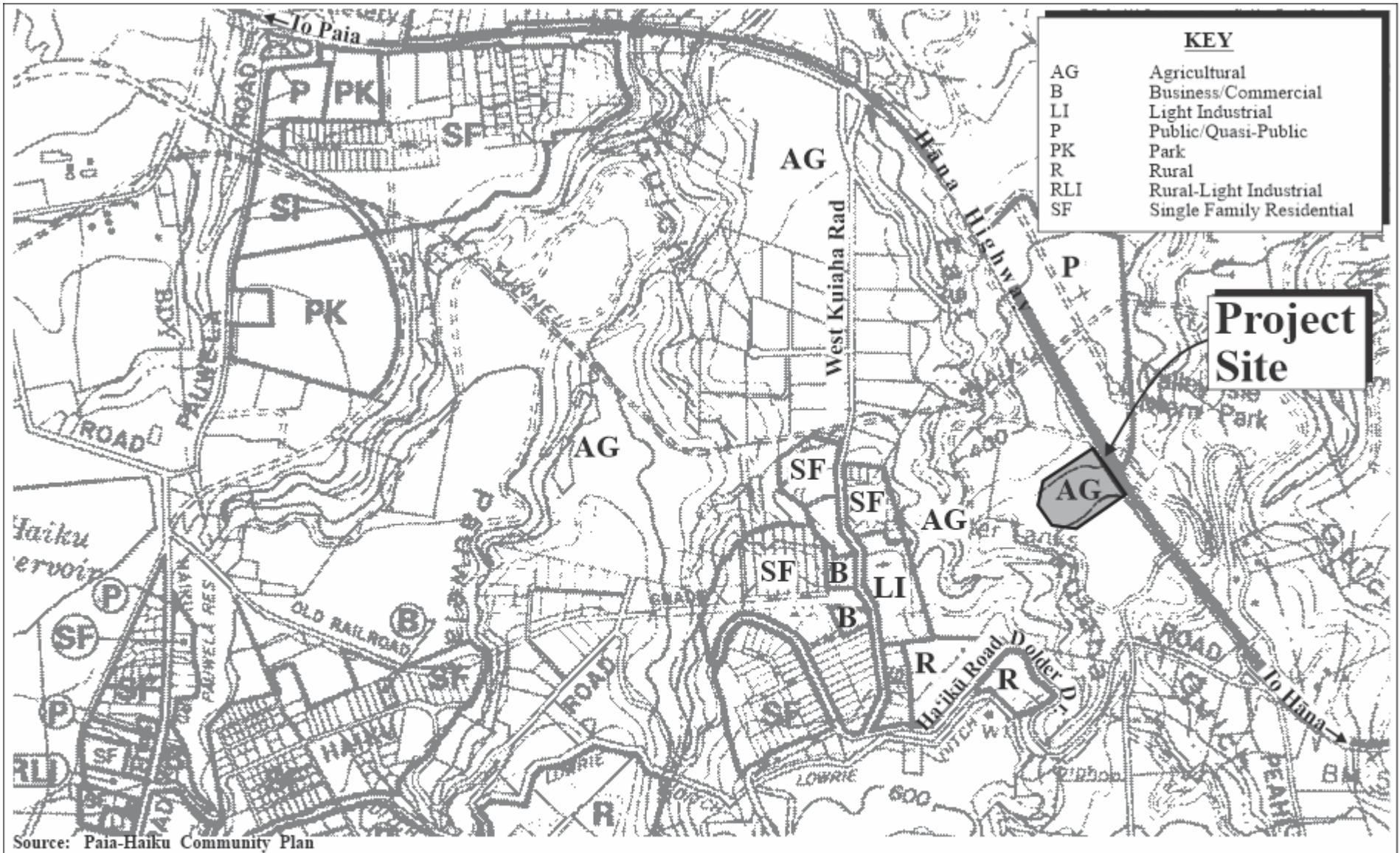


Figure 11

Proposed Ha'ikū Fire Station  
and Related Improvements  
Community Plan Land Use Designations

NOT TO SCALE



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AHL/Haiku Fire Stn Update/Applications/Figures/CPLUD

- *For the outlying areas such as Ha`iku with existing Urban or Rural Land Use classifications, consideration for expansion of the State Land Use District Boundary should be made on a case by case basis for limited residential development in accordance with the following criteria:*
  - a. *That the proposed change is contiguous with the Urban or Rural District and compatible with the existing character of the surrounding area;*
  - b. *That adequate public services and facilities are available or can be provided at reasonable cost to the petitioner; and*
  - c. *That the proposed land use amendment shall have no significant adverse effects upon agricultural, natural, environmental, recreational, scenic, historic, or other resources of the area.*

**Response:** The proposed project accommodates the needs of the residents by providing them with improved fire protection and response services. The subject property is designated as Agriculture in the Pa`ia-Ha`iku Community Plan. The proposed project is not a supported use within this designation. However, the proposed project conforms to the MIP, updated by the community after the Pa`ia-Ha`iku Community Plan's most recent update. During the development of the MIP, the community included the subject property within the region's Rural Growth Boundary. This indicates that when the Pa`ia-Ha`iku Community Plan is updated, the community would likely carry the same sentiment, considering this parcel is ideally suited for rural-type land uses, like Public/Quasi-Public. Based on the analysis described in this EA document, the proposed project is not anticipated to have significant adverse impacts on the area. In fact, it is expected to provide significant beneficial impacts to the area.

## **ENVIRONMENT**

### **Goal**

*The preservation and protection of the natural environment, marine resources and scenic vistas to maintain the rural and natural ambiance and character of the region.*

### **Objectives and Policies**

- *Promote greater awareness and opportunities for recycling and sound conservation practices.*

**Response:** The proposed project will provide public fire protection services to the area, supporting the goal to preserve and protect the environment.



## **CULTURAL RESOURCES**

### **Goal**

*Identification, protection, preservation, enhancement and appropriate use of cultural resources, cultural practices and historic sites that provide a sense of history and define a sense of place for the Pa`ia-Ha`ikū region.*

### **Objective and Policy**

- *Prevent the desecration of ancient and historic burial sites.*

**Response:** The DF&PS conducted an AIS, which set out to identify and preserve all cultural resources found within the project site. It concluded that no further archaeological work or monitoring would be necessary during the construction and operation of the proposed fire station on the project site. The project will adhere to all recommendations listed in the AIS report, which was accepted by SHPD on November 12, 2010.

## **TOWN DESIGN**

### **Goal**

*Attractive rural town development in keeping with the existing scale, form and character of settlement areas in the region.*

### **Objectives and Policies**

- *Incorporate design standards, including, but not limited to, lighting, building and roadway design, appropriate for rural communities. In Agricultural and Rural Districts, excessive roadway standards and street lighting requirements should be discouraged.*
- *Limit building heights to two (2) stories or thirty (30) feet above grade throughout the region, with any exceptions being subject to design review by the County.*
- *Follow the established design standards for the commercial use areas of Pa`ia Town and Ha`iku based on the following guidelines:*
  - a. *Visually maintain and enhance the low-density town character.*
  - b. *Require that future development be compatible with the desired scale and rural character.*
  - c. *Maintain the ambiance of Pa`ia and Ha`iku Towns.*

*Design improvements should be undertaken in a coordinated and ongoing fashion so as to ensure compatibility of future development projects with the desired character. Road improvements for drainage, lighting, and safety should be coordinated with the maintenance of the existing rural, informal streetscape which exemplifies the character of Pa`ia and Ha`iku Towns. For example, urban*

*roadway standards which require excessive street widths detract from a rural character and should be discouraged.*

- *Use “native plants” for landscape planting in all public projects to the extent practicable.*
- *Ensure that all future subdivisions, construction projects, and developments comply with the Maui County Planting Plan.*

**Response:** Though the proposed project is not located within Ha‘ikū town, its design is informed by the local history and character of the area and the traditional design elements commonly used there. The project will not exceed thirty (30) feet above grade. The project will conform to the Maui County Planting Plan, utilizing native plants as much as practicable.

## **PHYSICAL INFRASTRUCTURE**

### **Energy**

#### **Goal**

*Greater self-sufficiency in the need for non-renewable energy and more efficiency in use of energy resources.*

#### **Objectives and Policies**

- *Promote energy efficiency as the energy resource of first choice and increase the energy efficiency in all sectors of the community.*
- *Promote environmentally and culturally sensitive use of renewable resources such as biomass, solar, wind, and hydroelectric energy in all sectors of the community.*
- *Support energy-efficient building design and site development practices.*
- *Promote energy conservation and awareness programs.*

**Response:** The proposed project incorporates natural lighting sources like windows and solar tubes, reducing the energy used to power lighting. The project will provide for the future installation of photovoltaic (PV) panels on the roof.

## **SOCIAL INFRASTRUCTURE**

### **Health and Public Safety**

#### **Goal**

*A sense of security for all residents and visitors, and aid in the protection of life and property.*

### **Objective and Policy**

- *Improve fire protection capabilities in the Ha`iku area and ensure adequate water pressure for fire protection, particularly in urban and rural areas.*

**Response:** The proposed project accommodates the needs of the residents by providing them with better fire protection and response services than they have now. The proposed project will directly provide residents and visitors in the Ha`ikū area with better protection of life and property. The project will directly improve fire protection capabilities in the Ha`ikū area. The Ha`ikū Fire Station will provide a water storage tank for the fire protection of the station.

### **GOVERNMENT**

#### **Goal**

*Government that demonstrates the highest standards of fairness and is responsive to the needs of the community, fiscally responsible and prudent, effective in planning and implementing programs to accommodate anticipated growth, fair and equitable in taxation, strict in the implementation of the Community Plan, and managed efficiently to provide coordinated and timely responses and the delivery of necessary services and programs to the public.*

#### **Objectives and Policies**

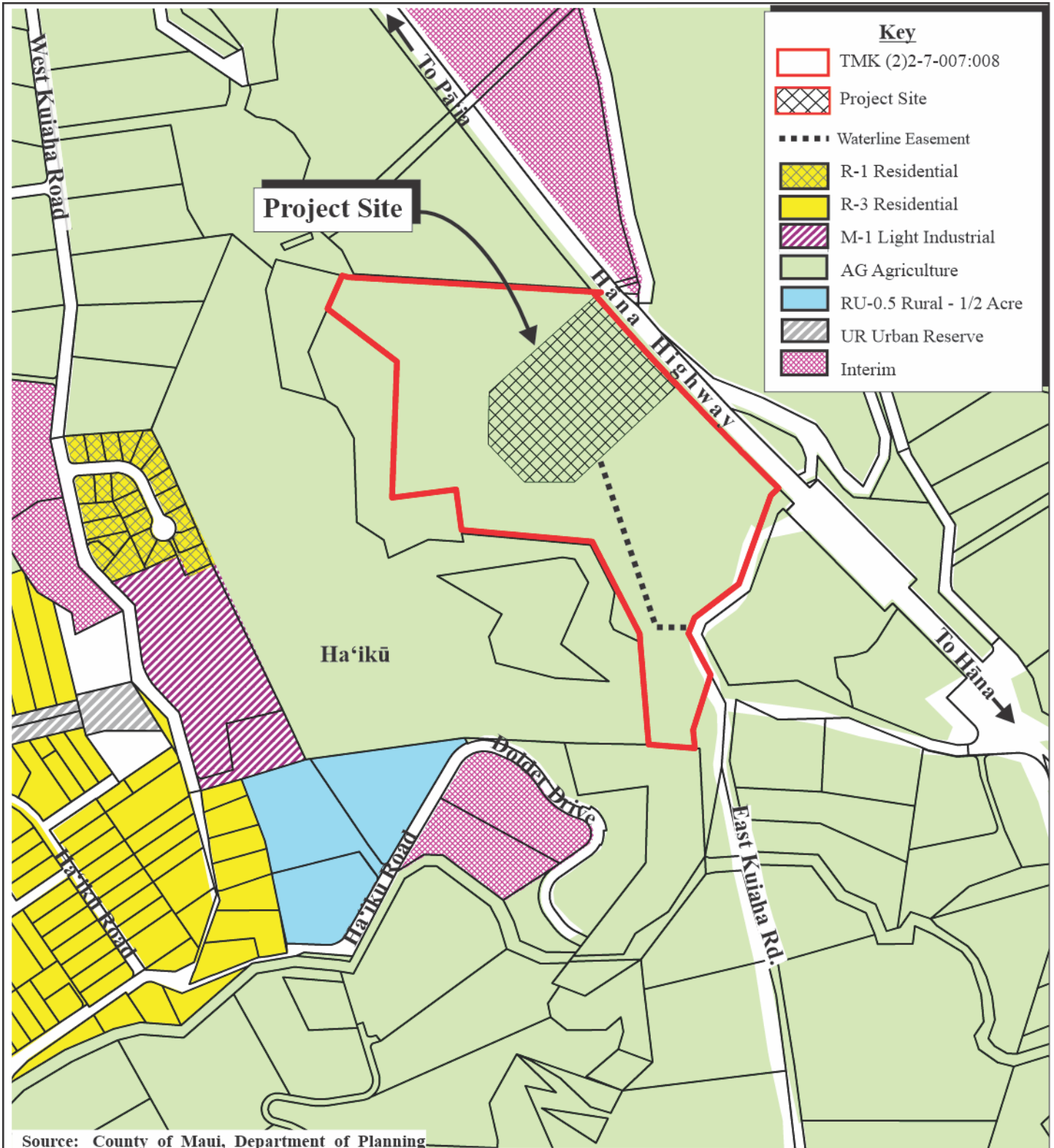
- *Coordinate, direct and manage future development, and provide for necessary public services and infrastructure in a more effective and timely fashion.*
- *Require that actions taken by public officials, boards or commissions of the County of Maui be in compliance with the goals, objectives and policies of the Community Plan.*

**Response:** The proposed project accommodates the needs of the residents by providing them with improved fire protection and response services. Fire protection is a necessary service to the public. The Ha`ikū Fire Station would provide more immediate service than the Ha`ikū community currently experiences.

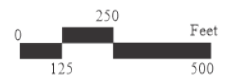
## **G. ZONING**

The subject parcel is located within the Maui County Zoning Code “Agricultural” district. See **Figure 12**. A Planning Director-initiated County-initiated ZPA application requesting a Change of Zoning (COZ) will be processed for the proposed project to redesignate the 6.1-acre project site as “P-1, Public/Quasi-Public” to be consistent with the fire station use.

The County Council amended Chapter 19.31, MCC, for permitted uses in the Public/Quasi-Public zoning district, effective June 26, 2013 (Ordinance No. 4048). Public



**Figure 12 Proposed Ha'ikū Fire Station and Related Improvements**  
Maui County Zoning Map



Prepared for: County of Maui, Dept. of Fire and Public Safety



AHL/Haiku Fire Stn Update/Applications/Figures/Zoning

facilities, such as “fire and police stations” and “accessory uses/structures” are allowable uses within the County of Maui’s “P-1 and P-2, Public/Quasi-Public” zoning districts. A “public facility or public use” is defined by Section 19.04.040, MCC, as “a use conducted by, or a facility or structure owned or managed by, the government of the United States, the State of Hawai‘i, or the County of Maui, which provides a governmental function, activity, or service for public benefit”. Given that the Ha‘ikū Fire Station will be owned and operated by the County of Maui as a public facility for the provision of service to the general public, particularly those residents living within the Ha‘ikū region who would benefit from quicker emergency response times and lower insurance rates, the proposed project would be an allowable use within the County’s “Public/Quasi-Public” zoning district.

Pursuant to MCC, Section 19.30A.020 District criteria, agricultural lands that meet two (2) of three (3) criteria should be given the highest priority for retention in the Agricultural district. The subject property meets the following two (2) criteria for retention:

1. Agricultural Lands of Importance to the State of Hawai‘i (ALISH) designates the property as “Prime” agricultural lands; and
2. Lands which have seventy-five (75) percent or more of their boundaries contiguous to lands within the Agricultural district.

Although the subject property meets the highest priority for retention in the Agricultural district, it is important to note that based on site selection and feasibility studies conducted by the DF&PS in 2007 and 2021, the subject property was selected as the best site for a new fire station to serve Ha‘ikū and the surrounding areas. See **Appendix “H-1”** and **Appendix “H-2”**. The construction of a new fire station on the subject property will provide a greater public benefit to the community than the retention of vacant agricultural land. The project is compatible with the public/quasi-public development standards as provided in Section 19.31.50, MCC. Given the rural scale of the proposed fire station, a County-initiated ZPA application will be processed requesting a COZ for the project to redesignate the 6.1-acre project site as “P-1, Public/Quasi-Public”, so that the proposed action is a compatible use.

It is noted that the proposed Ha‘ikū Fire Station has been designed to be architecturally compatible with the Pā‘ia-Ha‘ikū Country Town Design Guidelines. Some examples of key design considerations from the Pā‘ia-Ha‘ikū Country Town Design Guidelines are provided below:

**Architectural Compatibility and Regional Sensitivity:**

- The building design will be fit into the context of the surrounding environment while drawing inspiration from the architecture in the Pā‘ia-Ha‘ikū region.

**Building Scale:**

- The new fire station facility will be human scaled to fit into the rural setting of Ha'ikū.

**Roofs:**

- A grey metal standing seam roof with slopes of 3/12 will be incorporated to facilitate sustainable building strategies. Two (2) major roof forms make up the entire facility. The first is a large front gable roof over the apparatus bay. The second is a series of saw tooth roofs over the living quarters.

**Exterior Wall Finishes and Fenestrations:**

- The new fire station will incorporate vertical siding consistent with other structures throughout the Pā'ia-Ha'ikū region. The building color will be green, with multi-paned double hung and awning windows.

**H. COASTAL ZONE MANAGEMENT OBJECTIVES AND POLICIES**

The Hawai'i Coastal Zone Management Program (CZM), as formalized in Chapter 205A, HRS, establishes objectives and policies for the preservation, protection, and restoration of natural resources of Hawai'i's coastal zone. The project site lies outside of the County of Maui's Special Management Area (SMA), the boundary of which follows the makai-side of the right-of-way line of Hāna Highway. See **Figure 13**.

Although a SMA Assessment is not required for the project, this section addresses the project's relationship to applicable coastal zone management considerations, set forth in Chapter 205A, HRS.

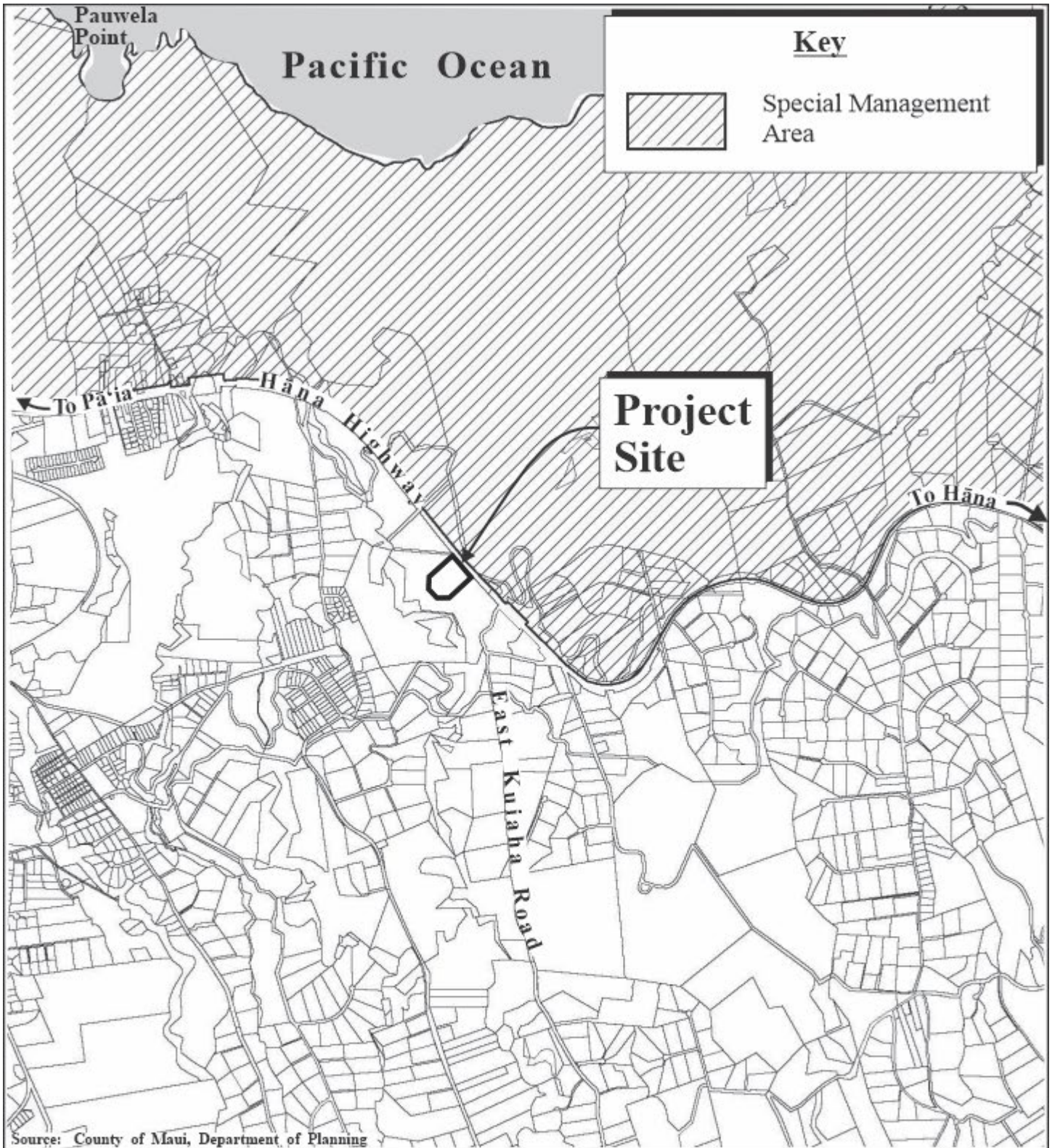
**1. Recreational Resources**

**Objective:**

*Provide coastal recreational opportunities accessible to the public.*

**Policies:**

- (a) *Improve coordination and funding of coastal recreational planning and management; and*
- (b) *Provide adequate, accessible, and diverse recreational opportunities in the coastal zone management area by:*
  - i. *Protecting coastal resources uniquely suited for recreational activities that cannot be provided in other areas;*



**Figure 13** Proposed Ha'ikū Fire Station and Related Improvements  
Special Management Area Map

NOT TO SCALE



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AHL-Haiku Fire Sta Update Applications Figures SMA

- ii. *Requiring replacement of coastal resources having significant recreational value, including but not limited to surfing sites, fishponds, and sand beaches, when such resources will be unavoidably damaged by development; or requiring reasonable monetary compensation to the State for recreation when replacement is not feasible or desirable;*
- iii. *Providing and managing adequate public access, consistent with conservation of natural resources, to and along shorelines with recreational value;*
- iv. *Providing an adequate supply of shoreline parks and other recreational facilities suitable for public recreation;*
- v. *Ensuring public recreational uses of county, state, and federally owned or controlled shoreline lands and waters having recreational value consistent with public safety standards and conservation of natural resources;*
- vi. *Adopting water quality standards and regulating point and nonpoint sources of pollution to protect, and where feasible, restore the recreational value of coastal waters;*
- vii. *Developing new shoreline recreational opportunities, where appropriate, such as artificial lagoons, artificial beaches, and artificial reefs for surfing and fishing; and*
- viii. *Encouraging reasonable dedication of shoreline areas with recreational value for public use as part of discretionary approvals or permits by the land use commission, board of land and natural resources, and county authorities; and crediting that dedication against the requirements of Section 46-6.*

**Response:** The proposed project is not anticipated to result in adverse impacts to existing coastal or inland recreational resources. The project is not anticipated to limit or compromise any existing shoreline recreational activity.

## **2. Historic Resources**

### **Objective:**

*Protect, preserve, and, where desirable, restore those natural and manmade historic and prehistoric resources in the coastal zone management area that are significant in Hawaiian and American history and culture.*

### **Policies:**

- (a) *Identify and analyze significant archeological resources;*



- (b) *Maximize information retention through preservation of remains and artifacts or salvage operations; and*
- (c) *Support state goals for protection, restoration, interpretation, and display of historic resources.*

**Response:** The proposed project is not anticipated to have an adverse effect on historic or cultural resources. This finding is based upon the conclusions of the AIS that was completed for the proposed project. Refer to **Appendix “C-1”**. The AIS was accepted by the SHPD on November 12, 2010. Refer to **Appendix “C-2”**.

Should any cultural or historical materials be uncovered during construction-related activities, work will be halted in the area of the find and SHPD will be notified to determine appropriate mitigation measures.

### 3. **Scenic and Open Space Resources**

**Objective:**

*Protect, preserve, and, where desirable, restore or improve the quality of coastal scenic and open space resources.*

**Policies:**

- (a) *Identify valued scenic resources in the coastal zone management area;*
- (b) *Ensure that new developments are compatible with their visual environment by designing and locating such developments to minimize the alteration of natural landforms and existing public views to and along the shoreline;*
- (c) *Preserve, maintain, and, where desirable, improve and restore shoreline open space and scenic resources; and*
- (d) *Encourage those developments that are not coastal dependent to locate in inland areas.*

**Response:** The project site is currently being utilized as vacant land and is not deemed a scenic resource. The site is also located away from the shoreline and is not part of a scenic view corridor to the shoreline. No substantive adverse impacts to scenic or open space resources are anticipated to result from implementation of the proposed action.

#### 4. **Coastal Ecosystems**

##### **Objective:**

*Protect valuable coastal ecosystems, including reefs, beaches, and coastal dunes, from disruption and minimize adverse impacts on all coastal ecosystems.*

##### **Policies:**

- (a) *Exercise an overall conservation ethic, and practice stewardship in the protection, use, and development of marine and coastal resources;*
- (b) *Improve the technical basis for natural resource management;*
- (c) *Preserve valuable coastal ecosystems of significant biological or economic importance, including reefs, beaches, and dunes;*
- (d) *Minimize disruption or degradation of coastal water ecosystems by effective regulation of stream diversions, channelization, and similar land and water uses, recognizing competing water needs; and*
- (e) *Promote water quantity and quality planning and management practices that reflect the tolerance of fresh water and marine ecosystems and maintain and enhance water quality through the development and implementation of point and nonpoint source water pollution control measures.*

**Response:** The proposed project is not anticipated to result in significant, adverse impacts to coastal ecosystems. Best Management Practices (BMPs) and appropriate drainage design will mitigate potential impacts to the coastal environment.

#### 5. **Economic Uses**

##### **Objective:**

*Provide public or private facilities and improvements important to the State's economy in suitable locations.*

##### **Policies:**

- (a) *Concentrate coastal dependent development in appropriate areas;*
- (b) *Ensure that coastal dependent development and coastal related development are located, designed, and constructed to minimize exposure to coastal hazards and adverse social, visual, and environmental impacts in the coastal zone management area; and*

- (c) *Direct the location and expansion of coastal development to areas designated and used for that development and permit reasonable long-term growth at those areas, and permit coastal development outside of designated areas when:*
- i. *Use of designated locations is not feasible;*
  - ii. *Adverse environmental effects and risks from coastal hazards are minimized; and*
  - iii. *The development is important to the State's economy.*

**Response:** The proposed project is not a coastal development. The project will provide short-term economic benefits during the construction-phase, as well as fire protection benefits to area residents during the operational phase.

## 6. **Coastal Hazards**

### **Objective:**

*Reduce hazard to life and property from coastal hazards.*

### **Policies:**

- (a) *Develop and communicate adequate information about the risks of coastal hazards;*
- (b) *Control development, including planning and zoning control, in areas subject to coastal hazards;*
- (c) *Ensure that developments comply with requirements of the National Flood Insurance Program; and*
- (d) *Prevent coastal flooding from inland projects.*

**Response:** The subject property is not located in a tsunami zone. It is located in Flood Zone X, an area of minimal flooding action and without developmental restrictions. No significant adverse impacts resulting from storm water drainage to adjoining or downstream properties are anticipated.

## 7. **Managing Development**

### **Objective:**

*Improve the development review process, communication, and public participation in the management of coastal resources and hazards.*

**Policies:**

- (a) *Use, implement, and enforce existing law effectively to the maximum extent possible in managing present and future coastal zone development;*
- (b) *Facilitate timely processing of applications for development permits and resolve overlapping of conflicting permit requirements; and*
- (c) *Communicate the potential short and long-term impacts of proposed significant coastal developments early in their life cycle and in terms understandable to the public to facilitate public participation in the planning and review process.*

**Response:** Opportunities for public involvement have been and will continue to be provided as part of the EA review process. Future opportunities for input will be presented during the County-initiated land use entitlement change (DBA/CPA/COZ) processes.

**8. Public Participation**

**Objective:**

*Stimulate public awareness, education, and participation in coastal management.*

**Policies:**

- (a) *Promote public involvement in coastal zone management processes;*
- (b) *Disseminate information on coastal management issues by means of educational materials, published reports, staff contact, and public workshops for persons and organizations concerned with coastal issues, developments, and government activities; and*
- (c) *Organize workshops, policy dialogues, and site-specific mediations to respond to coastal issues and conflicts.*

**Response:** Public awareness and participation have been facilitated through the Chapter 343, HRS EA process. During the course of site acquisition and project planning, DF&PS assessed potential alternative sites and selected the subject property as the preferred location for the proposed Ha'ikū Fire Station. See **Appendix "H-1"** and **Appendix "H-2"**. The County's land use entitlement review process will also provide for additional public input and participation opportunities, as discussed previously.

**9. Beach and Coastal Dune Protection**

**Objective:**

- (a) *Protect beaches and coastal dunes for:
  - (i) *Public use and recreation;*
  - (ii) *The benefit of coastal ecosystems; and*
  - (iii) *Use as natural buffers against coastal hazards; and**
- (b) *Coordinate and fund beach management and protection.*

**Policies:**

- (a) *Locate new structures inland from the shoreline setback to conserve open space, minimize interference with natural shoreline processes, and minimize loss of improvements due to erosion;*
- (b) *Prohibit construction of private shoreline hardening structures, including seawalls and revetments, at sites having sand beaches and at sites where shoreline hardening structures interfere with existing recreational and waterline activities;*
- (c) *Minimize the construction of public shoreline hardening structures, including seawalls and revetments, at sites having sand beaches and at sites where shoreline hardening structures interfere with existing recreational and waterline activities;*
- (d) *Minimize grading of and damage to coastal dunes;*
- (e) *Prohibit private property owners from creating a public nuisance by inducing or cultivating the private property owner's vegetation in a beach transit corridor; and*
- (f) *Prohibit private property owners from creating a public nuisance by allowing the private property owner's unmaintained vegetation to interfere or encroach upon a beach transit corridor.*

**Response:** The proposed project is located well beyond the vicinity of the shoreline area and will not impact natural beach processes.

**10. Marine and Coastal Resources**

**Objective:**

*Promote the protection, use, and development of marine and coastal resources to assure their sustainability.*

**Policies:**

- (a) *Ensure that the use and development of marine and coastal resources are ecologically and environmentally sound and economically beneficial;*
- (b) *Coordinate the management of marine and coastal resources and activities to improve effectiveness and efficiency;*
- (c) *Assert and articulate the interests of the State as a partner with federal agencies in the sound management of ocean resources within the United States exclusive economic zone;*
- (d) *Promote research, study, and understanding of ocean and coastal processes, impacts of climate change and sea level rise, marine life, and other ocean resources to acquire and inventory information necessary to understand how ocean development activities relate to and impact ocean and coastal resources; and*
- (e) *Encourage research and development of new, innovative technologies for exploring, using, or protecting marine and coastal resources.*

**Response:** The project is not located in the vicinity of the shoreline. The use of appropriate BMPs and the proposed drainage system will mitigate any potential impacts to marine resources.

In addition to the foregoing objectives and policies, HRS, Section 205A-30.5, Prohibitions, provides specifications for the limitation of lighting in coastal shoreline areas in relation to the granting of SMA permits:

- (a) *No special management area use permit or special management area minor permit shall be granted for structures that allow artificial light from floodlights, uplights, or spotlights used for decorative or aesthetic purposes when the light:*
  - (1) *Directly illuminates the shoreline and ocean waters; or*
  - (2) *Is directed to travel across property boundaries toward the shoreline and ocean waters.*
- (b) *Subsection (a) shall not apply to special management area use permits for structures with:*
  - (1) *An outdoor lighting fixture that is located on the grounds of a hotel, hotel-condominium, or condominium-hotel as defined in section 486K-1; provided that:*
    - (A) *The outdoor lighting fixture is located underwater or is directed downward and illuminates a limited area of no more than thirty feet into the shoreline and ocean waters; or*

- (B) *The outdoor lighting fixture is the only practicable means of ensuring the safety and security of guests, visitors, and employees; and*
- (2) *Artificial lighting provided by a government agency or its authorized users for government operations, security, public safety, or navigational needs; provided that a government agency or its authorized users shall make reasonable efforts to properly position or shield lights to minimize adverse impacts.*
- (c) *The authority shall adopt rules under chapter 91 setting forth procedures for implementing this section.*

**Response:** The proposed project is located in the Ha'ikū-Pauwela area, over a mile from the shoreline. No impacts on the shoreline or ocean waters will occur with the implementation of the project and its related improvements. The project will comply with applicable requirements of the County's Outdoor Lighting Ordinance.



**SUMMARY OF  
UNAVOIDABLE IMPACTS  
ON THE ENVIRONMENT  
AND RESOURCES**

**IV**





## **IV. SUMMARY OF UNAVOIDABLE IMPACTS ON THE ENVIRONMENT AND RESOURCES**

The construction of the project may result in certain unavoidable impacts, including noise and air quality impacts associated with the operation of construction equipment. Air quality may also be temporarily impacted by dust generated by site work. Any construction-related impacts will be temporary and mitigated through the implementation of appropriate BMPs. In addition, operation of the fire station may result in minor and brief impacts to ambient noise levels in the immediate vicinity.

The development of the proposed project will involve the commitment of vacant and undeveloped lands. In addition, the proposed action would involve a commitment of fuel, labor, funding, and material resources. However, the commitment of resources necessary to implement the proposed project is considered justified, given the eventual emergency response benefits to be realized through the completion of the new fire station.

In the long-term, the construction of the new fire station is not anticipated to create any significant, long-term adverse environmental effects.



**ALTERNATIVES TO THE  
PROPOSED ACTION**

**V**



## V. ALTERNATIVES TO THE PROPOSED ACTION

### A. PREFERRED ALTERNATIVE

The proposed project involves the development of a fire station in the Ha'ikū area at a location that has been deemed to be suitable based on the operational requirements of the DF&PS and an assessment of potential alternative sites. The new Ha'ikū Fire Station involves the construction of a new 10,360 square foot fire station, an estimated 40,000 gallon water storage tank for fire fighting purposes, an approximately 1,600 square foot storage building, a parking lot, an access driveway off of Hāna Highway and related water, wastewater, and electrical improvements on a 6.1-acre portion of a parcel of land owned by the County of Maui and within the County right-of-way (ROW) along East Kuiaha Road. Currently, residents living in the area are not assured adequate fire protection, as the nearest fire station, located in Pā'ia, is about six (6) miles away. The new facility would provide much needed fire coverage for the Ha'ikū area and its residents. The station's current proposed location (in the lower elevations of the property) also conforms to the preferences of the Ha'ikū residents expressed during the site selection process for the project. As the population in this region grows, fire protection in turn will need to expand. Establishing necessary infrastructure in the region now will ensure that future fire protection needs are provided for as population in the region grows over time. For these reasons, the proposed project has been selected as the preferred alternative, as it meets both the current and future needs of the Ha'ikū region and its residents.

### B. SITE SELECTION ALTERNATIVE

Various alternative potential properties were evaluated during a site selection process that was conducted by the DF&PS prior to the acquisition of the subject property by the County of Maui. As part of this process, the DF&PS held a community meeting at Ha'ikū Elementary School on April 10, 2007. The purpose of this meeting was to (1) inform the community of the need for an additional fire service facility in the Ha'ikū region; (2) provide an overview on the criteria evaluated during the review of potential alternative sites for the project; and (3) receive comments on the preferred site (the subject property) that was being recommended as a result of the site selection analysis. A copy of the PowerPoint presentation delivered at this meeting is presented as **Appendix "H-1"**. Additionally, as discussed in Chapter 1.C of this document, the DEA for the proposed project published in The Environmental Notice on January 8, 2011 generated some community concerns. In response to the feedback generated by the 2011 DEA and prior to moving forward, a Feasibility Study was conducted in 2021 by DF&PS. Three (3) additional properties were identified and compared against the originally considered site to determine if there are considerations in location, permitting or design that would warrant relocating the proposed fire station. The analysis concluded that the originally considered site offers substantial advantages over the other potential site alternatives in that it is already owned by the

County of Maui, requires the fewest entitlements (given its location within a Rural Growth Boundary), has architectural and engineering plans that are already tailored to the specific property, and is located near the Ha'ikū community's historic incident locations. All of the other properties have similar infrastructure constraints, such as the need for offsite waterline upgrades and potential for roadway improvements, and no significant advantages to overcome the investments already made at the originally considered site. Refer to **Appendix "H-2"**.

The DF&PS has chosen to proceed with the development of the proposed fire station on the originally (preferred) selected site on a portion of the property situated at a lower elevation. While there are distinct operational advantages associated with locating a fire station at the highest possible elevation on a piece of property, the DF&PS feels that it is important, in this particular instance, to minimize the extent to which the facility can be observed from surrounding residential areas.

### **C. PROJECT DESIGN ALTERNATIVES**

The DF&PS has placed high priority on the need to design a fire station that is appropriate given the agricultural and rural identity of the surrounding Ha'ikū areas. A central component of this effort has been to incorporate design features, where feasible, that reflect the various architectural and land use objectives set forth in both the Pā'ia-Ha'iku Country Town Design Guidelines and the Pa'ia-Ha'iku Community Plan. These planning documents are intended to guide future development in the area to ensure that new projects fit in and are consistent with the history and overall unique characteristics of the community. For example, in evaluating alternative roof designs for the proposed facility, the DF&PS decided that a "saw-tooth" roof design would allow the fire station to take on a more human scale and blend in more appropriately with Ha'ikū's rural surroundings. This type of roof design is a characteristic design element reminiscent of when the region was used by plantations for large-scale agricultural crop cultivation, such as pineapples. Ha'ikū Cannery and the Kahului Cannery represent good examples of prominent buildings that incorporated these kinds of roof designs when they were first developed back in the plantations days. The preferred alternative represents a culmination of this multi-pronged design review process.

### **D. WATER INFRASTRUCTURE ALTERNATIVES**

Extensive consultation with the Department of Water Supply has been undertaken as part of the EA preparation process and overall project planning. As a result of this dialogue, it was determined that the existing system infrastructure in the vicinity of the project site is not adequate to fully cater to the estimated drinking and fire flow requirements of the proposed fire station. As such, the existing system would need to be upgraded to bring water from the Kaupakalua storage tank to the new Ha'ikū Fire Station. This alternative consists of constructing 4,200 linear feet of 8-inch waterline starting from the intersection

of Ha'ikū Road and West Kuiaha Road and running along Ha'ikū Road to its intersection with East Kuiaha Road near the existing water meter on the project site. Where Ha'ikū Road crosses Kuiaha Gulch, the proposed waterline would be above-ground and supported on a beam parallel to the existing bridge. This existing bridge span is approximately 35 feet. The beam would not touch the existing bridge and would have foundation supports on either side of the gulch. This method of waterline crossing would eliminate the need for work to be undertaken within the gulch.

When the 2011 DEA was published, the offsite waterline alternative was determined to be the most practicable solution available given other potential engineering solutions (such as drilling new groundwater wells) and the importance of securing a timely and reliable source of water supply to service the unique needs of a fire station. Due to the cost of the alternative, however, it has since been determined by the Department of Water Supply that an onsite water storage tank dedicated to the firefighting needs of this facility, in the event of a fire at the fire station, could instead be constructed. This alternative allowed for the scope of the proposed offsite water improvements to be significantly reduced. Instead, in consultation with DWS, DF&PS has also agreed to install 300 feet of 8-inch water main along East Kuiaha Road between the project's water meters and the East Kuiaha Road-Ha'ikū Road intersection.

## **E. ORIGINAL PROJECT SCOPE ALTERNATIVE**

The original scope of the Ha'ikū Fire Station that was evaluated in the 2011 DEA involved the development of administrative, vehicle storage, and utility buildings. The main single-story administrative building (approximately 10,360 square feet, including covered exterior walkways), includes offices, dormitories, a work-out area, dining and kitchen facilities, and other support functions necessary for the estimated 15 personnel that will be assigned to the station. Various other related improvements proposed as part of the original project included site grading and grubbing, landscaping, the installation of utilities, and the construction of an access driveway off of Hāna Highway and associated site-related roadway improvements.

An emergency helipad was also proposed as part of the original plan for the project. The helipad was located on the southwestern side of the fire station building. In addition, an ecological wastewater treatment system was also proposed to treat wastewater from the new fire station to a R-3 standard, consisting of a primary settling tank (septic tank), a lined vegetated area for secondary treatment, a pump station, and a subsurface drip irrigation disposal system. The ecological wastewater treatment system would have allowed the reuse of treated effluent for the irrigation of landscaping within the property, thereby reducing potable water consumption for the proposed project. Two (2) wind turbines, each rated to produce four (4) kilowatts (kw) of power, were also proposed to offset the fire station's energy consumption using a viable source of renewable energy. The overall height of each vertical axis wind turbine would have been no more than 35

feet, with approximately 15 feet of separation between the existing grade and the bottom of the turbine assembly. Also proposed was the construction of 4,200 linear feet of an 8-inch waterline starting from the intersection of Ha'ikū Road and West Kuiaha Road and running along Ha'ikū Road to its intersection with East Kuiaha Road near the existing water meter on the project site. The original proposal also called for a subdivision of the 6.1-acre project site from the larger 27.9 acre parcel. The subdivision action also triggered road widening improvements along East Ha'ikū Road.

For various reasons, DF&PS decided not to move forward with the originally proposed project following publication of the Draft EA in 2011. Further community consultation and an alternative site analysis study resulted in DF&PS electing to make the following project modifications:

- Elimination of previous proposal to subdivide the lot from the larger parcel, eliminating the need for road widening improvements along East Ha'ikū Road.
- Elimination of a 4,200-foot offsite waterline and incorporation of an estimated 40,000-gallon water tank onsite for fire fighting purposes.
- Deletion of helicopter landing pad
- Deletion of grassed pavement and concrete curb
- Deletion of wind turbine
- Deletion of wastewater treatment facility, lift station, wetland area, and disposal field
- Deletion of solar hot water system and provision for future installation of PV panels on roof
- Revision of all skylights to solar tubes
- Provision of a new approximately 1,600 square foot apparatus storage structure.
- Installation of 300 feet of 8-inch water main along East Kuiaha Road

## **F. NO ACTION ALTERNATIVE**

The “no action” alternative would see the Ha'ikū area to remain without adequate fire coverage and would also see the existing site location remain as vacant land. The “no action” alternative would not meet the present and future needs of Ha'ikū residents in providing adequate fire protection. The existing facilities of the Pā'ia Fire Station are located too far away to swiftly respond to emergency calls in much of the Ha'ikū area. The

“no action” alternative would, therefore, not meet the objective of providing residents of the Ha‘ikū area with adequate fire protection services.

**G. DEFERRED ACTION ALTERNATIVE**

A “deferred action” alternative would have similar consequences to the “no action” alternative in terms of leaving the residents of the Ha‘ikū area without adequate fire protection. This alternative could also result in higher development costs due to increases in labor and material costs over time.



**IRREVERSIBLE AND  
IRRETRIEVABLE  
COMMITMENTS OF  
RESOURCES**

**VI**





## **VI. IRREVERSIBLE AND IRRETRIEVABLE COMMITMENTS OF RESOURCES**

The proposed Ha'ikū Fire Station project and related improvements are anticipated to result in the irreversible and irretrievable commitment of land and fiscal resources. Other resource commitments include energy, labor, and material resources. Impacts relating to the use of these resources should be minimal, especially when weighed against the expected positive socio-economic benefits to be derived from the project, versus the consequences of taking no action.

In addition, the proposed project is not anticipated to require a substantial commitment of government services or facilities, nor is it anticipated to place additional demands on other services such as police, medical, and social care.



**SIGNIFICANCE CRITERIA  
ASSESSMENT**

**VII**



## VII. SIGNIFICANCE CRITERIA ASSESSMENT

The significance criteria of Section 12, of the Hawai'i Administrative Rules (HAR), Title 11, Chapter 200, "Environmental Impact Statement Rules", were reviewed and analyzed to determine whether the proposed project will have a significant adverse impact to the environment. The Draft EA for this project was submitted prior to the repeal of HAR, Chapter 200 and adoption of HAR, Chapter 200.1, and therefore is being reviewed under the HAR, Chapter 200 significance criteria. The following analysis is provided:

1. **No Irrevocable Commitment to Loss or Destruction of any Natural or Cultural Resources Would Occur as a Result of the Project**

The project site is currently vacant. There are no known rare, threatened, or endangered species of flora, fauna, avifauna, or important habitats located within the project site. Refer to **Appendix "B"**. No significant natural or cultural resources have been identified on the subject property. Refer to **Appendix "C-1"** and **Appendix "C-2"**. Should there be unanticipated finds of culturally significant material during project construction, SHPD will be notified and appropriate mitigative measures implemented in accordance with SHPD program requirements.

2. **The Proposed Action Would Not Curtail the Range of Beneficial Uses of the Environment**

The proposed action is not anticipated to result in adverse environmental impacts. There will be no consequent curtailment of uses of the environment resulting from the proposed action.

3. **The Proposed Action Does Not Conflict with the State's Long-Term Environmental Policies or Goals or Guidelines as Expressed in Chapter 344, Hawai'i Revised Statutes**

The State's Environmental Policy and Guidelines are set forth in Chapter 344, HRS. The proposed action is in consonance with the policies and guidelines of Chapter 344, HRS. The loss of approximately 6.1 acres of agricultural lands is not deemed significant when compared to the public safety needs addressed by the new fire station.

4. **The Economic or Social Welfare of the Community or State Would Not Be Substantially Affected**

The proposed action would provide a direct, short-term economic benefit to the community during its construction phase and enhanced fire protection services to area residents during its operational phase. The implementation of the project will result in lower insurance premiums for surrounding landowners served by the new fire station. There are

no adverse long-term economic or social welfare impacts associated with the proposed action.

**5. The Proposed Action Does Not Affect Public Health**

The proposed action would have a direct, positive impact to public health, as the DF&PS will be able to fulfill its goals more capably both in emergency protection and educational outreach. No adverse impacts to public health are anticipated to result from the proposed action.

**6. No Substantial Secondary Impacts, Such as Population Changes or Effects on Public Facilities are Anticipated**

The proposed action is not deemed a population generator. There are also no anticipated adverse effects upon public services, such as police, medical, educational, or waste collection services. Beneficial impacts to fire protection services are anticipated to result from the new fire station.

**7. No Substantial Degradation of Environmental Quality is Anticipated**

During project implementation, appropriate measures such as BMPs, will be utilized to mitigate potential adverse environmental impacts. The proposed action will have no substantial adverse impact to environmental quality.

**8. The Proposed Action Does Not Involve a Commitment to Larger Actions, Nor Would Cumulative Impacts Result in Considerable Effects on the Environment**

The proposed action is not part of or linked to any larger action. The proposed project is not anticipated to create any considerable effects upon the environment.

**9. No Rare, Threatened or Endangered Species or Their Habitats Would Be Adversely Affected By the Proposed Action**

There are no identified rare, endangered, or threatened species or habitats within the project vicinity. Thus, no significant adverse impacts are anticipated from the proposed action.

**10. Air Quality, Water Quality or Ambient Noise Levels Would Not Be Detrimentially Affected by the Proposed Project**

During the construction and operation of the new fire station and related improvements, there may be minor and short-term impacts to air and noise quality. Appropriate BMP's will be implemented to minimize short-term impacts. No significant adverse impacts to water quality are anticipated.

11. **The Proposed Project Would Not Affect Environmentally Sensitive Areas, Such as Flood Plains, Tsunami Zones, Erosion-prone Areas, Geologically Hazardous Lands, Estuaries, Fresh Waters or Coastal Waters**

The project site is not located within and would not affect environmentally sensitive areas. The Flood Insurance Rate Map (FIRM) for this region indicates that the project site is located in Zone X, areas of minimal flooding. In addition, the project site is located beyond the reaches of the tsunami inundation zone. The project site is not a shoreline property, nor is it situated near streams, wetland areas, or other areas that would trigger flooding concerns. Soils underlying the project site are not considered to be erosion-prone. There are no geologically hazardous lands, estuaries, or coastal waters within or adjacent to the project site.

The project site is not located in or adjacent to any environmentally sensitive areas. Potential impacts to downstream properties will be mitigated through appropriate BMPs during construction-related activities, as well as drainage improvements.

12. **The Proposed Action Would Not Substantially Affect Scenic Views and Viewplanes Identified in County Plans or Studies**

The subject property is currently vacant land and is not deemed a scenic resource. The project site is not part of a designated scenic corridor, either inland or shoreline related. Therefore, the proposed action is not anticipated to result in substantive, adverse impacts to identified scenic vistas or viewplanes. There are no residences or public view areas in the immediate area that would have viewplanes significantly impacted by the proposed structures.

13. **The Proposed Action Would Not Require Substantial Energy Consumption**

The proposed action will involve the short-term commitment of fuel for equipment, vehicles, and machinery during construction activities. However, this is not anticipated to result in any substantial consumption of energy.

In conclusion, based on the analysis and findings presented in this Updated Draft Environmental Assessment, the DF&PS has issued an Anticipated Finding of No Significant Impact (AFNSI) for the proposed action.



**LIST OF PERMITS AND  
APPROVALS**

**VIII**



## VIII. LIST OF PERMITS AND APPROVALS


The following permits and approvals will be required prior to the implementation of the project.

### **State of Hawai'i**

1. State Land Use Commission District Boundary Amendment (DBA) for 6.1-acre project site to be processed by County of Maui due to project area being less than 15 acres (County-initiated)
2. Construction Permits (Permit to Perform Work Within State Highway)
3. National Pollutant Discharge Elimination System (NPDES) Permit
4. Community Noise Permit, as applicable

### **County of Maui**

1. Community Plan Amendment (CPA) for 6.1-acre project site (County-initiated)
2. County Change of Zoning (COZ) for 6.1-acre project site (County-initiated)
3. Construction Permits (Grubbing, Grading and Permit to Perform Work on County Highway)



**PARTIES CONSULTED DURING  
THE PREPARATION OF THE  
DRAFT ENVIRONMENTAL  
ASSESSMENT; LETTERS  
RECEIVED AND RESPONSES  
TO SUBSTANTIVE COMMENTS**

**IX**





# IX. PARTIES CONSULTED DURING THE PREPARATION OF THE DRAFT ENVIRONMENTAL ASSESSMENT; LETTERS RECEIVED AND RESPONSES TO SUBSTANTIVE COMMENTS

The following agencies were consulted during preparation of the DEA. Agency comments and responses to substantive comments are included herein.

## FEDERAL

1. Larry Yamamoto, State Conservationist  
**U.S. Department of Agriculture  
Natural Resources Conservation  
Service**  
P.O. Box 50004  
Honolulu, Hawai'i 96850-0001
2. Ranae Ganske-Cerizo, Soil  
Conservationist  
**Natural Resources Conservation  
Service  
U.S. Department of Agriculture**  
77 Hookele Street, Suite 202  
Kahului, Hawai'i 96732
3. George Young  
Chief, Regulatory Branch  
**U.S. Department of the Army**  
U.S. Army Engineer District, Honolulu  
Regulatory Branch  
Building 230  
Fort Shafter, Hawai'i 96858-5440
4. Dave Wesley, Deputy Regional Director  
**U. S. Fish and Wildlife Service**  
Pacific Region  
911 NE 11<sup>th</sup> Avenue  
Portland, Oregon 97232
5. Patrick Leonard  
Field Supervisor  
**U. S. Fish and Wildlife Service**  
300 Ala Moana Blvd., Rm. 3-122  
Box 50088  
Honolulu, Hawai'i 96813

## STATE AGENCIES

6. Russ K. Saito, State Comptroller  
**Department of Accounting and General  
Services**  
1151 Punchbowl Street, #426  
Honolulu, Hawai'i 96813
  7. Sandra Lee Kunimoto, Chair  
**Department of Agriculture**  
1428 South King Street  
Honolulu, Hawai'i 96814-2512
  8. Theodore E. Liu, Director  
State of Hawai'i  
**Department of Business, Economic  
Development & Tourism**  
P.O. Box 2359  
Honolulu, Hawai'i 96804
  9. Patricia Hamamoto, Superintendent  
State of Hawai'i  
**Department of Education**  
P.O. Box 2360  
Honolulu, Hawai'i 96804
  10. Heidi Meeker  
Planning Division  
Office of Business Services  
**Department of Education**  
c/o Kalani High School  
4680 Kalaniana'ole Highway, #T-B1A  
Honolulu, Hawai'i 96821
- cc: Bruce Anderson, Complex  
Area Superintendent (Central/  
Upcountry Maui)

11. Kaulana Park, Chairman  
**Department of Hawaiian Home Lands**  
P. O. Box 1879  
Honolulu, Hawai'i 96805
12. Chiyome Fukino, M.D., Director  
State of Hawai'i  
**Department of Health**  
919 Ala Moana Blvd., Room 300  
Honolulu, Hawai'i 96814
13. Alec Wong, P.E., Chief  
**Clean Water Branch**  
State of Hawai'i  
**Department of Health**  
919 Ala Moana Blvd., Room 300  
Honolulu, Hawai'i 96814
14. Patti Kitkowski  
Acting District Environmental Health  
Program Chief  
State of Hawai'i  
**Department of Health**  
54 High Street  
Wailuku, Hawai'i 96793
15. Laura Thielen, Chairperson  
State of Hawai'i  
**Department of Land and Natural  
Resources**  
P. O. Box 621  
Honolulu, Hawai'i 96809
16. Dr. Puaalaokalani Aiu, Administrator  
State of Hawai'i  
**Department of Land and Natural  
Resources**  
**State Historic Preservation Division**  
601 Kamokila Blvd., Room 555  
Kapolei, Hawai'i 96707
17. Brennon Morioka, Director  
State of Hawai'i  
Department of Transportation  
869 Punchbowl Street  
Honolulu, Hawai'i 96813
- cc: Fred Cajjal
18. Major General Robert G.S. Lee, Director  
Hawai'i State Civil Defense  
3949 Diamond Head Road  
Honolulu, Hawai'i 96816-4495
19. Katherine Kealoha, Director  
Office Of Environmental Quality Control  
235 S. Beretania Street, Suite 702  
Honolulu, Hawai'i 9681
20. Clyde Nāmu`o, Administrator  
Office of Hawaiian Affairs  
711 Kapiolani Boulevard, Suite 500  
Honolulu, Hawai'i 96813
21. Abbey Seth Mayer, Director  
State of Hawai'i  
Office of Planning  
P.O. Box 2359  
Honolulu, Hawai'i 96804
22. Dan Davidson, Executive Officer  
State of Hawai'i  
State Land Use Commission  
P.O. Box 2359  
Honolulu, Hawai'i 96804
- COUNTY AGENCIES**
23. Charmaine Tavares, Mayor  
County of Maui  
200 South High Street  
Wailuku, Hawai'i 96793
24. Deidre Tegarden, Director  
County of Maui  
Office of Economic Development  
2200 Main Street, Suite 305  
Wailuku, Hawai'i 96793
25. Gen Iinuma, Administrator  
Maui Civil Defense Agency  
200 South High Street  
Wailuku, Hawai'i 96793
26. Jeffrey A. Murray, Fire Chief  
County of Maui  
**Department of Fire  
and Public Safety**  
200 Dairy Road  
Kahului, Hawai'i 96732
27. Lori Tsuhako, Director  
County of Maui  
**Department of Housing and  
Human Concerns**  
One Main Plaza  
2200 Main Street, Suite 546  
Wailuku, Hawai'i 96793

28. Tamara Horcajo, Director  
County of Maui  
**Department of Parks and Recreation**  
700 Halia Nako Street, Unit 2  
Wailuku, Hawai'i 96793
29. Jeffrey Hunt, Director  
County of Maui  
**Department of Planning**  
250 South High Street  
Wailuku, Hawai'i 96793
30. Gary Yabuta, Chief  
County of Maui  
**Police Department**  
55 Mahalani Street  
Wailuku, Hawai'i 96793
31. Milton Arakawa, Director  
County of Maui  
**Department of Public Works**  
200 South High Street  
Wailuku, Hawai'i 96793
32. Cheryl Okuma, Director  
County of Maui  
**Department of Environmental Management**  
One Main Plaza  
2200 Main Street, Suite 100  
Wailuku, Hawai'i 96793
33. Donald Medeiros, Director  
County of Maui  
**Department of Transportation**  
200 South High Street  
Wailuku, Hawai'i 96793
34. Jeffrey Eng, Director  
County of Maui  
**Department of Water Supply**  
200 South High Street  
Wailuku, Hawai'i 96793
35. Danny Mateo, Council Chair  
**Maui County Council**  
200 South High Street  
Wailuku, Hawai'i 96793
36. Michael J. Molina, Council Vice Chair  
**Maui County Council**  
200 South High Street  
Wailuku, Hawai'i 96793
37. Councilmember Gladys Baisa  
**Maui County Council**  
200 South High Street  
Wailuku, Hawai'i 96793
38. Councilmember Jo Anne Johnson  
**Maui County Council**  
200 South High Street  
Wailuku, Hawai'i 96793
39. Councilmember Sol Kahoolalahala  
**Maui County Council**  
200 South High Street  
Wailuku, Hawai'i 96793
40. Councilmember Bill Medeiros  
**Maui County Council**  
200 South High Street  
Wailuku, Hawai'i 96793
41. Councilmember Wayne Nishiki  
**Maui County Council**  
200 South High Street  
Wailuku, Hawai'i 96793
42. Councilmember Joseph Pontanilla  
**Maui County Council**  
200 South High Street  
Wailuku, Hawai'i 96793
43. Councilmember Mike Victorino  
**Maui County Council**  
200 South High Street  
Wailuku, Hawai'i 96793
44. **Hawaiian Telcom**  
60 South Church Street  
Wailuku, Hawai'i 96793
45. Greg Kauhi, Manager, Customer Operations  
**Maui Electric Company, Ltd.**  
P.O. Box 398  
Kahului, Hawai'i 96733
46. **Ha'ikū Community Association**  
P. O. Box 1036  
Ha'ikū, Hawai'i 96708
47. Pa'ia Main Street Association  
c/o Jocelyn Perreira, Executive Director  
Wailuku Main Street Association  
1942 Main Street, Unit 101  
Wailuku, Hawai'i 96793

## United States Department of Agriculture



Natural Resources Conservation Service  
P.O. Box 50004 Rm. 4-118  
Honolulu, HI 96850  
808-541-2600

December 7, 2009

Munekiyo & Hiraga, Inc.  
Mark Alexander Roy, AICP, Project manager  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy,

Thank you for providing the NRCS the opportunity to review the Early Consultation Request for Proposed Haiku Fire Station and Related Improvements at Haiku, Maui. Please find enclosed the NRCS Soil Survey Map, soil reports, and a map indicating areas of Important Farmlands. The Important Farmlands map has been enclosed for your aid in determining if an AD-1006 form, Farmland Impact Conversion Rating Form is needed for this project. Typically, this form is required on projects that convert farmlands into non-farmland uses, and have federal dollars attached to the project. See the website link below for more information on the Farmland Protection Policy Act, and a copy of the AD-1006 form, with instructions. The soil mapping does not identify any hydric soils in this project area. Hydric soils identify potential areas of wetlands. If wetlands do exist, any proposed impacts to these wetlands would need to demonstrate compliance with the "Clean Water Act", and may need an Army Corp of Engineers 404 permit.

The enclosed Soil Survey Map identifies all soil map units in the project area. The soil reports provide selected soil properties and interpretations, i.e. Small Commercial Buildings, soil layers with USDA textures, and engineering classifications. The limitation ratings for the selected uses, i.e. Small Commercial Buildings and Local Roads and Streets are Severe and Very Limited respectively. These ratings do not preclude the intended land use, however they do identify potential limitations for the use, which may require corrective measures, increase costs, and/or require continued maintenance.

The NRCS Soil Survey is a general planning tool and does not eliminate the need for an onsite investigation. If you have any questions concerning the soils or interpretations for this project please call, Tony Rolfes, Assistant State Soil Scientist, (808) 541-2600 x129, or email, [Tony.Rolfes@hi.usda.gov](mailto:Tony.Rolfes@hi.usda.gov).

NRCS - Farmland Protection Policy Act Website: <http://www.nrcs.usda.gov/programs/fppa/>

Sincerely,

A handwritten signature in black ink, appearing to read "Lawrence T. Yamamoto".

LAWRENCE T. YAMAMOTO  
Director, Pacific Islands Area

Cc Michael Robotham, Asst. Director for Soil Science and Natural Resource Assessments

Enclosures: 5 pages

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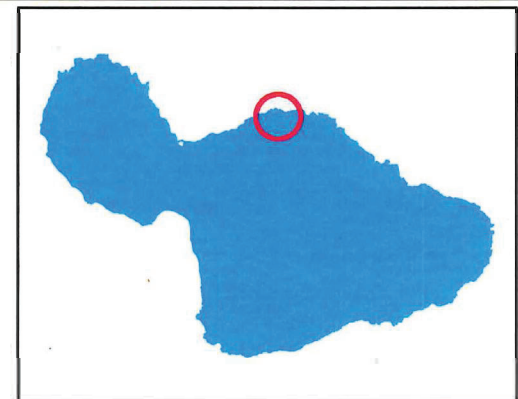
# Proposed Haiku Fire Station Soil Map



NRCS 11/2009

## Legend


-  Approximate Project Area
-  Soil map units



# Proposed Haiku Fire Station Important Farmlands Map



## Legend

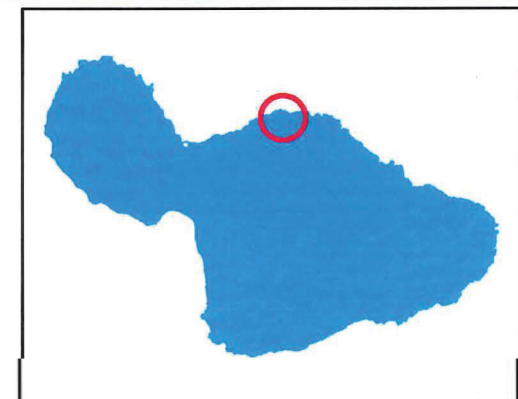
 Approximate Project Area  
Important Farmlands

## AGTYPE

-  0
-  Prime Farmlands
-  Unique Farmlands
-  Local and Statewide important Farmlands



NRCS 11/2009



# Map Unit Legend

Island of Maui, Hawaii

Map symbol	Map unit name
HbC	Haiku clay, 7 to 15 percent slopes

## Engineering Properties

Island of Maui, Hawaii

[Absence of an entry indicates that the data were not estimated. This report shows only the major soils in each map unit]

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percent passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
		<i>In</i>			<i>Pct</i>	<i>Pct</i>					<i>Pct</i>	
HbC: Haiku	0-14	Clay	MH-O (propose d)	A-7	0	0	100	95-100	95-100	95-100	55-75	15-30
	14-66	Clay, silty clay	MH-O (propose d)	A-7	0	0	100	95-100	95-100	95-100	55-75	15-30



## Selected Soil Interpretations

Island of Maui, Hawaii

[The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The table shows only the top five limitations for any given soil. The soil may have additional limitations. This report shows only the major soils in each map unit]

\*This soil interpretation was designed as a "limitation" as opposed to a "potential" or "suitability". The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation.

Map symbol and soil name	Pct. of map unit	ENG - Small Commercial Buildings (HI)*		ENG - Local Roads and Streets*		URB/REC - Lawn, Landscape, Golf Fairway (HI)*	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HbC:							
Haiku	100	Severe Slopes > 8%	1.00	Very limited Low strength Slope	1.00 0.37	Moderate Clay in surface >= 40% Slopes 8 to 15% Surface pH from 3.5 to 5	0.50 0.37 0.04

December 7, 2010

Lawrence Yamamoto, Director, Pacific Islands Area  
**Natural Resources Conservation Service**  
P. O. Box 50004, Room 4-118  
Honolulu, Hawaii 96850

SUBJECT: Proposed Haiku Fire Station and Related Improvements at TMK  
(2)2-7-007:008 (por.), Haiku, Maui

Dear Mr. Yamamoto:

Thank you for your letter dated December 7, 2009, responding to our Chapter 343, Hawaii Revised Statutes (HRS) early consultation request for the subject project. On behalf of the applicant, the County of Maui, Department of Fire and Public Safety, we offer the following information in response to the comments noted in your letter:

**Comment No. 1:**

*Please find enclosed the NRCS Soil Survey Map, soil reports, and a map indicating areas of Important Farmlands.*

**Response:** Thank you for your helpful assistance in providing us with a National Resources Conservation Service (NRCS), Soil Survey Map, soil reports, and a map indicating areas of Important Farmlands. We look forward to your continued support in completion of this project.

**Comment No. 2:**

*The Important Farmlands map has been enclosed for your aid in determining if an AD-1006 form, Farmland Impact Conversion Rating Form is needed for this project. Typically, this form is required on projects that convert farmlands into non-farmland uses, and have federal dollars attached to the project. See the website link below for more information on the Farmland Protection Policy Act, and a copy of the AD-1006 form, with instructions. NRCS - Farmland Protection Policy Act Website: <http://www.nrcs.usda.gov/programs/fppa/>*

**Response:** We acknowledge your recommendation to utilize the Important Farmlands map to determine if an AD-1006 form, Farmland Impact Conversion Rating Form is needed for this project. The applicant notes that should federal funds be used for the project, the necessary form will be submitted to your office.

**Comment No. 3:**

*The soil mapping does not identify any hydric soils in this project area. Hydric soils identify potential areas of wetlands. If wetlands do exist, any proposed impacts to these wetlands would need to demonstrate compliance with the "Clean Water Act", and may need an Army Corp of Engineers 404 permit.*

**Response:** We note your comments regarding potential Section 404, Clean Water Act requirements for the project. The applicant notes that there are no wetlands or potential areas of wetlands within, or adjacent to the project site. Therefore, impacts to wetlands or potential areas of wetlands are not anticipated from the project.

**Comment No. 4:**

*The enclosed Soil Survey Map identifies all soil map units in the project area. The soil reports provide selected soil properties and interpretations, i.e. Small Commercial Buildings, soil layers with USDA textures, and engineering classifications. The limitation ratings for the selected uses, i.e. Small Commercial Buildings and Local Roads and Streets are Severe and Very Limited respectively. These ratings do not preclude the intended land use, however they do identify potential limitations for the use, which may require corrective measures, increase costs, and/or require continued maintenance.*

*The NRCS Soil Survey is a general planning tool and does not eliminate the need for an onsite investigation.*

**Response:** Thank you for providing us with a Soil Survey Map. A map and a description of the soils conditions relating to the project site will be included in the Draft Environmental Assessment (EA).

We appreciate the input provided by your office and will include a copy of your letter in the Draft EA for the project.

Lawrence Yamamoto, Director, Pacific Islands Area  
December 7, 2010  
Page 3

Should you have any questions, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Mark Alexander Roy', with a horizontal line underneath.

Mark Alexander Roy, AICP  
Program Manager

MAR:yp

cc: Lee Mainaga, County of Maui, Department of Fire and Public Safety  
Wendy Taomoto, County of Maui, Department of Management  
Kathleen Aoki, County of Maui, Department of Planning  
Terry McFarland, Architects Hawaii Limited  
Diane Kodama, AECOM Pacific, Inc.

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## United States Department of Agriculture



Natural Resources Conservation Service  
77 Ho'okele Street, Suite 202  
Kahului, HI 96732  
Phone 808-871-5500  
Fax 808-873-6184

---

December 7, 2009

Mr. Mark Alexander Roy  
AICP, Project Manager  
Munekiyo & Hiraga, Inc.  
305 High St., Suite 104  
Wailuku, HI 96793

Subject: Early Consultation Request for Proposed Haiku Fire Station and Related Improvements at TMK (2) 2-7-007: 008 (por.), Haiku, Maui, Hawaii

Dear Mr. Roy:

We have no comments at this time.

Sincerely,

A handwritten signature in black ink, appearing to read "Ranae Ganske-Cerizo".

Ranae Ganske-Cerizo  
District Conservationist

*Helping People Help the Land*

An Equal Opportunity Provider and Employer





**DEPARTMENT OF THE ARMY**  
**U.S. ARMY CORPS OF ENGINEERS, HONOLULU DISTRICT**  
**FORT SHAFTER, HAWAII 96858-5440**

REPLY TO  
 ATTENTION OF:

December 9, 2009

Regulatory Branch

Mark Alexander Roy, AICP  
 Project Manager  
 Munekiyo & Hiraga, Inc.  
 305 High Street, Suite 104  
 Wailuku, HI 96793

Dear Mr Roy:

This responds to your request for written comments for a draft Environmental Assessment (dEA) which will address activities and impacts of the proposed Haiku Fire Station and Related Improvements located on portions of a 6.1-acre parcel identified as TMK: 227007008, Haiku, Maui.

The dEA should indicate whether waters of the United States, as typically represented by perennial or intermittent streams and wetlands, are in, or adjacent to, or absent from, the proposed project area. The dEA should state in appropriate sections whether there is the potential for waters of the U.S. to be impacted by construction of project structures and associated ground disturbing activities. Upon our receipt of the dEA, we will provide a determination whether a Department of Army (DA) permit for Section 404 activities of the Clean Water Act may, or may not be, required for the proposed Haiku Fire Station and Related Improvements project.

Section 404 requires that a DA permit be obtained for the placement or discharge of dredged and/or fill material into waters of the U.S., including wetlands, prior to conducting the work (33 U.S.C. 1344). For regulatory purposes, the U.S. Army Corps of Engineers (Corps) defines wetlands as those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. The area of Corps jurisdiction under Section 404 extends to the Ordinary High Water Mark (OHWM) for navigable waters other than the Pacific Ocean, and to the upland boundary of any adjacent wetlands.

Thank you for your consideration of potential impacts to the aquatic environment of the Haiku watershed. Please contact Mr. Farley Watanabe of my staff at 438-7701, facsimile 438-4060, or by email at [Farley.K.Watanabe@usace.army.mil](mailto:Farley.K.Watanabe@usace.army.mil) if you have any questions or need additional information. Please refer to File Number **POH-2009-00341** in any future correspondence with us.

Sincerely,

George P. Young, P.E.  
 Chief, Regulatory Branch



MICHAEL T. MUNEKIYO  
GWEN OHASHI HIRAGA  
MITSURU "MICH" HIRANO  
KARLYNN FUKUDA

MARK ALEXANDER ROY

December 7, 2010

George P. Young, P.E., Chief  
Regulatory Branch  
U. S. Army Corps of Engineers  
Honolulu District,  
**Department of Army**  
Building 230  
Fort Shafter, Hawaii 96858-5440

SUBJECT: Proposed Haiku Fire Station and Related Improvements at TMK  
(2)2-7-007:008 (por.), Haiku, Maui (POH-2009-00341)

Dear Mr. Young:

Thank you for your letter dated December 9, 2009, responding to our Chapter 343, Hawaii Revised Statutes (HRS) early consultation request for the subject project. On behalf of the applicant, the County of Maui, Department of Fire and Public Safety, we offer the following information in response to the comments noted in your letter:

**Comment No. 1:**

*The DEA should indicate whether waters of the United States, as typically represented by perennial or intermittent streams and wetlands, are in, or adjacent to, or absent from, the proposed project area. The DEA should state in appropriate sections whether there is the potential for waters of the U.S. to be impacted by construction of project structures and associated ground disturbing activities. Upon our receipt of the DEA, we will provide a determination whether a Department of Army DEA permit for Section 404 activities of the Clean Water Act may, or may not be, required for the proposed Haiku Fire Station and Related Improvements project.*

**Response:** The Draft Environmental Assessment (EA) will include information on existing site conditions and potential impacts to waters of the United States from the proposed project.

**Comment No. 2:**

*Section 404 requires that a DA permit be obtained for the placement or discharge of dredged and/or fill material into waters of the U.S., including wetlands, prior to conducting the work (33 U.S.C.1344). For regulatory purposes, the U.S. Army Corps of Engineers (Corps) defines wetlands as those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. The area of Corps jurisdiction under Section 404 extends to the Ordinary High Water Mark (OHWM) for navigable waters other than the Pacific Ocean, and to the upland boundary of any adjacent wetlands.*

**Response:** We note your comment regarding the need to obtain a Department of the Army (DA) permit for any discharge of dredged and/or fill material into waters of the U.S. The applicant looks forward to receiving the Section 404 determination from your office following review of the Draft EA and will comply with any DA permit requirements for the project, as applicable.

We appreciate the input provided by your office and will include a copy of your letter in the Draft EA for the project.

Should you have any questions, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



Mark Alexander Roy, AICP  
Program Manager

MAR:yp

cc: Lee Mainaga, County of Maui, Department of Fire and Public Safety  
Wendy Taomoto, County of Maui, Department of Management  
Kathleen Aoki, County of Maui, Department of Planning  
Terry McFarland, Architects Hawaii Limited  
Diane Kodama, AECOM Pacific, Inc.

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DEC 29 2009

LINDA LINGLE  
GOVERNOR



RUSS K. SAITO  
COMPTROLLER

SANDRA L. YAHIRO  
DEPUTY COMPTROLLER

STATE OF HAWAII  
DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES

P.O. BOX 119, HONOLULU, HAWAII 96810-0119

(P)1337.9

DEC 28 2009

Mr. Mark Alexander Roy, AICP  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

Subject: Early Consultation Request  
Proposed Haiku Fire Station and Related Improvements  
Haiku, Island of Maui, Hawaii  
TMK: (2) 2-7-007:008

Thank you for the opportunity to provide comments for the subject project. The proposed project does not impact any of the Department of Accounting and General Services' projects or existing facilities, and we have no comments to offer at this time.

If you have any questions, please call me at 586-0400 or have your staff call Mr. David DePonte of the Public Works Division at 586-0492.

Sincerely,

A handwritten signature in cursive script that reads "Russ K. Saito".

RUSS K. SAITO  
State Comptroller

c: Ms. Katherine Kealoha, DOH OEQC  
Mr. David Victor, DAGS - Maui



STATE OF HAWAII  
DEPARTMENT OF EDUCATION  
P.O. BOX 2360  
HONOLULU, HAWAII 96804

OFFICE OF THE SUPERINTENDENT

November 30, 2009

Mr. Mark Alexander Roy, Project Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawai'i 96793

Dear Mr. Roy:

Subject: Early Consultation for the Proposed Haiku Fire Station  
Haiku, Maui TMK: 2-27-007: por 008

The Department of Education has no comment or concern.

Thank you for the opportunity to comment. If you have any questions, please call Heidi Meeker of the Facilities Development Branch at (808) 377-8301.

Very truly yours,

A handwritten signature in cursive script, reading "Patricia Hamamoto".

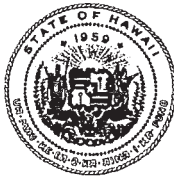
Patricia Hamamoto  
Superintendent

PH:jmb

c: Randolph Moore, Assistant Superintendent, OSFSS  
Lindsay Ball, CAS, Hana/Lahainaluna/Lanai/Molokai Complex Areas

DEC 15 2009

LINDA LINGLE  
GOVERNOR  
STATE OF HAWAII



KAULANA H. R. PARK  
CHAIRMAN  
HAWAIIAN HOMES COMMISSION

ANITA S. WONG  
DEPUTY TO THE CHAIRMAN

ROBERT J. HALL  
EXECUTIVE ASSISTANT

STATE OF HAWAII  
DEPARTMENT OF HAWAIIAN HOME LANDS

P.O. BOX 1879  
HONOLULU, HAWAII 96805

December 8, 2009

Mr. Mark Alexander Roy,  
Project Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

Subject: Comments for Early Consultation Request for Proposed  
Haiku Fire Station and Related Improvements at  
TMK: (2)2-7-007:008 (Por.), Haiku, Maui

This letter is to inform you that the Department of Hawaiian Home Lands (DHHL) has received your letter of November 17, 2009 regarding the County of Maui's request to construct a new fire station in Haiku.

After a review of your proposed action by our Land Management Division, it is believed that Hawaiian home lands will not be directly impacted by this project. However, the department supports your efforts to improve fire and emergency services to the area. The department has no significant comments to offer at this time. Please keep us informed of your progress.

Mahalo for the opportunity to provide our comments.

Should you have any questions, please call Todd Gray, Land Agent, at (808) 620-9460.

Aloha and mahalo,

Kaulana H. R. Park, Chairman  
Hawaiian Homes Commission



DEC 14 2009

CHIYOME L. FUKINO, M.D.  
DIRECTOR OF HEALTH

**STATE OF HAWAII**  
**DEPARTMENT OF HEALTH**  
P.O. BOX 3378  
HONOLULU, HAWAII 96801-3378

In reply, please refer to  
EMD / CWB

12043PJF.09

December 10, 2009

Mr. Mark Alexander Roy, AICP  
Project Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

**SUBJECT: Early Consultation Request for Proposed  
Haiku Fire Station and Related Improvements  
TMK Nos. (2) 2-7-007:008 (Por.)  
Haiku, Island of Maui, Hawaii**

The Department of Health, Clean Water Branch (CWB), has reviewed the subject document and offers these comments on your project.

Please note that our review is based solely on the information provided in the subject document and its compliance with the Hawaii Administrative Rules (HAR), Chapters 11-54 and 11-55. You may be responsible for fulfilling additional requirements related to our program. We recommend that you also read our standard comments on our website at:  
<http://www.hawaii.gov/health/environmental/env-planning/landuse/CWB-standardcomment.pdf>.

1. Any project and its potential impacts to State waters must meet the following criteria:
  - a. Antidegradation policy (HAR, Section 11-54-1.1), which requires that the existing uses and the level of water quality necessary to protect the existing uses of the receiving State water be maintained and protected.
  - b. Designated uses (HAR, Section 11-54-3), as determined by the classification of the receiving State waters.
  - c. Water quality criteria (HAR, Sections 11-54-4 through 11-54-8).

2. You are required to obtain a National Pollutant Discharge Elimination System (NPDES) permit for discharges of wastewater, including storm water runoff, into State surface waters (HAR, Chapter 11-55). For the following types of discharges into Class A or Class 2 State waters, you may apply for an NPDES general permit coverage by submitting a Notice of Intent (NOI) form:

- a. Storm water associated with construction activities, including clearing, grading, and excavation, that result in the disturbance of equal to or greater than one (1) acre of total land area. The total land area includes a contiguous area where multiple separate and distinct construction activities may be taking place at different times on different schedules under a larger common plan of development or sale. An NPDES permit is required before the start of the construction activities.
- b. Hydrotesting water.
- c. Construction dewatering effluent.

You must submit a separate NOI form for each type of discharge at least 30 calendar days prior to the start of the discharge activity, except when applying for coverage for discharges of storm water associated with construction activity. For this type of discharge, the NOI must be submitted 30 calendar days before to the start of construction activities. The NOI forms may be picked up at our office or downloaded from our website at:

<http://www.hawaii.gov/health/environmental/water/cleanwater/forms/genl-index.html>.

3. For types of wastewater not listed in Item No. 2 above or wastewater discharging into Class 1 or Class AA waters, you may need an NPDES individual permit. An application for an NPDES individual permit must be submitted at least 180 calendar days before the commencement of the discharge. The NPDES application forms may be picked up at our office or downloaded from our website at:

<http://www.hawaii.gov/health/environmental/water/cleanwater/forms/indiv-index.html>.

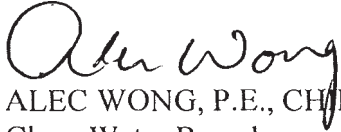
4. Please note that all discharges related to the project construction or operation activities, whether or not NPDES permit coverage and/or Section 401 Water Quality Certification are required, must comply with the State's Water Quality Standards. Noncompliance with water quality requirements contained in HAR, Chapter 11-54, and/or permitting requirements, specified in HAR, Chapter 11-55, may be subject to penalties of \$25,000 per day per violation.

Mr. Mark Alexander Roy, AICP  
December 10, 2009  
Page 3

12043PJF.09

If you have any questions, please visit our website at:  
<http://www.hawaii.gov/health/environmental/water/cleanwater/index.html>, or contact the  
Engineering Section, CWB, at (808) 586-4309.

Sincerely,

  
ALEC WONG, P.E., CHIEF  
Clean Water Branch

JF:rg



MICHAEL T. MUNEKIYO  
GWEN OHASHI HIRAGA  
MITSURU "MICH" HIRANO  
KARLYNN FUKUDA

MARK ALEXANDER ROY

December 7, 2010

Alec Wong, P.E., Chief  
**Clean Water Branch**  
Department of Health  
State of Hawaii  
P.O. Box 3378  
Honolulu, Hawaii 96801-3378

**SUBJECT:** Proposed Haiku Fire Station and Related Improvements at TMK (2)2-7-007:008 (por.), Haiku, Maui (12043PJF.09)

Dear Mr. Wong:

Thank you for your letter dated December 10, 2009, responding to our Chapter 343, Hawaii Revised Statutes (HRS) early consultation request for the subject project. On behalf of the applicant, the County of Maui, Department of Fire and Public Safety, we offer the following information in response to the comments noted in your letter:

**Comment No. 1:**

*Any project and its potential impacts to State waters must meet the following criteria:*

- a. *Antidegradation policy (HAR, Section 11-54-1.1), which requires that the existing uses and the level of water quality necessary to protect the existing uses of the receiving State water be maintained and protected.*
- b. *Designated uses (HAR, Section 11-54-3), as determined by the classification of the receiving State waters.*
- c. *Water quality criteria (HAR, Sections 11-54-4 through 11-54-8).*

**Response:** We note your comments that the proposed project must meet the criteria set forth in Sections 11-54-1.1 (Antidegradation Policy), 11-54-3 (Designated Uses) and 11-54-4 through 11-54-8 (Water Quality Criteria) of the Hawaii Administrative Rules (HAR).

**Comment No. 2:**

*You are required to obtain a National Pollutant Discharge Elimination System (NPDES) permit for discharges of wastewater, including storm water runoff, into State surface waters (HAR, Chapter 11-55). For the following types of discharges into Class A or Class 2 State waters, you may apply for an NPDES general permit coverage by submitting a Notice of Intent (NOI) form:*

- a. *Storm water associated with construction activities, including clearing, grading, and excavation, that result in the disturbance of equal to or greater than one (1) acre of total land area. The total land area includes a contiguous area where multiple separate and distinct construction activities may be taking place at different times on different schedules under a larger common plan of development or sale. An NPDES permit is required before the start of the construction activities.*
- b. *Hydrotesting water.*
- c. *Construction dewatering effluent.*

**Response:** The applicant's civil engineer will coordinate with the Clean Water Branch to address applicable NPDES permit requirements for the project.

**Comment No. 3:**

*For types of wastewater not listed in Item No.2 above or wastewater discharging into Class 1 or Class AA waters, you may need an NPDES individual permit. An application for an NPDES individual permit must be submitted at least 180 calendar days before the commencement of the discharge. The NPDES application forms may be picked up at our office or downloaded from our website at: <http://www.hawaii.gov/health/environmental/water/cleanwater/forms/indiv-index.html>.*

**Response:** As noted above, the applicant's civil engineer will coordinate with the Clean Water Branch to address applicable NPDES individual permit requirements for the project.

**Comment No. 4:**

*Please note that all discharges related to the project construction or operation activities, whether or not NPDES permit coverage and/or Section 401 Water Quality Certification are required, must comply with the State's Water Quality Standards. Noncompliance with water quality requirements contained in HAR, Chapter 11-54, and/or permitting*



Alec Wong, P.E., Chief  
December 7, 2010  
Page 3

*requirements, specified in HAR, Chapter 11-55, may be subject to penalties of \$25,000 per day per violation.*

**Response:** The project will comply with all applicable State Water Quality Standards as specified in Chapter 11-54, HAR.

We appreciate the input provided by your office and will include a copy of your letter in the Draft Environmental Assessment (EA) for the project.

Should you have any questions, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



Mark Alexander Roy, AICP  
Program Manager

MAR:yp

cc: Lee Mainaga, County of Maui, Department of Fire and Public Safety  
Wendy Taomoto, County of Maui, Department of Management  
Kathleen Aoki, County of Maui, Department of Planning  
Terry McFarland, Architects Hawaii Limited  
Diane Kodama, AECOM Pacific, Inc.

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DEC 07 2009



LINDA LINGLE  
GOVERNOR OF HAWAII

CHIYOME L. FUKINO, M. D.  
DIRECTOR OF HEALTH

LORRIN W. PANG, M. D., M. P. H.  
DISTRICT HEALTH OFFICER

STATE OF HAWAII  
DEPARTMENT OF HEALTH  
MAUI DISTRICT HEALTH OFFICE  
54 HIGH STREET  
WAILUKU, MAUI, HAWAII 96793-2102

December 3, 2009

Mr. Mark Alexander Roy, AICP  
Project Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawai'i 96793

Dear Mr. Roy:

**Subject: Early Consultation Request for Proposed Haiku Fire Station and Related Improvements, Haiku Maui, Hawaii  
TMK: (2) 2-7-007:008 (Por.)**

Thank you for giving us the opportunity to review and comment on this project. The following comments are offered:

1. The noise created during the construction phase of the project may exceed the maximum allowable levels as set forth in Hawaii Administrative Rules, Chapter 11-46 "Community Noise Control". A noise permit may be required and should be obtained before the commencement of this project.
2. National Pollutant Discharge Elimination System (NPDES) permit coverage may be required for this project. The Clean Water Branch should be contacted at 808 586-4309.

It is strongly recommended that the Standard Comments found at the Department's website: <http://hawaii.gov/health/environmental/env-planning/landuse/landuse.html> be reviewed, and any comments specifically applicable to this project should be adhered to.

Should you have any questions, please call me at 808 984-8230 or e-mail me at [patricia.kitkowski@doh.hawaii.gov](mailto:patricia.kitkowski@doh.hawaii.gov).

Sincerely,

A handwritten signature in cursive script that reads "Patti Kitkowski".

Patti Kitkowski  
Acting District Environmental Health Program Chief



MICHAEL T. MUNEKIYO  
GWEN OHASHI HIRAGA  
MITSURU "MICH" HIRANO  
KARLYNN FUKUDA

MARK ALEXANDER ROY

December 7, 2010

Patti Kitkowski, Acting District  
Environmental Health Program Chief  
**Department of Health**  
Maui District Health Office  
54 High Street  
Wailuku, Hawaii 96793-2102

**SUBJECT:** Proposed Haiku Fire Station and Related Improvements at TMK  
(2)2-7-007:008 (por.), Haiku, Maui

Dear Ms. Kitkowski:

Thank you for your letter dated December 3, 2009, responding to our Chapter 343, Hawaii Revised Statutes (HRS) early consultation request for the subject project. On behalf of the applicant, the County of Maui, Department of Fire and Public Safety, we offer the following information in response to the comments noted in your letter:

**Comment No. 1:**

*The noise created during the construction phase of the project may exceed the maximum allowable levels as set forth in Hawaii Administrative Rules, Chapter 11-46 "Community Noise Control". A noise permit may be required and should be obtained before the commencement of this project.*

**Response:** Pursuant to Hawaii Administrative Rules (HAR), Chapter 11-46, "Community Noise Control", a noise permit will be secured prior to commencement of construction, as applicable.

**Comment No. 2:**

*National Pollutant Discharge Elimination System (NPDES) permit coverage may be required for this project. The Clean Water Branch should be contacted at 808 586-4309.*

Patti Kitkowski, Acting District  
Environmental Health Program Chief  
December 7, 2010  
Page 2

**Response:** The applicant's civil engineer will coordinate with the Clean Water Branch to address applicable NPDES permit requirements for the project.

We appreciate the input provided by your office and will include a copy of your letter in the Draft Environmental Assessment (EA) for the project.

Should you have any questions, please do not hesitate to contact me at 244-2015.

Very truly yours,



Mark Alexander Roy, AICP  
Program Manager

MAR:yp

cc: Lee Mainaga, County of Maui, Department of Fire and Public Safety  
Wendy Taomoto, County of Maui, Department of Management  
Kathleen Aoki, County of Maui, Department of Planning  
Terry McFarland, Architects Hawaii Limited  
Diane Kodama, AECOM Pacific, Inc.

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LINDA LINGLE  
GOVERNOR OF HAWAII



DECEMBER 10 2009  
LAURA H. THIELEN  
CHAIRPERSON  
BOARD OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
LAND DIVISION

POST OFFICE BOX 621  
HONOLULU, HAWAII 96809

December 8, 2009

Munekiyo & Hiraga, Inc.  
305 High Street Suite 104  
Wailuku, Hawaii 96793

Attention: Mr. Mark Alexander Roy, AICP

Ladies and Gentlemen:

Subject: Early Consultation for Proposed Haiku Fire Station and Related Improvements

Thank you for the opportunity to review and comment on the subject matter. The Department of Land and Natural Resources' (DLNR), Land Division distributed or made available a copy of your report pertaining to the subject matter to DLNR Divisions for their review and comment.

Other than the comments from Commission on Water Resource Management, the Department of Land and Natural Resources has no other comments to offer on the subject matter. Should you have any questions, please feel free to call our office at 587-0433. Thank you.

Sincerely,

A handwritten signature in cursive script, appearing to read "Morris M. Atta".

Handwritten initials "MMA" in cursive, followed by the printed name "Morris M. Atta" and the title "Administrator".  
Morris M. Atta  
Administrator

LINDA LINGLE  
GOVERNOR OF HAWAII



LAURA H. THIELEN  
CHAIRPERSON  
WILLIAM D. BALFOUR, JR.  
SUMNER ERDMAN  
NEAL S. FUJIWARA  
CHIYOME L. FUKINO, M.D.  
DONNA FAY K. KIYOSAKI, P.E.  
LAWRENCE H. MIKE, M.D., J.D.

KEN C. KAWAHARA, P.E.  
DEPUTY DIRECTOR

STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT  
P.O. BOX 621  
HONOLULU, HAWAII 96809

December 1, 2009

TO: Morris Atta, Administrator  
Land Division

FROM: Ken C. Kawahara, P.E., Deputy Director  
Commission on Water Resource Management

SUBJECT: Proposed Haiku Fire Station, Maui

FILE NO.: N/A  
TMK NO.: (2) 2-7-007:008 (por)

*Ken C. Kawahara*

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LAND DIVISION  
2009 DEC -2 P 3 16 1  
DEPT. OF LAND &  
NATURAL RESOURCES  
STATE OF HAWAII

Thank you for the opportunity to review the subject document. The Commission on Water Resource Management (CWRM) is the agency responsible for administering the State Water Code (Code). Under the Code, all waters of the State are held in trust for the benefit of the citizens of the State, therefore, all water use is subject to legally protected water rights. CWRM strongly promotes the efficient use of Hawaii's water resources through conservation measures and appropriate resource management. For more information, please refer to the State Water Code, Chapter 174C, Hawaii Revised Statutes, and Hawaii Administrative Rules, Chapters 13-167 to 13-171. These documents are available via the Internet at <http://www.hawaii.gov/dlnr/cwrm>.

Our comments related to water resources are checked off below.

1. We recommend coordination with the county to incorporate this project into the county's Water Use and Development Plan. Please contact the respective Planning Department and/or Department of Water Supply for further information.
2. We recommend coordination with the Engineering Division of the State Department of Land and Natural Resources to incorporate this project into the State Water Projects Plan.
3. We recommend coordination with the Hawaii Department of Agriculture (HDOA) to incorporate the reclassification of agricultural zoned land and the redistribution of agricultural resources into the State's Agricultural Water Use and Development Plan (AWUDP). Please contact the HDOA for more information.
4. We recommend that water efficient fixtures be installed and water efficient practices implemented throughout the development to reduce the increased demand on the area's freshwater resources. Reducing the water usage of a home or building may earn credit towards Leadership in Energy and Environmental Design (LEED) certification. More information on LEED certification is available at <http://www.usgbc.org/leed>. A listing of fixtures certified by the EPA as having high water efficiency can be found at <http://www.epa.gov/watersense/pp/index.htm>.
5. We recommend the use of best management practices (BMP) for stormwater management to minimize the impact of the project to the existing area's hydrology while maintaining on-site infiltration and preventing polluted runoff from storm events. Stormwater management BMPs may earn credit toward LEED certification. More information on stormwater BMPs can be found at <http://hawaii.gov/dbedt/czm/initiative/lid.php>.

- 6. We recommend the use of alternative water sources, wherever practicable.
- 7. There may be the potential for ground or surface water degradation/contamination and recommend that approvals for this project be conditioned upon a review by the State Department of Health and the developer's acceptance of any resulting requirements related to water quality.

Permits required by CWRM:

Additional information and forms are available at [http://hawaii.gov/dlnr/cwrm/resources\\_permits.htm](http://hawaii.gov/dlnr/cwrm/resources_permits.htm).

- 8. The proposed water supply source for the project is located in a designated water management area, and a Water Use Permit is required prior to use of water.
- 9. A Well Construction Permit(s) is (are) required any well construction work begins.
- 10. A Pump Installation Permit(s) is (are) required before ground water is developed as a source of supply for the project.
- 11. There is (are) well(s) located on or adjacent to this project. If wells are not planned to be used and will be affected by any new construction, they must be properly abandoned and sealed. A permit for well abandonment must be obtained.
- 12. Ground water withdrawals from this project may affect streamflows, which may require an instream flow standard amendment.
- 13. A Stream Channel Alteration Permit(s) is (are) required before any alteration(s) can be made to the bed and/or banks of a stream channel.
- 14. A Stream Diversion Works Permit(s) is (are) required before any stream diversion works is (are) constructed or altered.
- 15. A Petition to Amend the Interim Instream Flow Standard is required for any new or expanded diversion(s) of surface water.
- 16. The planned source of water for this project has not been identified in this report. Therefore, we cannot determine what permits or petitions are required from our office, or whether there are potential impacts to water resources.
- OTHER:

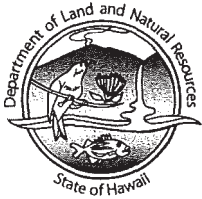
If there are any questions, please contact Charley Ice at 587-0218.

DEC 11 2009

LINDA LINGLE  
GOVERNOR OF HAWAII



LAURA H. THIELEN  
CHAIRPERSON  
BOARD OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
LAND DIVISION

POST OFFICE BOX 621  
HONOLULU, HAWAII 96809

December 9, 2009

Munekiyo & Hiraga, Inc.  
305 High Street Suite 104  
Wailuku, Hawaii 96793

Attention: Mr. Mark Alexander Roy, AICP

Ladies and Gentlemen:

Subject: Early Consultation for Proposed Haiku Fire Station and Related Improvements

Thank you for the opportunity to review and comment on the subject matter. The Department of Land and Natural Resources' (DLNR), Land Division distributed or made available a copy of your report pertaining to the subject matter to Division of Aquatic Resources and Division of Forestry & Wildlife for their review and comment.

The Department of Land and Natural Resources has no other comments to offer on the subject matter. Should you have any questions, please feel free to call our office at 587-0433. Thank you.

Sincerely,

A handwritten signature in cursive script, appearing to read "Morris M. Atta".

Morris M. Atta  
Administrator



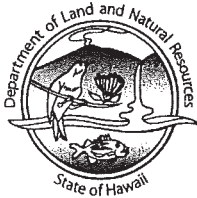
LINDA LINGLE  
GOVERNOR OF HAWAII



LAURA H. THIELEN  
CHAIRPERSON  
BOARD OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT

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LAND DIVISION

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STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
LAND DIVISION

POST OFFICE BOX 621  
HONOLULU, HAWAII 96809

DEPT. OF LAND &  
NATURAL RESOURCES  
STATE OF HAWAII

September 6, 2008

MEMORANDUM

TO:

**DLNR Agencies:**

- Div. of Aquatic Resources
- Div. of Boating & Ocean Recreation
- Engineering Division
- Div. of Forestry & Wildlife
- Div. of State Parks
- Commission on Water Resource Management
- Office of Conservation & Coastal Lands
- Land Division -
- Historic Preservation

FROM:

*Morris M. Atta*

SUBJECT: Early Consultation for Proposed Haiku Fire Station and Related Improvements

LOCATION: Island of Maui

APPLICANT: Munekiyo & Hiraga, Inc. on behalf of County of Maui, Department of Fire & Public Safety

Transmitted for your review and comment on the above referenced document. We would appreciate your comments on this document. Please submit any comments by December 6, 2009.

If no response is received by this date, we will assume your agency has no comments. If you have any questions about this request, please contact my office at 587-0433. Thank you.

Attachments

- We have no objections.
- We have no comments.
- Comments are attached.

Signed:

Date: 12/4/09



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
LAND DIVISION

POST OFFICE BOX 621  
HONOLULU, HAWAII 96809

September 6, 2008

MEMORANDUM

TO:

**DLNR Agencies:**

- Div. of Aquatic Resources
- Div. of Boating & Ocean Recreation
- Engineering Division
- Div. of Forestry & Wildlife
- Div. of State Parks
- Commission on Water Resource Management
- Office of Conservation & Coastal Lands
- Land Division -
- Historic Preservation



FROM:

Morris M. Atta *M. Atta*

SUBJECT: Early Consultation for Proposed Haiku Fire Station and Related Improvements

LOCATION: Island of Maui

APPLICANT: Munekiyo & Hiraga, Inc. on behalf of County of Maui, Department of Fire & Public Safety

AQUATIC RESOURCES: 2713

DIRECTOR	
COMM. FISH	
AO RES/ENV	
AO REC	
PLANNER	
STAFF SVCS	
RCUH/UH	
STATISTICS	
AERC/FED AID	
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STATE OF HAWAII

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LAND DIVISION

Transmitted for your review and comment on the above referenced document. We would appreciate your comments on this document. Please submit any comments by December 6, 2009.

If no response is received by this date, we will assume your agency has no comments. If you have any questions about this request, please contact my office at 587-0433. Thank you.

Attachments

- (X) We have no objections.
- ( ) We have no comments.
- ( ) Comments are attached.

Signed: *[Signature]*  
Date: 8 Dec. 09



MICHAEL T. MUNEKIYO  
GWEN OHASHI HIRAGA  
MITSURU "MICH" HIRANO  
KARLYNN FUKUDA

MARK ALEXANDER ROY

December 7, 2010

Morris M. Atta, Administrator  
Land Division  
**Department of Land and Natural Resources**  
State of Hawaii  
P. O. Box 621  
Honolulu, Hawaii 96809

**SUBJECT: Proposed Haiku Fire Station and Related Improvements at TMK  
(2)2-7-007:008 (por.), Haiku, Maui**

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Dear Mr. Atta:

Thank you for your letters dated December 8, 2009, and December 9, 2009, responding to our Chapter 343, Hawaii Revised Statutes (HRS) early consultation request for the subject project. On behalf of the applicant, the County of Maui, Department of Fire and Public Safety (DF&PS), we offer the following information in response to the comments noted in your letters:

**Comment No. 1 (Commission on Water Resources Management):**

*We recommend coordination with the county to incorporate this project into the County's Water Use and Development Plan. Please contact the respective Planning Department and/or Department of Water Supply for further information.*

**Response:** We note your comment regarding the County of Maui's Water Use and Development Plan (WUDP). Coordination with the Planning Department and/or Department of Water Supply will be undertaken through the Chapter 343, HRS Environmental Assessment (EA), County land use entitlements and construction plans review processes. It is through these coordination processes that the project will be recognized as a relevant component of the WUDP.

**Comment No. 2 (Commission on Water Resources Management):**

*We recommend the use of alternative water sources, wherever practicable.*

Morris M. Atta, Administrator  
December 7, 2010  
Page 2

**Response:** We acknowledge your comment regarding use of alternative water sources. An evaluation of alternative water sources and water conservation planning resources will be completed as part of the Leadership in Energy and Environmental Design (LEED) certification process for the project.

In addition to the above noted comments, we received input from your department's Division of Forestry & Wildlife (DOFW) and Division of Aquatic Resources (DAR). The applicant acknowledges that DOFW has no comments on the proposed project. The applicant also acknowledges that the DAR has no objections to the proposed project.

We appreciate the input provided by your office and will include a copy of your letter in the Draft EA for the project.

Should you have any questions, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



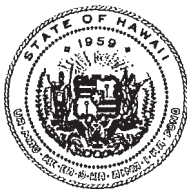
Mark Alexander Roy, AICP  
Program Manager

MAR:yp

cc: Lee Mainaga, County of Maui, Department of Fire and Public Safety  
Wendy Taomoto, County of Maui, Department of Management  
Kathleen Aoki, County of Maui, Department of Planning  
Terry McFarland, Architects Hawaii Limited

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LINDA LINGLE  
GOVERNOR



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
869 PUNCHBOWL STREET  
HONOLULU, HAWAII 96813-5097

BRENNON T. MORIOKA  
DIRECTOR

Deputy Directors  
MICHAEL D. FORMBY  
FRANCIS PAUL KEENO  
BRIAN H. SEKIGUCHI  
JIRO A. SUMADA

IN REPLY REFER TO:

STP 8.3479

December 18, 2009

Mr. Mark Alexander Roy, AICP  
Project Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

Subject: Haiku Fire Station and Related Improvements  
Early Consultation (EC) for a Draft Environmental Assessment (DEA)

Thank you for requesting the State Department of Transportation's (DOT) review of the subject project to construct a new fire station and related improvements on a 6-acre parcel that is owned by Maui County and is located at the intersection of East Kuiaha Road and the State highway, Hana Highway.

DOT understands that the Maui County Department of Fire and Public Safety's new station will consist of a 7,528 square foot administrative building, vehicle storage and utility building facilities for the six personnel that will be assigned to the station. Primary access for emergency vehicles will be via Hana Highway. A secondary access driveway for non-emergency vehicles will be from either Hana Highway or East Kuiaha Road.

Given the potential impacts to Hana Highway, DOT requests the following comments be addressed in the DEA:

1. The applicant shall coordinate access requirements with the DOT Highways Division, Rights-of-Way Branch.
2. The proposed subject fire station and related improvements, especially parking spaces for emergency vehicles and personnel, should be designed and oriented in such a way as to preclude vehicle back-ups onto Hana Highway.
3. Given that the proposed project site is located on a rolling terrain, the applicant must submit a drainage report and grading plans to the DOT Highways Division for review and approval. Diversion of additional surface water run-off onto Hana Highway is not permitted.

Mr. Mark Alexander Roy  
Page 2  
December 18, 2009

STP 8.3479

4. The DEA should assess the traffic impacts to Hana Highway and address issues such as, but not limited to, access improvements, project generated traffic, traffic safety controls measures or warning signs and the safety of approaching motorists and bicycles at the fire station, especially when there is an emergency call. A copy of the DEA and any traffic assessment should also be forwarded to the DOT Highways Division Maui District Engineer for concurrent review.
5. A permit is required from DOT Highways Division to transport oversized and overweight equipment/loads within the State highway facilities.
6. Construction plans for all work done within the State highway rights-of-way must be submitted to DOT Highways Division for review and approval.

DOT appreciates the opportunity to provide comments and requests four (4) copies of the DEA. If there are any questions, please contact Mr. David Shimokawa of the DOT Statewide Transportation Planning Office at telephone number (808) 587-2356.

Very truly yours,



BRENNON T. MORIOKA, Ph.D., P.E.  
Director of Transportation

c: David Thyne, Maui County Department of Fire and Public Safety

December 7, 2010

Office of the Director  
**Department of Transportation**  
State of Hawaii  
869 Punchbowl Street  
Honolulu, Hawaii 96813-5097

**SUBJECT:** Proposed Haiku Fire Station and Related Improvements at TMK (2)2-7-007:008 (por.), Haiku, Maui (STP 8.3479)

Dear Sir or Madame:

Thank you for your department's letter dated December 18, 2009, responding to our Chapter 343, Hawaii Revised Statutes (HRS) early consultation request for the subject project. On behalf of the applicant, the County of Maui, Department of Fire and Public Safety, we offer the following information in response to the comments noted in your letter:

**Comment No. 1:**

*The applicant shall coordinate access requirements with the DOT Highways Division, Rights-of-Way Branch.*

**Response:** The applicant acknowledges your comment. Access requirements for the proposed project will be coordinated with Department of Transportation (DOT) Highways Division, Rights-of-Way Branch.

**Comment No. 2:**

*The proposed subject fire station and related improvements, especially parking spaces for emergency vehicles and personnel, should be designed and oriented in such a way as to preclude vehicle back-ups onto Hana Highway.*

**Response:** The applicant acknowledges your concerns regarding the need to avoid vehicle back-ups onto Hana Highway. Your comments will be forwarded to the project architect and engineer so that these concerns are reflected in the site plan for the project.

**Comment No. 3:**

*Given that the proposed project site is located on a rolling terrain, the applicant must submit a drainage report and grading plans to the DOT Highways Division for review and approval. Diversion of additional surface water run-off onto Hana Highway is not permitted.*

**Response:** A drainage report and grading plans will be submitted to the DOT Highways Division for review and approval. The drainage system for the project will be designed to retain all increases in stormwater runoff, such that there are no impacts on downstream properties, including Hana Highway.

**Comment No. 4:**

*The DEA should assess the traffic impacts to Hana Highway and address issues such as, but not limited to, access improvements, project generated traffic, traffic safety controls measures or warning signs and the safety of approaching motorists and bicycles at the fire station, especially when there is an emergency call. A copy of the DEA and any traffic assessment should also be forwarded to the DOT Highways Division Maui District Engineer for concurrent review.*

**Response:** The applicant recognizes your concerns regarding the project's potential impact of traffic on Hana Highway. A Traffic Impact Assessment Report (TIAR) has been prepared by the traffic engineer, Wilson Okamoto Corporation, and will be included in the Draft Environmental Assessment (EA). A copy of the Draft EA will be forwarded to both your office and the DOT Highways Division Maui District Engineer for concurrent review.

**Comment No. 5:**

*A permit is required from DOT Highways Division to transport oversized and overweight equipment/loads within the State highway facilities.*



**Response:** A permit from DOT Highways Division to transport oversized and overweight equipment/loads within the State highway facilities will be obtained for the project, as applicable.

**Comment No. 6:**

*Construction plans for all work done within the State highway rights-of-way must be submitted to DOT Highways Division for review and approval.*

**Response:** Construction plans for wall work proposed to be completed within the State right-of-way along Hana Highway will be submitted to DOT Highways Division for review and approval.

We appreciate the input provided by your office and will include a copy of your letter in the Draft EA for the project.

Should you have any questions, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



Mark Alexander Roy, AICP  
Program Manager

MAR:yp

cc: Lee Mainaga, County of Maui, Department of Fire and Public Safety  
Wendy Taomoto, County of Maui, Department of Management  
Kathleen Aoki, County of Maui, Department of Planning  
Terry McFarland, Architects Hawaii Limited  
Diane Kodama, AECOM Pacific, Inc.  
Cathy Leong, Wilson Okamoto Corporation

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DEC 07 2009

LINDA LINGLE  
GOVERNOR

MAJOR GENERAL ROBERT G. F. LEE  
DIRECTOR OF CIVIL DEFENSE

EDWARD T. TEIXEIRA  
VICE DIRECTOR OF CIVIL DEFENSE



PHONE (808) 733-4300  
FAX (808) 733-4287

**STATE OF HAWAII**  
**DEPARTMENT OF DEFENSE**  
**OFFICE OF THE DIRECTOR OF CIVIL DEFENSE**  
3949 DIAMOND HEAD ROAD  
HONOLULU, HAWAII 96816-4495

December 4, 2009

Mr. Mark Alexander Roy, AICP  
Project Manager  
Munekiyo & Hiraga  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

Early Consultation Request, Proposed Haiku Fire Station  
Haiku, Maui, Hawaii

Thank you for the opportunity to comment on this project. After review of your letter and the maps sent for this project, we have no suggestions to make at this time.

We anticipate reviewing the Environmental Assessment when it is completed and will make any appropriate recommendations at that time.

If you have any questions, please contact Mr. Richard Stercho, Hazard Mitigation Planner, at (808) 733-4300, extension 583.

Sincerely,

  
EDWARD T. TEIXEIRA  
Vice Director of Civil Defense

PHONE (808) 594-1888

FAX (808) 594-1865



**STATE OF HAWAII**  
**OFFICE OF HAWAIIAN AFFAIRS**  
711 KAPI'OLANI BOULEVARD, SUITE 500  
HONOLULU, HAWAII 96813

HRD09/4142 B

December 8, 2009

Mark Alexander Roy, AICP  
Project Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, HI 96793

**RE: Early consultation Environmental Assessment for the proposed Ha'ikū Fire Station and related improvements; Ha'ikū, Maui; TMK: (2) 2-7-007:008.**

Aloha e Mark Alexander Roy,

The Office of Hawaiian Affairs (OHA) is in receipt of the above-mentioned request for comment, dated November 17, 2009. According to the letter, Munekiyo & Hiraga, Inc. is preparing a Draft Environmental Assessment (EA) for the proposed Ha'ikū Fire Station, which would include a low-rise administrative facility, access roads, two wind turbines and a new off-site waterline of about 4,200 feet. OHA has reviewed the proposed project and offers the following comments at this time.

We appreciate the applicant's environmental intentions of following the Leadership in Energy and Environmental Design green building rating system, with a variety of environmental elements. In addition to those design features that were listed in the early consultation letter, we would urge the applicant to use native vegetation in its landscaping plan for the subject parcel. Landscaping with native plants furthers the traditional Hawaiian concept of mālama 'āina and creates a more Hawaiian sense of place.

OHA also reminds the applicant that Chapter 343 of the Hawaii Revised Statutes (HRS) requires that the forthcoming Draft EA include a Cultural Impact Assessment (CIA). The CIA should include information relating to the traditional and customary practices and beliefs of the area's Native Hawaiians, and the community should be involved in this assessment. Consideration must also be afforded to any individuals accessing the project area for

constitutionally protected traditional and customary purposes, in accordance with the Hawai'i State Constitution, Article XII, Section 7.

OHA further requests clarification whether an archaeological inventory survey for the project will be submitted to the State Historic Preservation Division for review and approval. If so, OHA should be allowed the opportunity to comment on the criteria assigned to any cultural or archaeological sites identified within the archaeological inventory survey.

We also request the applicant's assurances that should iwi kūpuna or Native Hawaiian cultural or traditional deposits be found during ground disturbance for the project, work will cease, and the appropriate agencies will be contacted pursuant to applicable law.

Thank you for the opportunity to comment. We look forward to reviewing and providing more detailed comments on the forthcoming Draft EA. If you have further questions, please contact Heidi Guth by phone at (808) 594-1962 or e-mail her at [heidig@oha.org](mailto:heidig@oha.org).

'O wau iho nō me ka 'oia'i'o,



Clyde W. Nāmu'o  
Administrator



MICHAEL T. MUNEKIYO  
GWEN OHASHI HIRAGA  
MITSURU "MICH" HIRANO  
KARLYNN FUKUDA

MARK ALEXANDER ROY

December 7, 2010

Clyde W. Nāmu'o, Administrator  
**Office of Hawaiian Affairs**  
State of Hawaii  
711 Kapi'olani Boulevard, Suite 500  
Honolulu, Hawaii 96813

**SUBJECT:** Proposed Haiku Fire Station and Related Improvements at TMK (2)2-7-007:008 (por.), Haiku, Maui (HRD09/4142 B)

Dear Mr. Nāmu'o:

Thank you for your letter dated December 8, 2009, responding to our Chapter 343, Hawaii Revised Statutes (HRS) early consultation request for the subject project. On behalf of the applicant, the County of Maui, Department of Fire and Public Safety, we offer the following information in response to the comments noted in your letter:

**Comment No. 1:**

*We appreciate the applicant's environmental intentions of following the Leadership in Energy and Environmental Design green building rating system, with a variety of environmental elements. In addition to those design features that were listed in the early consultation letter, we would urge the applicant to use native vegetation in its landscaping plan for the subject parcel. Landscaping with native plants furthers the traditional Hawaiian concept of mālama 'āina and creates a more Hawaiian sense of place.*

**Response:** We appreciate your positive feedback regarding the sustainable design elements that are being incorporated in the project and the commitment to the Leadership in Energy and Environmental Design (LEED) certification process. The applicant also notes that various native plants are to be utilized in the landscaping design for the project. A copy of the preliminary landscaping plan for the project will be included in the Draft Environmental Assessment (EA).

**Comment No. 2:**

*OHA also reminds the applicant that Chapter 343 of the Hawaii Revised Statutes (HRS) requires that the forthcoming Draft EA include a Cultural Impact Assessment (CIA). The CIA should include information relating to the traditional and customary practices and beliefs of the area's Native Hawaiians, and the community should be involved in this assessment. Consideration must also be afforded to any individuals accessing the project area for constitutionally protected traditional and customary purposes, in accordance with the Hawai'i State Constitution, Article XII, Section 7.*

**Response:** The Draft EA for the project will include a CIA, prepared in accordance with Chapter 343, HRS. The CIA will address Native Hawaiian practices and beliefs associated with the area of the proposed project, as well as traditional and customary access rights, in accordance with the Hawaii State Constitution, Article XII, Section 7.

**Comment No. 3:**

*OHA further requests clarification whether an archaeological inventory survey for the project will be submitted to the State Historic Preservation Division for review and approval. If so, OHA should be allowed the opportunity to comment on the criteria assigned to any cultural or archaeological sites identified within the archaeological inventory survey.*

**Response:** An Archaeological Inventory Survey (AIS) has been prepared for the project. The AIS was accepted by the State Historic Preservation Division (SHPD) on November 12, 2010. A copy of the AIS and the SHPD acceptance letter will be included in the Draft EA for the project, a copy of which will be provided to OHA for review and comment.

**Comment No. 4:**

*We also request the applicant's assurances that should iwi kopuna or Native Hawaiian cultural or traditional deposits be found during ground disturbance for the project, work will cease, and the appropriate agencies will be contacted pursuant to applicable law.*

**Response:** We note your comment regarding the discovery of iwi kupuna or Native Hawaiian cultural or traditional deposits during the construction of the project. In the event that these deposits are found, construction work will cease in the immediate vicinity of the find, and SHPD will be contacted immediately to establish the appropriate level of mitigation.

Clyde W. Nāmu'o, Administrator  
December 7, 2010  
Page 3

We appreciate the input provided by your office and will include a copy of your letter in the Draft EA for the project.

Should you have any questions, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Mark Alexander Roy', with several horizontal lines drawn underneath it.

Mark Alexander Roy, AICP  
Program Manager

MAR:yp

cc: Lee Mainaga, County of Maui, Department of Fire and Public Safety  
Wendy Taomoto, County of Maui, Department of Management  
Kathleen Aoki, County of Maui, Department of Planning  
Terry McFarland, Architects Hawaii Limited  
Michael Dega, Scientific Consulting Services, Inc.

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DEPARTMENT OF  
**HOUSING AND HUMAN CONCERNS**  
HOUSING DIVISION  
COUNTY OF MAUI

DEC 11 2009  
CHARMAINE TAVARES  
Mayor  
LORI TSUHAKO  
Director

JO-ANN T. RIDAO  
Deputy Director

35 LUNALILO STREET, SUITE 102 • WAILUKU, HAWAII 96793 • PHONE (808) 270-7351 • FAX (808) 270-6284

December 8, 2009

Mr. Mark Alexander Roy, AICP  
Project Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Mark Alexander Roy

**Subject: Early Consultation Request for Proposed Haiku Fire Station and Related Improvements at TMK (2)2-7-007:008 (Por.), Haiku, Maui, Hawaii**

The Department has reviewed the Early Consultation Request for the above subject project. Based on our review, we have determined that the subject project is not subject to chapter 2.96, Maui County Code. At the present time, the Department has no additional comments to offer.

Please call Ms. Cara Bohne of our Housing Division at 270-5748 if you have any questions.

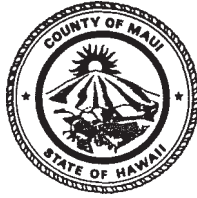
Sincerely,

WAYDE T. OSHIRO  
Housing Administrator

cc: Director of Housing and Human Concerns



CHARMAINE TAVARES  
Mayor



**DEPARTMENT OF PARKS & RECREATION**

700 Hali'a Nako'a Street, Unit 2, Wailuku, Hawaii 96793

DEC 11 2009

TAMARA HORCAJO  
Director

ZACHARY Z. HELM  
Deputy Director

(808) 270-7230  
FAX (808) 270-7934

December 7, 2009

Mr. Mark Alexander Roy, AICP  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

**SUBJECT: Early Consultation Request for Proposed Haiku Fire Station and Related Improvements at TMK: 2-7-007:008 (Por.), Haiku, Maui, Hawaii**

Dear Mr. Roy:

We have reviewed the proposed subject project and have no comments or objections to the proposed project.

Thank you for the opportunity to review and comment on this matter. Please feel free to contact me or Mr. Robert Halvorson, CIP Coordinator, Planning and Development Division at 270-8017 should you have any other questions.

Sincerely,

TAMARA HORCAJO  
Director of Parks & Recreation

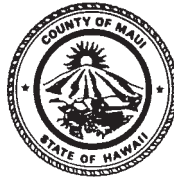
c: Patrick Matsui, Chief of Parks Planning and Development

TH:RH:do

CHARMAINE TAVARES  
Mayor

JEFFREY S. HUNT  
Director

KATHLEEN ROSS AOKI  
Deputy Director



DEC 18 2009

COUNTY OF MAUI  
**DEPARTMENT OF PLANNING**

December 15, 2009

Mr. Mark Roy, AICP  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

**SUBJECT: PRE-CONSULTATION COMMENTS IN PREPARATION OF A DRAFT ENVIRONMENTAL ASSESSMENT (EA) FOR THE PROPOSED HAIKU FIRE STATION AND RELATED IMPROVEMENTS LOCATED MAUKA OF HANA HIGHWAY AT EAST KUIAHA ROAD, HAIKU, MAUI, HAWAII; TMK: (2) 2-7-007:008 (POR.) (EAC 2009/0044)**

The Department of Planning (Department) is in receipt of the above-referenced request for early consultation comments for the Haiku Fire Station Draft EA. The Department understands the proposed action includes the following:

- The Applicant is County of Maui, Department of Fire and Public Safety and the project is proposed on land owned by the County of Maui;
- The project will consist of administrative, vehicle storage, and utility buildings on approximately 6.1 acres; and
- The fire station will be designed to U.S. Green Building Council's LEED green building rating system.

Based on the foregoing, the Department provides the following comments in preparation of the Draft EA:

1. The land use designations for the project area are as follows:
  - State Land Use: Agriculture
  - Paia-Haiku Community Plan: Agriculture
  - County Zoning: Agriculture
  - Other: Outside the Special Management Area (SMA)

Please have these designations confirmed through the Department's Zoning Administration and Enforcement Division (ZAED) via a Zoning and Flood Confirmation Form.

Mr. Mark Roy, AICP  
December 15, 2009  
Page 2

2. The Department concurs that the proposed Community Plan Amendment and use of county funds and lands are "triggers" that require compliance with Chapter 343, Hawaii Revised Statutes (HRS);
3. If the fire station is to be built on State Agricultural land, a Land Use Commission Special Use Permit would be required to be processed through the Maui Planning Commission (Commission) or a Land Use District Boundary Reclassification to Rural or Urban and a Change in Zoning to Public/Quasi-Public would be obtained;
4. Please provide the level of LEEDS certification you plan to pursue and describe in detail how you plan to achieve this level. This will prove helpful when your project goes before the Commission;
5. Please note that the Department is currently revising Chapter 19.31, Public/Quasi-Public Districts of the Maui County Code. It may prove prudent to contact the Department's Administrative Planning Officer Joseph Alueta at (808) 270-7735 to obtain a draft copy of the proposed revisions. It is likely the code revisions will be processed before your proposal is processed and you would be subject to these revisions; and
6. The County owned parcel is 27.9 acres in size. Provide some information on future uses of the rest of the parcel not to be utilized for the proposed fire station. Maybe the entire 27.9 acres should be re-designated concurrently rather than piece-emailing future re-designations.

Thank you for the opportunity to comment. Should you require further clarification, please contact Staff Planner Joseph Prutch at [joseph.prutch@mauicounty.gov](mailto:joseph.prutch@mauicounty.gov) or at 270-7512.

Sincerely,



CLAYTON I. YOSHIDA, AICP  
Planning Program Administrator

for JEFFREY S. HUNT, AICP  
Planning Director

xc: Joseph M. Prutch, Staff Planner  
Joseph W. Alueta, Administrative Planning Officer  
EAC File  
General File

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MICHAEL T. MUNEKIYO  
GWEN OHASHI HIRAGA  
MITSURU "MICH" HIRANO  
KARLYNN FUKUDA

MARK ALEXANDER ROY

December 7, 2010

Kathleen Aoki, Director  
**Department of Planning**  
County of Maui  
250 South High Street  
Wailuku, Hawaii 96793

**SUBJECT:** Proposed Haiku Fire Station and Related Improvements at TMK  
(2)2-7-007:008 (por.), Haiku, Maui

Dear Ms. Aoki:

Thank you for your letter dated December 15, 2009, responding to our Chapter 343, Hawaii Revised Statutes (HRS) early consultation request for the subject project. On behalf of the applicant, the County of Maui, Department of Fire and Public Safety (DF&PS), we offer the following information in response to the comments noted in your letter:

**Comment No. 1:**

*The land use designations for the project area are as follows:*

- *State Land Use: Agriculture*
- *Paia-Haiku Community Plan: Agriculture*
- *County Zoning: Agriculture*
- *Other: Outside the Special Management Area (SMA)*

*Please have these designations confirmed through the Department's Zoning Administration and Enforcement Division (ZAED) via a Zoning and Flood Confirmation Form.*

**Response:** We note the information on land use designations provided in your comment. A Zoning and Flood Confirmation Form has been completed for confirmation of these designations.

**Comment No. 2:**

*The Department concurs that the proposed Community Plan Amendment and use of county funds and lands are "triggers" that require compliance with Chapter 343, Hawaii Revised Statutes (HRS);*

**Response:** We acknowledge your comment. These triggers of the Chapter 343, HRS process will be discussed in the Draft EA.

**Comment No. 3:**

*If the fire station is to be built on State Agricultural land, a Land Use Commission Special Use Permit would be required to be processed through the Maui Planning Commission (Commission) or a Land Use District Boundary Reclassification to Rural or Urban and a Change in Zoning to Public/Quasi-Public would be obtained;*

**Response:** We note your comment regarding the land use entitlements required for the proposed project to proceed. Based on previous discussions with the Department of Planning (Department), it is our understanding that applications for District Boundary Amendment, Community Plan Amendment and Change in Zoning will be initiated by the Department of Planning for the project.

**Comment No. 4:**

*Please provide the level of LEEDS certification you plan to pursue and describe in detail how you plan to achieve this level. This will prove helpful when your project goes before the Commission;*

**Response:** The DF&PS is currently pursuing the Platinum rating under the Leadership in Energy and Environmental Design (LEED) certification process. This is the highest LEED rating currently available. A number of sustainable design strategies will be implemented within the scope of the project in pursuit of the LEED Platinum objective for the project. Such strategies include, but are not limited to, energy efficiency, onsite renewable energy using photovoltaics/wind turbines, innovative wastewater treatment technologies, water efficiency, and construction waste diversion away from landfills. A description of the sustainable design considerations for the project will be included in the Draft EA.

**Comment No. 5:**

*Please note that the Department is currently revising Chapter 19.31, Public/Quasi-Public Districts of the Maui County Code. It may prove prudent to contact the Department's Administrative Planning Officer Joseph Alueta at (808) 270-7735 to obtain a draft copy of the proposed revisions. It is likely the code revisions will be processed before your proposal is processed and you would be subject to these revisions; and*

**Response:** We acknowledge your comment and as part of this response respectfully request that a copy of the draft revisions proposed for Chapter 19.31, Public/Quasi-Public Districts of the Maui County Code (MCC) be provided to the DF&PS for review.

**Comment No. 6:**

*The County owned parcel is 27.9 acres in size. Provide some information on future uses of the rest of the parcel not to be utilized for the proposed fire station. Maybe the entire 27.9 acres should be re-designated concurrently rather than piece-emailing future re-designations.*

**Response:** We note your comment. At this time the applicant has no definitive plans for future uses of the remaining portions of the subject parcel and, as such, will be limiting the scope of land use entitlement applications for the subject project, to just the 6.1-acre project site.

We appreciate the input provided by your office and will include a copy of your letter in the Draft EA for the project.

Kathleen Aoki, Director  
December 7, 2010  
Page 4

Should you have any questions, please do not hesitate to contact me at 244-2015.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Mark Alexander Roy', with several horizontal strokes underneath.

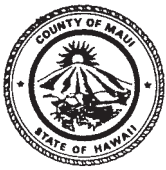
Mark Alexander Roy, AICP  
Program Manager

MAR:yp

cc: Lee Mainaga, County of Maui, Department of Fire and Public Safety  
Wendy Taomoto, County of Maui, Department of Management  
Terry McFarland, Architects Hawaii Limited

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DEC 07 2009



**POLICE DEPARTMENT**  
COUNTY OF MAUI



**CHARMAINE TAVARES**  
MAYOR

OUR REFERENCE  
YOUR REFERENCE

55 MAHALANI STREET  
WAILUKU, HAWAII 96793  
(808) 244-6400  
FAX (808) 244-6411

**GARY A. YABUTA**  
CHIEF OF POLICE

**CLAYTON N.Y.W. TOM**  
DEPUTY CHIEF OF POLICE

November 27, 2009

Mr. Mark Alexander Roy, AICP  
Project Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, HI 96793

Dear Mr. Roy:

**SUBJECT:** Early Consultation Request for Proposed Haiku Fire Station and Related Improvements at TMK (2) 2-7-007:008 (Por.), Haiku

Thank you for your letter of November 17, 2009, requesting comments on the above subject.

We have reviewed the information submitted for this project and have enclosed a copy of our comments. Thank you for giving us the opportunity to comment on this project.

Very truly yours,

A handwritten signature in black ink, appearing to read "Danny Matsuura".

Assistant Chief Danny J. Matsuura  
for: Gary A. Yabuta  
Chief of Police

c: Jeffrey Hunt, Planning Department



COPY

TO : GARY YABUTA, CHIEF OF POLICE, COUNTY OF MAUI  
 VIA : CHANNELS *Concun w/ Sgt. Orikasa*  
 FROM : STEPHEN ORIKASA, ADMINISTRATIVE SERGEANT, WAILUKU PATROL DIVISION *11/24/09*  
 SUBJECT : RESPONSE TO A REQUEST FOR COMMENTS REGARDING THE PROPOSED HAIKU FIRE STATION PROJECT

This communication is submitted as a response to a request for early consultation comments, by Munekiyo & Hiraga, Inc., Project Manager, Mr. Mark Alexander Roy, AICP, regarding the following subject;

SUBJECT : Early Consultation Request for Proposed Haiku Fire Station and Related Improvements at TMK (2) 2-7-007:008 (Por.), Haiku, Maui, Hawaii

**RESPONSE:**

In review of the submitted documents, the focus from the police perspective would be upon the safety of pedestrian and vehicular movement.

The ingress and egress locations appear to be at a reasonable location as to not adversely impact the existing normal vehicular movement. Parking also appears to be adequate for the buildings proposed usage and additional vehicular movement should not have a significant impact upon existing service levels.

During the construction phases, extreme efforts should be made to minimize noise, dust & debris so not to inhibit those whose health and well being may be affected. Adequate traffic control devices and personnel should also be utilized to minimize the impact of heavy equipment and vehicles traveling in and out of the area.

**CONCLUSION:**

There are no objections to the progression of this project at this time. Although, it is of utmost importance to be cognizant of any health and safety impacts, directly and indirectly, which may arise from this project.

Respectfully submitted for your review and approval.

*[Signature]*  
 Stephen T. Orikasa E#716  
 Administrative Sergeant/Wailuku Patrol Division  
 11/24/09 @ 0830 Hours

*Concun. with Sgt. Orikasa's comments - no major concerns with the proposed plans.*

*Capt. J. [Signature] 11/25/09 1000 hrs.*



MICHAEL T. MUNEKIYO  
GWEN OHASHI HIRAGA  
MITSURU "MICH" HIRANO  
KARLYNN FUKUDA

MARK ALEXANDER ROY

December 7, 2010

Gary Yabuta, Chief of Police  
**Police Department**  
County of Maui  
55 Mahalani Street  
Wailuku, Hawaii 96793

**SUBJECT:** Proposed Haiku Fire Station and Related Improvements at TMK (2)2-7-007:008 (por.), Haiku, Maui

Dear Mr. Yabuta:

Thank you for your letter dated November 27, 2009, responding to our Chapter 343, Hawaii Revised Statutes (HRS) early consultation request for the subject project. On behalf of the applicant, the County of Maui, Department of Fire and Public Safety, we offer the following information in response to the comments noted in your letter:

**Comment No. 1:**

*The ingress and egress locations appear to be at a reasonable location as to not adversely impact the existing normal vehicular movement. Parking also appears to be adequate for the buildings proposed usage and additional vehicular movement should not have a significant impact upon existing service levels.*

**Response:** We note the comments from your Department that parking and vehicular movements at the project site should not have a significant impact on existing service levels along Hana Highway and East Kuiaha Road. We look forward to your continued support and cooperation in completion of this project.

**Comment No. 2:**

*During the construction phases, extreme efforts should be made to minimize noise, dust & debris so not to inhibit those whose health and well being may be affected. Adequate traffic control devices and personnel should also be utilized to minimize the impact of heavy equipment and vehicles traveling in and out of the area.*

Gary Yabuta, Chief of Police  
December 7, 2010  
Page 2

**Response:** The applicant will ensure that traffic control devices and personnel will be utilized during construction to minimize the impacts of large equipment traveling in and out of the area. Best Management Practices (BMPs) developed by the project's civil engineer will also be implemented to minimize dust and debris which may result during construction of the project.

We appreciate the input provided by your office and will include a copy of your letter in the Draft Environmental Assessment (EA) for the project.

Should you have any questions, please do not hesitate to contact me at 244-2015.

Very truly yours,



Mark Alexander Roy, AICP  
Program Manager

MAR:yp

cc: Lee Mainaga, County of Maui, Department of Fire and Public Safety  
Wendy Taomoto, County of Maui, Department of Management  
Kathleen Aoki, County of Maui, Department of Planning  
Terry McFarland, Architects Hawaii Limited  
Diane Kodama, AECOM Pacific, Inc.

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DEC 17 2009

RALPH NAGAMINE, L.S., P.E.  
Development Services Administration

CARY YAMASHITA, P.E.  
Engineering Division

BRIAN HASHIRO, P.E.  
Highways Division



COUNTY OF MAUI  
**DEPARTMENT OF PUBLIC WORKS**  
200 SOUTH HIGH STREET, ROOM NO. 434  
WAILUKU, MAUI, HAWAII 96793

December 14, 2009

Mr. Mark Alexander Roy, A.I.C.P.  
MUNEKIYO & HIRAGA, INC.  
305 High Street, Suite 104  
Wailuku, Maui, Hawaii 96793

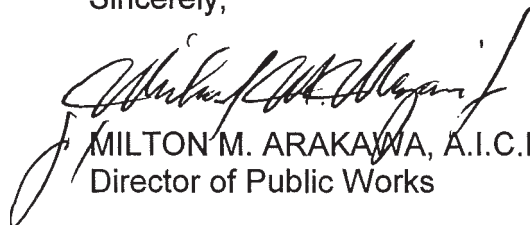
Dear Mr. Roy:

**SUBJECT: EARLY CONSULTATION REQUEST FOR PROPOSED  
HAIKU FIRE STATION AND RELATED IMPROVEMENTS;  
TMK: (2) 2-7-007:008 (POR.)**

We reviewed your early consultation request and have no comments to offer at this time.

Please call Michael Miyamoto at 270-7845 if you have any questions regarding this letter.

Sincerely,



MILTON M. ARAKAWA, A.I.C.P.  
Director of Public Works

MMA:MMM:ls

xc: Highways Division  
Engineering Division

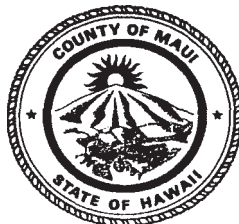
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JAN 27 2010

CHARMAINE TAVARES  
Mayor

CHERYL K. OKUMA, Esq.  
Director

GREGG KRESGE  
Deputy Director



TRACY TAKAMINE, P.E.  
Solid Waste Division

DAVID TAYLOR, P.E.  
Wastewater Reclamation  
Division

**COUNTY OF MAUI  
DEPARTMENT OF  
ENVIRONMENTAL MANAGEMENT**

2200 MAIN STREET, SUITE 100  
WAILUKU, MAUI, HAWAII 96793

January 25, 2010

Mr. Mark Alexander Roy  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

**SUBJECT: HAIKU FIRE STATION AND RELATED IMPROVEMENTS  
EARLY CONSULTATION  
TMK (2) 2-7-007:008, HAIKU**

We reviewed the subject project as a pre-application consultation and have the following comments:

1. Solid Waste Division comments:
  - a. Include options for construction waste disposal/recycling/reuse in the discussion of potential impacts and mitigation measures.
2. Wastewater Reclamation Division (WWRD) comments:
  - a. None. There is no County wastewater system in the area of the subject project.

If you have any questions regarding this memorandum, please contact Gregg Kresge at 270-8230.

Sincerely,

A handwritten signature in black ink that reads "Cheryl K. Okuma".

Cheryl K. Okuma, Director



MICHAEL T. MUNEKIYO  
GWEN OHASHI HIRAGA  
MITSURU "MICH" HIRANO  
KARLYNN FUKUDA

MARK ALEXANDER ROY

December 7, 2010

Cheryl Okuma, Director  
**Department of Environmental Management**  
County of Maui  
2200 Main Street, Suite 100  
Wailuku, Hawaii 96793

SUBJECT: Proposed Haiku Fire Station and Related Improvements at TMK  
(2)2-7-007:008 (por.), Haiku, Maui

Dear Ms. Okuma:

Thank you for your letter dated January 25, 2010, responding to our Chapter 343, Hawaii Revised Statutes (HRS) early consultation request for the subject project. On behalf of the applicant, the County of Maui, Department of Fire and Public Safety, we offer the following information in response to the comments noted in your letter:

**Comment No. 1 (Solid Waste Division):**

*Include options for construction waste disposal/recycling/reuse in the discussion of potential impacts and mitigation measures.*

**Response:** The applicant acknowledges your comment. A Construction Waste Management Plan will be prepared for the project prior to initiation of construction. It is anticipated that existing concrete slabs, walkways, and driveways present on the project site will be crushed and reused on site for fill and/or base course. Other items that are not anticipated to be reused will be diverted away from the landfill or recycled. Diverted items may be reused by other projects should they be deemed fit for reuse. In addition, the applicant will be using Leadership in Energy and Environmental Design (LEED) guidelines on construction waste management and will be aiming at a possible diversion target of 50 percent of demolition and construction waste away from landfills and incineration. A summary of these and other solid waste management measures being evaluated for implementation in the project, will be included in the Draft Environmental Assessment (EA).

Cheryl Okuma, Director  
December 7, 2010  
Page 2

**Comment No. 2 (Wastewater Reclamation Division):**

*None. There is no County wastewater system in the area of the subject project*

**Response:** We note your comment that there is no County wastewater system in the area of the subject project. In this regard, an ecological wastewater treatment system and water reuse plan is being proposed for the new fire station. Details regarding this system will be included in the Draft EA,

We appreciate the input provided by your office and will include a copy of your letter in the Draft EA for the project.

Should you have any questions, please do not hesitate to contact me at 244-2015.

Very truly yours,



Mark Alexander Roy, AICP  
Program Manager

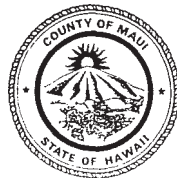
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cc: Lee Mainaga, County of Maui, Department of Fire and Public Safety  
Wendy Taomoto, County of Maui, Department of Management  
Kathleen Aoki, County of Maui, Department of Planning  
Terry McFarland, Architects Hawaii Limited

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NOV 3 0 2009

CHARMAINE TAVARES  
MAYOR



DON A. MEDEIROS  
Director  
WAYNE A. BOTEILHO  
Deputy Director  
Telephone (808) 270-7511  
Facsimile (808) 270-7505

DEPARTMENT OF TRANSPORTATION

COUNTY OF MAUI  
200 South High Street  
Wailuku, Hawaii, USA 96793-2155

November 24, 2009

Mr. Mark Alexander Roy  
Munekiyo & Hiraga Inc.  
305 High Street, Suite 104  
Wailuku, Maui, Hawaii 96793

Subject: Haiku Fire Station

Dear Mr. Roy,

Thank you for the opportunity to comment on this project. We have no comments to make at this time.

Please feel free to contact me if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Don Medeiros", is written over a horizontal line.

Don Medeiros  
Director



CHARMAINE TAVARES  
Mayor



JEFFREY K. ENG  
Director

ERIC H. YAMASHIGE, P.E., L.S.  
Deputy Director

## DEPARTMENT OF WATER SUPPLY

COUNTY OF MAUI

200 SOUTH HIGH STREET  
WAILUKU, MAUI, HAWAII 96793-2155  
www.mauiwater.org

December 4, 2009

Munekiyo & Hiraga, Inc.  
Mr. Mark Alexander Roy, AICP, Project Manager  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

RE: Project Name: Proposed Haiku Fire Station and Related Improvements  
Applicant: Department of Fire and Public Safety, County of Maui  
Permit I.D.: Early Consultation Request  
TMK: (2) 2-7-007:008 (por.)

Thank you for the opportunity to comment on this early consultation request.

### Source Availability and Consumption

The project site is within the Department of Water Supply's Haiku service area.

The project site covers approximately 6.1 acres located within a County property of 27.9 acres. One 5/8-inch water meter is located on the property. The property also has water meter reservations for 3 (three) 5/8-inch water meters for a subdivision.

### System Infrastructure

There is a 6-inch waterline and a fire hydrant located more than 1,000 feet from the project site on East Kuiaha Road near the east end of the County property. Storage is provided by the 0.5 million gallon (MG) Kaupakalua tank. These are inadequate for the proposed project.

The project scope proposes the installation of approximately 4,200 feet of waterline, beginning at a location approximately 2,300 feet south of the project site, to address domestic use and fire protection concerns.

During the building permit process, the applicant will be required to submit domestic, irrigation and fire flow calculations to determine water meter capacity and adequate fire protection. Approved fire flow calculation methods currently used by the Department of

*"By Water All Things Find Life"*

Water Supply are the "Guidance for Determination of Required Fire Flow" as published by the Insurance Services Office in 1974, 2001 and 2006, or "Fire Flow" as published by the Hawaii Insurance Bureau in 1991. Also required is the installation of a reduced pressure back-flow prevention device, approved by the DWS. For more information or clarification on the device, please contact our Engineering Division at 270-7835 or our Backflow and Cross-Connection Control Section at 270-6132.

### **Pollution Prevention**

The site overlies the Haiku aquifer which has a sustainable yield of 27 million gallons per day. The Department of Water Supply's goal is to protect the integrity of surface and groundwater resources. To achieve this, mitigation measures must be implemented to prevent any water pollution related impacts. Best management practices for construction should, therefore, be applied.

### **Conservation Measures**

The Department of Water Supply encourages the applicant to consider the following conservation measures in the project design, as well as during construction:

1. Utilize reclaimed or non-potable water for dust control, irrigation and other non-potable uses.
2. Water after 7:00 p.m. at night and before 10:00 a.m. in the morning.
3. Utilize low-flow fixtures and devices - Maui County Code Subsection 16.20A.680 requires the use of low-flow fixtures and devices in faucets, showerheads, urinals, water closets and hose bibs. Even more efficient and consumer tested models are available. Check WaterSense listings at <http://www.epa.gov/watersense/pp/index.htm> for efficient fixture listings when buying or replacing fixtures.
4. Prevent over-Watering by automated systems - Provide rain-sensors on all automated irrigation controllers. Check and reset controllers at least once a month to reflect the monthly changes in evaporation rates at the site. As an alternative, provide more automated, soil-moisture sensors on controllers.
5. Maintain fixtures to prevent leaks - A simple, regular program of repair and maintenance can prevent the loss of hundreds or even thousands of gallons per day.
6. Limit irrigated turf - Low-water use shrubs and ground cover can be equally attractive and require substantially less water than turf.
7. Select climate adapted native plant species for landscaping - Native plants adapted to the area conserve water and protect the watershed from degradation due to invasive alien species.
8. Look for opportunities to conserve water - Here are a few samples: 1) When clearing debris, use a broom instead of a hose and water; 2) Check for leaks in pipes, faucets and toilets.

Mr. Mark Alexander Roy  
Page 3  
December 4, 2009

Should you have any questions, please contact our Water Resources & Planning Division at 244-8550.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeffrey K. Eng". The signature is stylized and cursive.

JEFFREY K. ENG, DIRECTOR

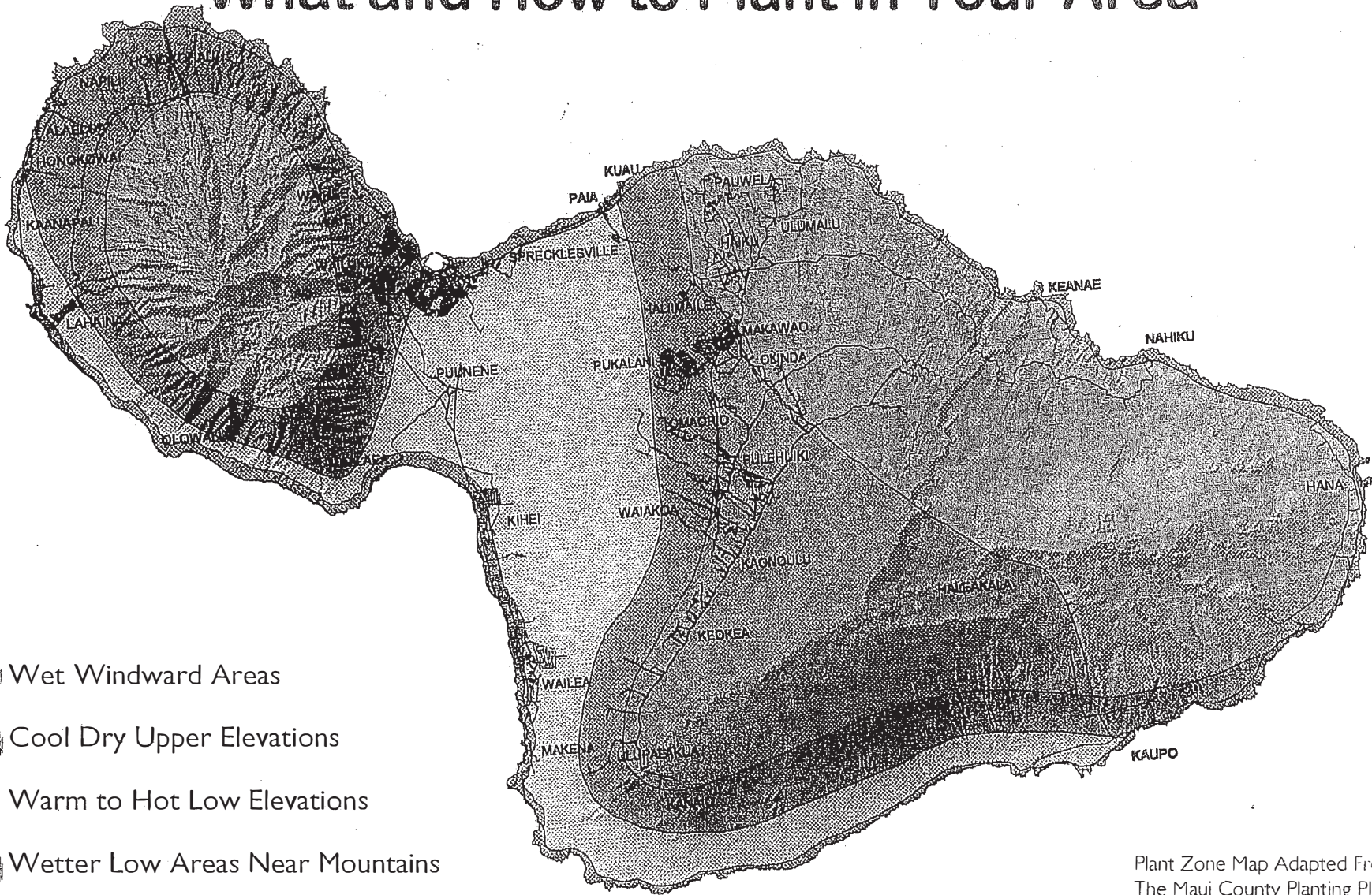
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Enclosures: Maui County Planting Plan - Saving Water in the Yard - What and How to  
Plant in your Area

c: DWS Engineering Division  
WRPD Project File  
WRPD Reading File

# Saving Water in The Yard

## What and How to Plant in Your Area



- 1 Wet Windward Areas
- 2 Cool Dry Upper Elevations
- 3 Warm to Hot Low Elevations
- 4 Wetter Low Areas Near Mountains
- 5 Windward Coastal Salt Spray Zones

Plant Zone Map Adapted From  
The Maui County Planting Plan

Tips From The Maui County Department of Water Supply  
*By Water All Things Find Life*

# Zone-specific Native and Polynesian plants for Maui County

# Zone 1

TYPE:      F Fern      G Grass      Gr Ground Cover      Sh Shrub      P Palm      S Sedge      Tr Tree      V Vine

Type	Scientific Name	Common Name	Height	Spread	Elevation	Water req.
F	<i>Psilotum nudum</i>	moa, moa kula	1'	1'	sea to 3,000'	Dry to Wet
F	<i>Sadleria cyatheoides</i>	'ama'u, ama'uma'u				
Gr - Sh	<i>Lipochaeta succulenta</i>	nehe	2'	5'	sea to 1,000'	Dry to Wet
P	<i>Cocos nucifera</i>	coconut, niu	100'	30'	sea to 1,000'	Dry to Wet
P	<i>Pritchardia arecina</i>	lo'ulu, hawane	40'	10'	1,000' to 3,000'	Dry to Wet
P	<i>Pritchardia forbesiana</i>	lo'ulu	15'			
P	<i>Pritchardia hillebrandii</i>	lo'ulu, fan palm	25'	15'	sea to 1,000'	Dry to Wet
S	<i>Mariscus javanicus</i>	marsh cypress, 'ahu'awa	0.5'	0.5'	sea to 1,000'	Dry to Medium
Sh	<i>Bidens hillebrandiana</i> ssp. <i>hillebrandiana</i>	ko'oko'olau	1'	2'	sea to 1,000'	Dry to Wet
Sh	<i>Cordyline fruticosa</i>	ti, ki	6'			
Sh	<i>Hedyotis</i> spp.	au, pilo	3'	2'	1,000' to 3,000'	Dry to Wet
Sh - Tr	<i>Broussonetia papyrifera</i>	wauke, paper mulberry	8'	6'	sea to 1,000'	Dry to Medium
Tr	<i>Acacia koa</i>	koa	50' - 100'	40' - 80'	1,500' to 4,000'	Dry to Medium
Tr	<i>Aleurites moluccana</i>	candlenut, kukui	50'	50'	sea to 3,000'	Medium to Wet
Tr	<i>Calophyllum inophyllum</i>	kamani, alexandrian laurel	60'	40'	sea to 3,000'	Medium to Wet
Tr	<i>Charpentiera obovata</i>		15'			
Tr	<i>Cordia subcordata</i>	kou	30'	25'	sea to 1,000'	Dry to Wet
Tr	<i>Hibiscus furcellatus</i>	'akiohala, hau-hele	8'			
Tr	<i>Metrosideros polymorpha</i> var. <i>macrophylla</i>	ohi'a lehua	25'	25'	sea to 1,000'	Dry to Wet
Tr	<i>Morinda citrifolia</i>	indian mulberry, noni	20'	15'	sea to 1,000'	Dry to Wet
Tr	<i>Pandanus tectorius</i>	hala, puhala (HALELIST)	35'	25'	sea to 1,000'	Dry to Wet
V	<i>Alyxia oliviformis</i>	maile	Vine		sea to 6,000'	Medium to Wet

# Zone-specific Native and Polynesian plants for Maui County

# Zone 2

TYPE:      F Fern      G Grass      Gr Ground Cover      Sh Shrub      P Palm      S Sedge      Tr Tree      V Vine

Type	Scientific Name	Common Name	Height	Spread	Elevation	Water req.
F	<i>Psilotum nudum</i>	moa, moa kula	1'	1'	sea to 3,000'	Dry to Wet
F	<i>Sadleria cyatheoides</i>	'ama'u, ama'uma'u				
G	<i>Eragrostis monticola</i>	kalamalo	1'	2'	sea to 3,000'	Dry to Medium
Gr	<i>Ipomoea tuboides</i>	Hawaiian moon flower, 'uala	1'	10'	sea to 3,000'	Dry to Medium
Gr	<i>Peperomia leptostachya</i>	'ala'ala-wai-nui	1'	1'	sea to 3,000'	Dry to Medium
Gr	<i>Plumbago zeylanica</i>	'ilie'e	1'			
Gr - Sh	<i>Hibiscus calyphyllus</i>	ma'o hau hele, Rock's hibiscus	3'	2'	sea to 3,000'	Dry to Medium
Gr - Sh	<i>Lipochaeta rockii</i>	nehe	2'	2'	sea to 3,000'	Dry to Medium
Sh	<i>Argemone glauca</i> var. <i>decepiens</i>	pua kala	3'	2'	sea to 3,000'	Dry to Medium
Sh	<i>Artemisia mauiensis</i> var. <i>diffusa</i>	Maui wormwood, 'ahinahina	2'	3'	1,000' to higher	Dry to Medium
Sh	<i>Chenopodium oahuense</i>	'aheahea, 'aweoweo	6'		sea to higher	Dry to Medium
Sh	<i>Dianella sandwicensis</i>	'uki	2'	2'	1,000' to higher	Dry to Medium
Sh	<i>Lipochaeta lavarum</i>	nehe	3'	3'	sea to 3,000'	Dry to Medium
Sh	<i>Osteomeles anthyllidifolia</i>	'ulei, eluehe	4'	6'	sea to 3,000'	Dry to Medium
Sh	<i>Senna gaudichaudii</i>	kolomana	5'	5'	sea to 3,000'	Dry to Medium
Sh	<i>Styphelia tameiameia</i>	pukiawe	6'	6'	1,000' to higher	Dry to Medium
Sh	<i>Vitex rotundifolia</i>	pohinahina	3'	4'	sea to 1,000'	Dry to Medium
Sh - Tr	<i>Myoporum sandwicense</i>	naio, false sandalwood	10'	10'	sea to higher	Dry to Medium
Sh - Tr	<i>Nototrichium sandwicense</i>	kulu'i	8'	8'	sea to 3,000'	Dry to Medium
Sh-Tr	<i>Dodonaea viscosa</i>	'a'ali'i	6'	8'	sea to higher	Dry to Medium
Tr	<i>Acacia koa</i>	koa	50' - 100'	40' - 80'	1,500' to 4,000'	Dry to Medium
Tr	<i>Charpentiera obovata</i>		15'			
Tr	<i>Erythrina sandwicensis</i>	wiliwili	20'	20'	sea to 1,000'	Dry
Tr	<i>Metrosideros polymorpha</i> var. <i>macrophylla</i>	ohi'a lehua	25'	25'	sea to 1,000'	Dry to Wet

## Zone-specific Native and Polynesian plants for Maui County

Zone 2

Type	Scientific Name	Common Name	Height	Spread	Elevation	Water req.
Tr	<i>Nestegis sandwicensis</i>	olopua	15'	15'	1,000' to 3,000'	Dry to Medium
Tr	<i>Pleomele auwahiensis</i>	halapepe	20'			
Tr	<i>Rauvolfia sandwicensis</i>	hao	20'	15'	sea to 3,000'	Dry to Medium
Tr	<i>Santalum ellipticum</i>	coastal sandalwood, 'ili-ahi	8'	8'	sea to 3,000'	Dry to Medium
Tr	<i>Sophora chrysophylla</i>	mamane	15'	15'	1,000' to 3,000'	Medium
V	<i>Alyxia oliviformis</i>	maile	Vine		sea to 6,000'	Medium to Wet

# Zone-specific Native and Polynesian plants for Maui County

## Zone 3

**TYPE:**      F Fern      G Grass      Gr Ground Cover      Sh Shrub      P Palm      S Sedge      Tr Tree      V Vine

Type	Scientific Name	Common Name	Height	Spread	Elevation	Water req.
F	<i>Psilotum nudum</i>	moa, moa kula	1'	1'	sea to 3,000'	Dry to Wet
G	<i>Colubrina asiatica</i>	'anapanapa	3'	10'	sea to 1,000'	Dry to Wet
G	<i>Eragrostis monticola</i>	kalamalo	1'	2'	sea to 3,000'	Dry to Medium
G	<i>Eragrostis variabilis</i>	'emo-loa	1'	2'	sea to 3,000'	Dry to Medium
G	<i>Fimbristylis cymosa</i> ssp. <i>spathacea</i>	mau'u'aki'aki fimbristylis	0.5'	1'	sea to 1,000'	Dry to Medium
Gr	<i>Boerhavia repens</i>	'alena	0.5'	4'	sea to 1,000'	Dry to Medium
Gr	<i>Chamaesyce celastroides</i> var. <i>laehiensis</i>	'akoko	2'	3'	sea to 1,000'	Dry to Medium
Gr	<i>Cressa truxillensis</i>	cressa	0.5'	1'	sea to 1,000'	Dry to Medium
Gr	<i>Heliotropium anomalum</i> var. <i>argenteum</i>	hinahina ku kahakai	1'	2'	sea to 1,000'	Dry to Medium
Gr	<i>Ipomoea tuboides</i>	Hawaiian moon flower, uala	1'	10'	sea to 3,000'	Dry to Medium
Gr	<i>Jacquemontia ovalifolia</i> ssp. <i>sandwicensis</i>	pa'u o hi'iaka	0.5'	6'	sea to 1,000'	Dry to Medium
Gr	<i>Lipochaeta integrifolia</i>	nehe	1'	5'	sea to 1,00'	Dry to Medium
Gr	<i>Peperomia leptostachya</i>	'ala'ala-wai-nui	1'	1'	sea to 3,000'	Dry to Medium
Gr	<i>Plumbago zeylanica</i>	'ilie'e	1'			
Gr	<i>Sesuvium portulacastrum</i>	'akulikuli, sea-purslane	0.5'	2'	sea to 1,000'	Dry to Wet
Gr	<i>Sida fallax</i>	'ilima	0.5'	3'	sea to 1,000'	Dry to Medium
Gr	<i>Tephrosia purpurea</i> var. <i>purpurea</i>	'auhuhu	2'	2'	sea to 1,000'	Dry to Medium
Gr - Sh	<i>Hibiscus calyphyllus</i>	ma'o hau hele, Rock's hibiscus	3'	2'	sea to 3,000'	Dry to Medium
Gr - Sh	<i>Lipochaeta rockii</i>	nehe	2'	2'	sea to 3,000'	Dry to Medium
Gr - Sh	<i>Lipochaeta succulenta</i>	nehe	2'	5'	sea to 1,000'	Dry to Wet
Gr - Sh	<i>Lycium sandwicense</i>	'ohelo-kai, 'ae'ae	2'	2'	sea to 1,000'	Dry to Medium
P	<i>Cocos nucifera</i>	coconut, niu	100'	30'	sea to 1,000'	Dry to Wet
P	<i>Pritchardia hillebrandii</i>	lo'ulu, fan palm	25'	15'	sea to 1,000'	Dry to Wet
S	<i>Marsicus javanicus</i>	marsh cypress, 'ahu'awa	0.5'	0.5'	sea to 1,000'	Dry to Medium



## Zone-specific Native and Polynesian plants for Maui County

Zone 3

Type	Scientific Name	Common Name	Height	Spread	Elevation	Water req.
Sh	<i>Argemone glauca</i> var. <i>decipiens</i>	pua kala	3'	2'	sea to 3,000'	Dry to Medium
Sh	<i>Bidens mauiensis</i>	ko'oko'olau	1'	3'	sea to 1,000'	Dry to Medium
Sh	<i>Bidens menziesii</i> ssp. <i>menziesii</i>	ko'oko'olau	1'	3'		
Sh	<i>Bidens micrantha</i> ssp. <i>micrantha</i>	ko'oko'olau	1'	3'		
Sh	<i>Chenopodium oahuense</i>	'aheahea, 'aweoweo	6'		sea to higher	Dry to Medium
Sh	<i>Dianella sandwicensis</i>	'uki	2'	2'	1,000' to higher	Dry to Medium
Sh	<i>Gossypium tomentosum</i>	mao, Hawaiian cotton	5'	8'	sea to 1,000'	Dry to Medium
Sh	<i>Hedyotis</i> spp.	au, pilo	3'	2'	1,000' to 3,000'	Dry to Wet
Sh	<i>Lipochaeta lavarum</i>	nehe	3'	3'	sea to 3,000'	Dry to Medium
Sh	<i>Osteomeles anthyllidifolia</i>	'ulei, eluehe	4'	6'	sea to 3,000'	Dry to Medium
Sh	<i>Scaevola sericea</i>	naupaka, naupaka-kahakai	6'	8'	sea to 1,000'	Dry to Medium
Sh	<i>Senna gaudichaudii</i>	kolomana	5'	5'	sea to 3,000'	Dry to Medium
Sh	<i>Solanum nelsonii</i>	'akia, beach solanum	3'	3'	sea to 1,00'	Dry to Medium
Sh	<i>Styphelia tameiameia</i>	pukiawe	6'	6'	1,000' to higher	Dry to Medium
Sh	<i>Vitex rotundifolia</i>	pohinahina	3'	4'	sea to 1,000'	Dry to Medium
Sh	<i>Wikstroemia uva-ursi kauaiensis kauaiensis</i>	'akia, Molokai osmanthus				
Sh - Tr	<i>Broussonetia papyrifera</i>	wauke, paper mulberry	8'	6'	sea to 1,000'	Dry to Medium
Sh - Tr	<i>Myoporum sandwicense</i>	naio, false sandalwood	10'	10'	sea to higher	Dry to Medium
Sh - Tr	<i>Nototrichium sandwicense</i>	kulu'i	8'	8'	sea to 3,000'	Dry to Medium
Sh-Tr	<i>Dodonaea viscosa</i>	'a'ali'i	6'	8'	sea to higher	Dry to Medium
Tr	<i>Aleurites moluccana</i>	candlenut, kukui	50'	50'	sea to 3,000'	Medium to Wet
Tr	<i>Calophyllum inophyllum</i>	kamani, alexandrian laurel	60'	40'	sea to 3,000'	Medium to Wet
Tr	<i>Canthium odoratum</i>	Alahe'e, 'ohe'e, walahe'e	12'	8'	sea to 3,000'	Dry to Medium
Tr	<i>Cordia subcordata</i>	kou	30'	25'	sea to 1,000'	Dry to Wet
Tr	<i>Diospyros sandwicensis</i>	lama	12'	15'	sea to 3,000'	Dry to Medium
Tr	<i>Erythrina sandwicensis</i>	wiliwili	20'	20'	sea to 1,000'	Dry
Tr	<i>Metrosideros polymorpha</i> var. <i>macrophylla</i>	ohi'a lehua	25'	25'	sea to 1,000'	Dry to Wet

## Zone-specific Native and Polynesian plants for Maui County

Zone 3

Type	Scientific Name	Common Name	Height	Spread	Elevation	Water req.
Tr	<i>Morinda citrifolia</i>	indian mulberry, noni	20'	15'	sea to 1,000'	Dry to Wet
Tr	<i>Nesoluma polynesianum</i>	keahi	15'	15'	sea to 3,00'	Dry
Tr	<i>Nestegis sandwicensis</i>	olopua	15'	15'	1,000' to 3,000'	Dry to Medium
Tr	<i>Pandanus tectorius</i>	hala, puhala (HALELIST)	35'	25'	sea to 1,000'	Dry to Wet
Tr	<i>Pleomele auwahiensis</i>	halapepe	20'			
Tr	<i>Rauvolfia sandwicensis</i>	hao	20'	15'	sea to 3,000'	Dry to Medium
Tr	<i>Reynoldsia sandwicensis</i>	'ohe makai	20'	20'	1,000' to 3,000'	Dry
Tr	<i>Santalum ellipticum</i>	coastal sandalwood, 'ili-ahi	8'	8'	sea to 3,000'	Dry to Medium
Tr	<i>Thespesia populnea</i>	milo	30'	30'	sea to 3,000'	Dry to Wet

# Zone-specific Native and Polynesian plants for Maui County

## Zone 4

TYPE:      F Fern      G Grass      Gr Ground Cover      Sh Shrub      P Palm      S Sedge      Tr Tree      V Vine

Type	Scientific Name	Common Name	Height	Spread	Elevation	Water req.
F	<i>Psilotum nudum</i>	moa, moa kula	1'	1'	sea to 3,000'	Dry to Wet
F	<i>Sadleria cyatheoides</i>	'ama'u, ama'uma'u				
G	<i>Colubrina asiatica</i>	'anapanapa	3'	10'	sea to 1,000'	Dry to Wet
G	<i>Eragrostis monticola</i>	kalamalo	1'	2'	sea to 3,000'	Dry to Medium
G	<i>Eragrostis variabilis</i>	'emo-loa	1'	2'	sea to 3,000'	Dry to Medium
G	<i>Fimbristylis cymosa</i> ssp. <i>spathacea</i>	mau'u'aki'aki fimbristylis	0.5'	1'	sea to 1,000'	Dry to Medium
Gr	<i>Chamaesyce celastroides</i> var. <i>laehiensis</i>	'akoko	2'	3'	sea to 1,000'	Dry to Medium
Gr	<i>Ipomoea tuboides</i>	Hawaiian moon flower, 'uala	1'	10'	sea to 3,000'	Dry to Medium
Gr	<i>Jacquemontia ovalifolia</i> ssp. <i>sandwicensis</i>	pa'u o hi'iaka	0.5'	6'	sea to 1,000'	Dry to Medium
Gr	<i>Lipochaeta integrifolia</i>	nehe	1'	5'	sea to 1,00'	Dry to Medium
Gr	<i>Peperomia leptostachya</i>	'ala'ala-wai-nui	1'	1'	sea to 3,000'	Dry to Medium
Gr	<i>Plumbago zeylanica</i>	'ilie'e	1'			
Gr	<i>Sida fallax</i>	'ilima	0.5'	3'	sea to 1,000'	Dry to Medium
Gr	<i>Tephrosia purpurea</i> var. <i>purpurea</i>	'auhuhu	2'	2'	sea to 1,000'	Dry to Medium
Gr - Sh	<i>Hibiscus calyphyllus</i>	ma'o hau hele, Rock's hibiscus	3'	2'	sea to 3,000'	Dry to Medium
Gr - Sh	<i>Lipochaeta rockii</i>	nehe	2'	2'	sea to 3,000'	Dry to Medium
Gr - Sh	<i>Lipochaeta succulenta</i>	nehe	2'	5'	sea to 1,000'	Dry to Wet
P	<i>Cocos nucifera</i>	coconut, niu	100'	30'	sea to 1,000'	Dry to Wet
P	<i>Pritchardia arecina</i>	lo'ulu, hawane	40'	10'	1,000' to 3,000'	Dry to Wet
P	<i>Pritchardia forbesiana</i>	lo'ulu	15'			
P	<i>Pritchardia hillebrandii</i>	lo'ulu, fan palm	25'	15'	sea to 1,000'	Dry to Wet
S	<i>Mariscus javanicus</i>	marsh cypress, 'ahu'awa	0.5'	0.5'	sea to 1,000'	Dry to Medium
Sh	<i>Argemone glauca</i> var. <i>decipiens</i>	pua kala	3'	2'	sea to 3,000'	Dry to Medium
Sh	<i>Artemisia australis</i>	'ahinahina	2'	3'	sea to 3,000'	Dry to Medium

# Zone-specific Native and Polynesian plants for Maui County

## Zone 4

Type	Scientific Name	Common Name	Height	Spread	Elevation	Water req.
Sh	<i>Artemisia mauiensis</i> var. <i>diffusa</i>	Maui wormwood, 'ahinahina	2'	3'	1,000' to higher	Dry to Medium
Sh	<i>Bidens hillebrandiana</i> ssp. <i>hillebrandiana</i>	ko'oko'olau	1'	2'	sea to 1,000'	Dry to Wet
Sh	<i>Bidens menziesii</i> ssp. <i>menziesii</i>	ko'oko'olau	1'	3'		
Sh	<i>Bidens micrantha</i> ssp. <i>micrantha</i>	ko'oko'olau	1'	3'		
Sh	<i>Cordyline fruticosa</i>	ti, ki	6'			
Sh	<i>Dianella sandwicensis</i>	'uki	2'	2'	1,000' to higher	Dry to Medium
Sh	<i>Lipochaeta lavarum</i>	nehe	3'	3'	sea to 3,000'	Dry to Medium
Sh	<i>Osteomeles anthyllidifolia</i>	'ulei, eluehe	4'	6'	sea to 3,000'	Dry to Medium
Sh	<i>Scaevola sericea</i>	naupaka, naupaka-kahakai	6'	8'	sea to 1,000'	Dry to Medium
Sh	<i>Solanum nelsonii</i>	'akia, beach solanum	3'	3'	sea to 1,00'	Dry to Medium
Sh	<i>Styphelia tameiameia</i>	pukiawe	6'	6'	1,000' to higher	Dry to Medium
Sh	<i>Vitex rotundifolia</i>	pohinahina	3'	4'	sea to 1,000'	Dry to Medium
Sh	<i>Wikstroemia uva-ursi kauaiensis kauaiensis</i>	'akia, Molokai osmanthus				
Sh - Tr	<i>Broussonetia papyrifera</i>	wauke, paper mulberry	8'	6'	sea to 1,000'	Dry to Medium
Sh - Tr	<i>Myoporum sandwicense</i>	naio, false sandalwood	10'	10'	sea to higher	Dry to Medium
Sh - Tr	<i>Nototrichium sandwicense</i>	kulu'i	8'	8'	sea to 3,000'	Dry to Medium
Sh-Tr	<i>Dodonaea viscosa</i>	'a'ali'i	6'	8'	sea to higher	Dry to Medium
Tr	<i>Acacia koa</i>	koa	50' - 100'	40' - 80'	1,500' to 4,000'	Dry to Medium
Tr	<i>Aleurites moluccana</i>	candlenut, kukui	50'	50'	sea to 3,000'	Medium to Wet
Tr	<i>Calophyllum inophyllum</i>	kamani, alexandrian laurel	60'	40'	sea to 3,000'	Medium to Wet
Tr	<i>Canthium odoratum</i>	Alahe'e, 'ohe'e, walahe'e	12'	8'	sea to 3,000'	Dry to Medium
Tr	<i>Charpentiera obovata</i>		15'			
Tr	<i>Cordia subcordata</i>	kou	30'	25'	sea to 1,000'	Dry to Wet
Tr	<i>Diospyros sandwicensis</i>	lama	12'	15'	sea to 3,000'	Dry to Medium
Tr	<i>Hibiscus furcellatus</i>	'akiohala, hau-hele	8'			
Tr	<i>Metrosideros polymorpha</i> var. <i>macrophylla</i>	ohi'a lehua	25'	25'	sea to 1,000'	Dry to Wet
Tr	<i>Morinda citrifolia</i>	indian mulberry, noni	20'	15'	sea to 1,000'	Dry to Wet

## Zone-specific Native and Polynesian plants for Maui County

Zone 4

Type	Scientific Name	Common Name	Height	Spread	Elevation	Water req.
Tr	<i>Nestegis sandwicensis</i>	olopua	15'	15'	1,000' to 3,000'	Dry to Medium
Tr	<i>Pandanus tectorius</i>	hala, puhala (HALELIST)	35'	25'	sea to 1,000'	Dry to Wet
Tr	<i>Pleomele auwahiensis</i>	halapepe	20'			
Tr	<i>Rauvolfia sandwicensis</i>	hao	20'	15'	sea to 3,000'	Dry to Medium
Tr	<i>Santalum ellipticum</i>	coastal sandalwood, 'ili-ahi	8'	8'	sea to 3,000'	Dry to Medium
Tr	<i>Sophora chrysophylla</i>	mamane	15'	15'	1,000' to 3,000'	Medium
Tr	<i>Thespesia populnea</i>	milo	30'	30'	sea to 3,000'	Dry to Wet
V	<i>Alyxia oliviformis</i>	maile	Vine		sea to 6,000'	Medium to Wet

# Zone-specific Native and Polynesian plants for Maui County

# Zone 5

TYPE:      F Fern      G Grass      Gr Ground Cover      Sh Shrub      P Palm      S Sedge      Tr Tree      V Vine

Type	Scientific Name	Common Name	Height	Spread	Elevation	Water req.
G	<i>Colubrina asiatica</i>	'anapanapa	3'	10'	sea to 1,000'	Dry to Wet
G	<i>Eragrostis variabilis</i>	'emo-loa	1'	2'	sea to 3,000'	Dry to Medium
G	<i>Fimbristylis cymosa</i> ssp. <i>spathacea</i>	mau'u'aki'aki fimbriatylis	0.5'	1'	sea to 1,000'	Dry to Medium
Gr	<i>Boerhavia repens</i>	alena	0.5'	4'	sea to 1,000'	Dry to Medium
Gr	<i>Chamaesyce celastroides</i> var. <i>laehiensis</i>	'akoko	2'	3'	sea to 1,000'	Dry to Medium
Gr	<i>Cressa truxillensis</i>	cressa	0.5'	1'	sea to 1,000'	Dry to Medium
Gr	<i>Heliotropium anomalum</i> var. <i>argenteum</i>	hinahina ku kahakai	1'	2'	sea to 1,000'	Dry to Medium
Gr	<i>Jacquemontia ovalifolia</i> ssp. <i>sandwicensis</i>	pa'u o hi'iaka	0.5'	6'	sea to 1,000'	Dry to Medium
Gr	<i>Lipochaeta integrifolia</i>	nehe	1'	5'	sea to 1,00'	Dry to Medium
Gr	<i>Sesuvium portulacastrum</i>	'akulikuli, sea-purslane	0.5'	2'	sea to 1,000'	Dry to Wet
Gr	<i>Sida fallax</i>	'illima	0.5'	3'	sea to 1,000'	Dry to Medium
Gr	<i>Tephrosia purpurea</i> var. <i>purpurea</i>	'auhuhu	2'	2'	sea to 1,000'	Dry to Medium
Gr - Sh	<i>Hibiscus calyphyllus</i>	ma'o hau hele, Rock's hibiscus	3'	2'	sea to 3,000'	Dry to Medium
Gr - Sh	<i>Lycium sandwicense</i>	'ohelo-kai, 'ae'ae	2'	2'	sea to 1,000'	Dry to Medium
P	<i>Cocos nucifera</i>	coconut, niu	100'	30'	sea to 1,000'	Dry to Wet
P	<i>Pritchardia hillebrandii</i>	lo'ulu, fan palm	25'	15'	sea to 1,000'	Dry to Wet
S	<i>Mariscus javanicus</i>	marsh cypress, 'ahu'awa	0.5'	0.5'	sea to 1,000'	Dry to Medium
Sh	<i>Argemone glauca</i> var. <i>decipiens</i>	pua kala	3'	2'	sea to 3,000'	Dry to Medium
Sh	<i>Artemisia australis</i>	'ahinahina	2'	3'	sea to 3,000'	Dry to Medium
Sh	<i>Bidens hillebrandiana</i> ssp. <i>hillebrandiana</i>	ko'oko'olau	1'	2'	sea to 1,000'	Dry to Wet
Sh	<i>Bidens mauiensis</i>	ko'oko'olau	1'	3'	sea to 1,000'	Dry to Medium
Sh	<i>Chenopodium oahuense</i>	'aheahea, 'aweoweo	6'		sea to higher	Dry to Medium
Sh	<i>Dianella sandwicensis</i>	'uki	2'	2'	1,000' to higher	Dry to Medium
Sh	<i>Gossypium tomentosum</i>	mao, Hawaiian cotton	5'	8'	sea to 1,000'	Dry to Medium

## Zone-specific Native and Polynesian plants for Maui County

# Zone 5

Type	Scientific Name	Common Name	Height	Spread	Elevation	Water req.
Sh	<i>Hedyotis</i> spp.	au, pilo	3'	2'	1,000' to 3,000'	Dry to Wet
Sh	<i>Lipochaeta lavarum</i>	nehe	3'	3'	sea to 3,000'	Dry to Medium
Sh	<i>Osteomeles anthyllidifolia</i>	'ulei, eluehe	4'	6'	sea to 3,000'	Dry to Medium
Sh	<i>Scaevola sericea</i>	naupaka, naupaka-kahakai	6'	8'	sea to 1,000'	Dry to Medium
Sh	<i>Senna gaudichaudii</i>	kolomana	5'	5'	sea to 3,000'	Dry to Medium
Sh	<i>Solanum nelsonii</i>	'akia, beach solanum	3'	3'	sea to 1,00'	Dry to Medium
Sh	<i>Vitex rotundifolia</i>	pohinahina	3'	4'	sea to 1,000'	Dry to Medium
Sh	<i>Wikstroemia uva-ursi kauaiensis kauaiensis</i>	'akia, Molokai osmanthus				
Sh - Tr	<i>Myoporum sandwicense</i>	naio, false sandalwood	10'	10'	sea to higher	Dry to Medium
Sh-Tr	<i>Dodonaea viscosa</i>	'a'ali'i	6'	8'	sea to higher	Dry to Medium
Tr	<i>Aleurites moluccana</i>	candlenut, kukui	50'	50'	sea to 3,000'	Medium to Wet
Tr	<i>Calophyllum inophyllum</i>	kamani, alexandrian laurel	60'	40'	sea to 3,000'	Medium to Wet
Tr	<i>Cordia subcordata</i>	kou	30'	25'	sea to 1,000'	Dry to Wet
Tr	<i>Hibiscus furcellatus</i>	'akiohala, hau-hele	8'			
Tr	<i>Morinda citrifolia</i>	indian mulberry, noni	20'	15'	sea to 1,000'	Dry to Wet
Tr	<i>Pandanus tectorius</i>	hala, puhala (HALELIST)	35'	25'	sea to 1,000'	Dry to Wet
Tr	<i>Thespesia populnea</i>	milo	30'	30'	sea to 3,000'	Dry to Wet
V	<i>Ipomoea pes-caprae</i>	beach morning glory, pohuehue	1'			

## DO NOT PLANT THESE PLANTS !!!

Common name	Scientific name	Plant family
black wattle	<i>Acacia mearnsii</i>	Mimosaceae
blackberry	<i>Rubus argutus</i>	Rosaceae
blue gum	<i>Eucalyptus globulus</i>	Myrtaceae
bocconia	<i>Bocconia frutescens</i>	Papaveraceae
broad-leaved cordia	<i>Cordia glabra</i>	Boraginaceae
broomsedge, yellow bluestem	<i>Andropogon virginicus</i>	Poaceae
buffelgrass	<i>Cenchrus ciliaris</i>	Poaceae
butterfly bush, smoke bush	<i>Buddleia madagascariensis</i>	Buddlejaceae
cats claw, Mysore thorn, wait-a-bit	<i>Caesalpinia decapetala</i>	Caesalpiniaceae
common ironwood	<i>Casuarina equisetifolia</i>	Casuarinaceae
common velvet grass, Yorkshire fog	<i>Holcus lanatus</i>	Poaceae
fiddlewood	<i>Citharexylum spinosum</i>	Verbenaceae
fire tree, faya tree	<i>Myrica faya</i>	Myricaceae
glorybower	<i>Clerodendrum laponicum</i>	Verbenaceae
hairy cat's ear, gosmore	<i>Hypochoeris radicata</i>	Asteraceae
haole koa	<i>Leucaena leucocephala</i>	Fabaceae
ivy gourd, scarlet-fruited gourd	<i>Coccinia grandis</i>	Cucurbitaceae
juniper berry	<i>Citharexylum caudatum</i>	Verbenaceae
kahili flower	<i>Grevillea banksii</i>	Proteaceae
klu, popinac	<i>Acacia farnesiana</i>	Mimosaceae
logwood, bloodwood tree	<i>Haematoxylon campechianum</i>	Caesalpiniaceae
loquat	<i>Eriobotrya japonica</i>	Rosaceae
meadow ricegrass	<i>Ehrharta stipoides</i>	Poaceae
melaleuca	<i>Melaleuca quinquenervia</i>	Myrtaceae
miconia, velvet leaf	<i>Miconia calvenscens</i>	Melastomataceae
narrow-leaved carpetgrass	<i>Axonopus fissifolius</i>	Poaceae
oleaster	<i>Elaeagnus umbellata</i>	Elaeagnaceae
oriental mangrove	<i>Bruguiera gymnorrhiza</i>	Rhizophoraceae
padang cassia	<i>Cinnamomum burmannii</i>	Lauraceae
palmgrass	<i>Setaria palmifolia</i>	Poaceae
pearl flower	<i>Heterocentron subtripplinervium</i>	Melastomataceae
quinine tree	<i>Cinchona pubesens</i>	Rubiaceae
satin leaf, caimitillo	<i>Chrysophyllum oliviforme</i>	Sapotaceae
silkwood, Queensland maple	<i>Flindersia brayleyana</i>	Rutaceae
silky oak, silver oak	<i>Grevillea robusta</i>	Proteaceae
strawberry quava	<i>Psidium cattleianum</i>	Myrtaceae
swamp oak, saltmarsh, longleaf ironwood	<i>Casuarina glauca</i>	Casuarinaceae
sweet vernalgrass	<i>Anthoxanthum odoratum</i>	Poaceae
tree of heaven	<i>Ailanthus altissima</i>	Simaroubaceae
trumpet tree, guarumo	<i>Cecropia obtusifolia</i>	Cecropiaceae
white ginger	<i>Hedychium coronarium</i>	Zingiberaceae
white moho	<i>Heliocharis popayanensis</i>	Tiliaceae
yellow ginger	<i>Hedychium flavescens</i>	Zingiberaceae



## DO NOT PLANT THESE PLANTS !!!

Common name	Scientific name	Plant family
	<i>Jasminum fluminense</i>	Oleaceae
	<i>Arthrostemum ciliatum</i>	Melastomataceae
	<i>Dissotis rotundifolia</i>	Melastomataceae
	<i>Erigeron karvinskianus</i>	Asteraceae
	<i>Eucalyptus robusta</i>	Myrtaceae
	<i>Hedychium gardnerianum</i>	Zingiberaceae
	<i>Juncus planifolius</i>	Juncaceae
	<i>Lophostemon confertus</i>	Myrtaceae
	<i>Medinilla cumingii</i>	Melastomataceae
	<i>Medinilla magnifica</i>	Melastomataceae
	<i>Medinilla venosa</i>	Melastomataceae
	<i>Melastoma candidum</i>	Melastomataceae
	<i>Melinis minutiflora</i>	Poaceae
	<i>Olea europaea</i>	
	<i>Oxyspora paniculata</i>	Melastomataceae
	<i>Panicum maximum</i>	Poaceae
	<i>Paspalum urvillei</i>	Poaceae
	<i>Passiflora edulis</i>	Passifloraceae
	<i>Phormium tenax</i>	Agavaceae
	<i>Pinus taeda</i>	Pinaceae
	<i>Prosopis pallida</i>	Fabaceae
	<i>Pterolepis glomerata</i>	Melastomataceae
	<i>Rhodomyrtus tomentosa</i>	Myrtaceae
	<i>Schefflera actinophylla</i>	Araliaceae
	<i>Syzygium jambos</i>	Myrtaceae
Australian blackwood	<i>Acacia melanoxylon</i>	Mimosaceae
Australian tree fern	<i>Cyathea cooperi</i>	Cyatheaceae
Australian tree fern	<i>Sphaeropteris cooperi</i>	Cyatheaceae
Beggar's tick, Spanish needle	<i>Bidens pilosa</i>	Asteraceae
California grass	<i>Brachiaria mutica</i>	Poaceae
Chinese banyon, Maylayan banyon	<i>Ficus microcarpa</i>	Moraceae
Chinese violet	<i>Asystasia gangetica</i>	Acanthaceae
Christmasberry, Brazilian pepper	<i>Schinus terebinthifolius</i>	Anacardiaceae
Formosan koa	<i>Acacia confusa</i>	Mimosaceae
German ivy	<i>Senecio mikanioides</i>	Asteraceae
Japanese honeysuckle	<i>Lonicera japonica</i>	Caprifoliaceae
Koster's curse	<i>Clidemia hirta</i>	Melastomataceae
Lantana	<i>Lantana camara</i>	Verbenaceae
Mauritius hemp	<i>Furcraea foetida</i>	Agavaceae
Mexican ash, tropical ash	<i>Fraxinus uhdei</i>	Oleaceae
Mexican tulip poppy	<i>Hunnemannia fumariifolia</i>	Papaveraceae
Mules foot, Madagascar tree fern	<i>Angiopteris evecta</i>	Marattiaceae
New Zealand laurel, karakaranut	<i>Corynocarpus laevigatus</i>	Corynocarpaceae
New Zealand tea	<i>Leptospermum scoparium</i>	Myrtaceae
Pampas grass	<i>Cortaderia jubata</i>	Poaceae
Panama rubber tree, Mexican rubber tree	<i>Castilloa elastica</i>	Moraceae
Snoebutton ardisia	<i>Ardisia elliptica</i>	Myrsinaceae
banana poka	<i>Passiflora mollissima</i>	Passifloraceae

## Selection

As a general rule, it is best to select the largest and healthiest specimens. However, be sure to note that they are not pot-bound. Smaller, younger plants may result in a low rate of plant survival.<sup>1</sup> When selecting native species, consider the site they are to be planted in, and the space that you have to plant. For example: Mountain species such as koa and maile will not grow well in hot coastal areas exposed to strong ocean breezes. Lowland and coastal species such as wiliwili and Kou require abundant sunshine and porous soil. They will not grow well with frequent cloud cover, high rainfall and heavy soil.

Consider too, the size that the species will grow to be. It is not wise to plant trees that will grow too large.<sup>2</sup> Overplanting tends to be a big problem in the landscape due to the underestimation of a species' height, width or spread.

A large, dense canopied tree such as the kukui is a good shade tree for a lawn. However, its canopy size and density of shade will limit what can be planted in the surrounding area. Shade cast by a koa and ohia lehua is relatively light and will not inhibit growth beneath it.

Keep seasons in mind when you are selecting your plants. Not all plants look good year round, some plants such as ilima will look scraggly after they have flowered and formed seeds. Avoid planting large areas with only one native plant. Mixing plants which naturally grow together will ensure the garden will look good all year round.<sup>3</sup> Looking at natural habitats helps to show how plants grow naturally in the landscape.

When planting an area with a mixed-ecosystem, keep in mind the size and ecological requirements of each plant. Start with the hardiest and most easily grown species, but allow space for fragile ones in subsequent plantings.

## Acquiring natives

Plants in their wild habitat must be protected and maintained. It is best and easiest to get your plants from nurseries (see list), or friend's gardens. Obtain proper permits from landowners and make sure you follow a few common sense rules:

- ▶ collect sparingly from each plant or area.
- ▶ some plants are on the state or Federal Endangered Species list. Make sure you get permits (see app. A,B)

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<sup>1</sup> K. Nagata, P.6

<sup>2</sup> K. Nagata, P.9

<sup>3</sup> Nagata, P.9

## Soil

Once you have selected your site and the plants you wish to establish there, you must look at the soil conditions on the site. Proper soil is necessary for the successful growth of most native plants, which perform poorly in hard pan, clay or adobe soils. If natives are to be planted in these types of soil, it would be wise to dig planting holes several times the size of the rootball and backfill with 50-75% compost.<sup>4</sup> A large planting hole ensures the development of a strong root system. The plant will have a headstart before the roots penetrate the surrounding poor soil.<sup>5</sup>

It is recommended that native plants not be planted in ground that is more dense than potting soil. If there is no alternative, dig a hole in a mound of soil mixed with volcanic cinder which encourages maximum root development. Fill the hole with water, if the water tends to puddle or drain too slowly, dig a deeper hole until the water does not puddle longer than 1 or 2 minutes.<sup>6</sup> Well-drained soil is one of the most important things when planting natives as you will see in the next section.

## Irrigation

Most natives do very poorly in waterlogged conditions. Do not water if the soil is damp. Water when the soil is dry and the plants are wilting. Once established, a good soaking twice a week should suffice. Deep soaking encourages the development of stronger, and deeper root systems. This is better than frequent and shallow watering which encourage weaker, more shallow root systems.

The following is a watering schedule from Kenneth Nagata's Booklet, *How To Plant A Native Hawaiian Garden*:

<u>WATER REQUIREMENT</u>	<u>WATERING FREQUENCY</u>
Heavy	3x / week
Moderate	2x / week
Light	1x / week

Red clay soils hold more water for a longer period of time than sandy soils do. If your area is very sunny or near a beach, things will dry out faster. Even in the area of one garden, there are parts that will need more or less water. Soils can vary and amount of shade and wind differ. After plants are established (a month or two for most plants, up to a year for some trees), you can back off watering.

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<sup>4</sup> Nagata, p. 6

<sup>5</sup> Nagata, p. 8

<sup>6</sup> Nagata, p. 8

Automatic sprinkler systems are expensive to install and must be checked and adjusted regularly. Above-ground systems allow you to monitor how much water is being put out, but you lose a lot due to malfunctioning of sprinkler heads and wind. The most efficient way to save water and make sure your plants get enough water, is to hand-water. This way you are getting our precious water to the right places in the right amounts.<sup>7</sup>

## Fertilizer

An all-purpose fertilizer 10-10-10 is adequate for most species. They should be applied at planting time, 3 months later, and 6 months thereafter. Use half the dosage recommended for ornamentals and pay special attention to native ferns which are sensitive to strong fertilizers. Use of organic composts and aged animal manures is suggested instead of chemical fertilizers. In addition, use of cinders for providing trace minerals is strongly recommended.<sup>8</sup>

Natives are plants which were here hundreds of years before the polynesians inhabited the Hawaiian Islands. They were brought here by birds, or survived the harsh ocean conditions to float here. They are well-adapted to Hawaii's varying soil and environmental conditions. This is why they make prime specimens for a xeriscape garden. However, natives will not thrive on their own, especially under harsh conditions. On the other hand, like any other plant, if you over-water and over-fertilize them, they will die. Follow the instructions given to you by the nursery you buy the plant from, or from this booklet. Better yet, buy a book (suggested readings can be found in the bibliography in the back of this pamphlet), read it, and learn more about native plants. I guarantee that you will be pleased with the results.

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<sup>7</sup> Bornhorst, p. 19-20

<sup>8</sup> Nagata, p. 6

## Propagation

There are many ways to propagate and plant-out native Hawaiian species. One of the most thorough and helpful book is Heidi Bornhorst's book, *Growing Native Hawaiian Plants*. The easiest, and best way to obtain natives for the novice gardener is to get them from a reputable nursery (see appendix c). That way all you will have to do is know how to transplant (if necessary) and plant-out when you are ready. These are the two methods I have listed here.

### Transplanting

1. Use pots that are one size bigger than the potted plant is in
2. Get your potting medium ready

Good potting medium is a ½, ½ mixture of peat moss and perlite. If the plant is from a dry or coastal area, add chunks of cinder or extra perlite. If it is a wet forest species, add more peat moss or compost. Be aware that peat moss is very acidic and certain plants react severely to acidity.

If the plant is to eventually be planted into the ground, make a mix of equal parts peat moss, perlite, and soil from the area in which the plant is to be planted. Slow-release fertilizer can be mixed into the potting medium.

3. Once pots, potting medium, fertilizer and water are ready, you can begin re-potting. Keep the plant stem at the same depth it was in the original pot. Avoid putting the plant in too large a pot, as the plant may not be able to soak up all the water in the soil and the roots may drown and rot.

Mix potting medium and add slow-release fertilizer at this time. Pre-wet the medium to keep dust down and lessen shock to the plant. Put medium in bottom of pot. Measure for the correct depth in the new pot. Make sure there is from ½ to 2 inches from the top of the pot so the plant can get adequate water. Try to stand the plant upright and center the stem in the middle of the pot.

Water the plant thoroughly after transplanting. A vitamin B-1 transplanting solution can help to lessen the transplant shock. Keep the plant in the same type of environment as it was before, sun or shade. If roots were broken, trim off some of the leaves to compensate for the loss.<sup>9</sup>

### Planting out

1. Plant most native Hawaiian plants in a sunny location in soil that is well-drained.
  2. Make the planting hole twice as wide as the root ball or present pot, and just as deep.
- If the soil is clay-like, and drains slowly, mix in some coarse red or bland cinder, coarse perlite or

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<sup>9</sup> Bornhorst, p.20-21

coarse compost. Place some slow-release fertilizer at the bottom of the hole.

3. Carefully remove the plant from the container and place it in the hole.

The top of the soil should be at the same level as the top of the hole, if it is too high or too low, adjust the soil level so that the plant is at the right depth.

4. Water thoroughly after you transplant.

## Mulch

Most natives cannot compete with weeds, and therefore must be weeded around constantly in order to thrive. Mulch is a practical alternative, which discourages and prevents weeds from growing.

Hawaii's hot, humid climate leads to the breaking down of organic mulches. Thick organic mulches such as wood chips and leaves, may also be hiding places for pests.

Stone mulches are attractive, permanent and can help to improve soil quality. Red or black cinder, blue rock chips, smooth river rocks and coral chips are some natural choices.<sup>10</sup> Macadamia nut hulls are also easy to find and can make a nice mulch.<sup>11</sup>

Never pile up mulch right next to the stem or trunk of a plant, keep it a few inches away.

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<sup>10</sup> Bornhorst, p. 24

<sup>11</sup> Nagata, p. 7

## ZONES

The Maui County Planting Plan has compiled a system of 5 zones of plant growth for Maui County. The descriptions of zones and maps for these zones are as follows:

Zone 1:

Wet areas on the windward side of the island. More than 40 inches of rain per year. Higher than 3,000 feet.

Zone 2:

Cool, dry areas in higher elevations (above 1,000 feet). 20 to 40 inches of rain per year.

Zone 3:

Low, drier areas, warm to hot. Less than 20 inches of rain per year. Sea level to 1,000 feet.

Zone 4:

Lower elevations which are wetter due to proximity of mountains. 1,000 to 3,000 feet.

Zone 5:

Salt spray zones in coastal areas on the windward side.

These zones are to be used as a general guide to planting for Maui County. In addition to looking at the maps, read the descriptions of the zones and decide which zone best fits your area. Plants can be listed in more than one zone and can be planted in a variety of conditions. For best results, take notes on the rainfall, wind, sun and salt conditions of your site. Use the zones as a general guide for selection and read about the plants to decide which best fits your needs as far as care and or function.

## PLACES TO SEE NATIVES ON MAUI:

The following places propagate native Hawaiian plants from seeds and/or cuttings. Their purpose is to protect and preserve these native plants. Please contact them before going to view the sites, they can provide valuable information and referral to other sources.

1. Hoolawa Farms 575-5099  
P O Box 731  
Haiku HI 96708
2. The Hawaiian Collection 878-1701  
1127 Manu Street  
Kula HI 96790
3. Kula Botanical Gardens 878-1715  
RR4, Box 228  
Kula HI 96790
4. Maui Botanical Gardens 249-2798  
Kanaloa Avenue, Kahului  
across from stadium
5. Kula Forest Reserve 984-8100  
access road at the end of Waipoli Rd  
Call the Maui District Office
6. Wailea Point, Private Condominium residence 875-9557  
4000 Wailea Alanui, Kihei  
public access points at Four Seasons Resort or  
Polo Beach
7. Kahanu Gardens, National Tropical Botanical Garden 248-8912  
Alau Place, Hana HI 96713
8. Kahului Library Courtyard 873-3097  
20 School Street  
Kahului HI 96732



## PLACES TO BUY NATIVE PLANTS ON MAUI

1. Ho'olawa Farms  
Anna Palomino  
P O Box 731  
Haiku HI 96708  
575-5099  
  
\* The largest and best collection of natives in the state. They will deliver, but worth the drive to go and see! Will propagate upon request
2. Kahanu Gardens  
National Tropical Botanical Garden  
Alau Place, Hana  
248-8912
3. Kihana Nursery  
1708 South Kihei Road  
Kihei HI 96753  
879-1165
4. Kihei Garden and Landscape  
Waiko Road, Wailuku  
P O Box 1058  
Puunene HI 96784  
244-3804
5. Kula Ace Hardware and Nursery  
3600 Lower Kula Road  
Kula HI 96790  
876-0734  
\* many natives in stock  
\* get most of their plants from Ho'olawa Farms  
\* they take special requests
6. Kulamanu Farms - Ann Carter  
Kula HI 96790  
878-1801
7. Maui Nui Botanical Gardens  
Kanaloa Avenue  
(Across from stadium)  
Kahului HI 96732  
249-2798
8. Native Gardenscapes  
Robin McMillan  
1330 Lower Kimo Drive  
Kula HI 96790  
870-1421  
  
\* grows native plants and installs landscapes including irrigation.
9. Native Hawaiian Tree Source  
1630 Piihola Road  
Makawao HI 96768  
572-6180
10. Native Nursery, LLC  
Jonathan Keyser  
250-3341
11. New Moon Enterprises - Pat Bily  
47 Kahoea Place  
Kula HI 96790  
878-2441
12. Waiakoa Tree Farm - Kua Rogoff  
Pukalani HI 96768  
Cell - 264-4166



MICHAEL T. MUNEKIYO  
GWEN OHASHI HIRAGA  
MITSURU "MICH" HIRANO  
KARLYNN FUKUDA

MARK ALEXANDER ROY

December 7, 2010

Jeffrey K. Eng, Director  
**Department of Water Supply**  
County of Maui  
200 South High Street  
Wailuku, Hawaii 96793

SUBJECT: Proposed Haiku Fire Station and Related Improvements at TMK  
(2)2-7-007:008 (por.), Haiku, Maui

Dear Mr. Eng:

Thank you for your letter dated December 4, 2009, responding to our Chapter 343, Hawaii Revised Statutes (HRS) early consultation request for the subject project. On behalf of the applicant, the County of Maui, Department of Fire and Public Safety, we offer the following information in response to the comments noted in your letter:

**Comment No. 1 (Source Availability and Consumption):**

*The project site is within the Department of Water Supply's Haiku service area.*

*The project site covers approximately 6.1 acres located within a County property of 27.9 acres. One 5/8-inch water meter is located on the property. The property also has water meter reservations for 3 (three) 5/8-inch water meters for a subdivision.*

**Response:** We note the information provided on source availability and consumption, and that the subject property currently possesses water meter reservations for three (3) 5/8-inch water meters.

**Comment No. 2 (System Infrastructure):**

*There is a 6-inch waterline and a fire hydrant located more than 1,000 feet from the project site on East Kuiaha Road near the east end of the County property. Storage is provided by the 0.5 million gallon (MG) Kaupakalua tank. These are inadequate for the proposed project.*

*The project scope proposes the installation of approximately 4,200 feet of waterline, beginning at a location approximately 2,300 feet south of the project site, to address domestic use and fire protection concerns.*

*During the building permit process, the applicant will be required to submit domestic, irrigation and fire flow calculations to determine water meter capacity and adequate fire protection. Approved fire flow calculation methods currently used by the Department of Water Supply are the "Guidance for Determination of Required Fire Flow" as published by the Insurance Services Office in 1974, 2001 and 2006, or "Fire Flow" as published by the Hawaii Insurance Bureau in 1991. Also required is the installation of a reduced pressure back-flow prevention device, approved by the DWS. For more information or clarification on the device, please contact our Engineering Division at 270-7835 or our Backflow and Cross-Connection Control Section at 270-6132.*

**Response:** We note your comment regarding system infrastructure. The applicant will coordinate with your Department during the building permit application process to address water meter capacity and fire protection requirements for the site, as well as the installation of a reduced pressure back-flow prevention device for the project.

**Comment No. 3 (Pollution Prevention):**

*The site overlies the Haiku aquifer which has a sustainable yield of 27 million gallons per day. The Department of Water Supply's goal is to protect the integrity of surface and groundwater resources. To achieve this, mitigation measures must be implemented to prevent any water pollution related impacts. Best management practices for construction should, therefore, be applied.*

**Response:** We note your comment regarding pollution prevention. A program of Best Management Practices (BMPs) will be implemented for the project and will be discussed in the Draft Environmental Assessment (EA).

**Comment No. 4 (Conservation Measures):**

*The Department of Water Supply encourages the applicant to consider the following conservation measures in the project design, as well as during construction:*

1. *Utilize reclaimed or non-potable water for dust control, irrigation and other non-potable uses.*
2. *Water after 7:00 p.m. at night and before 10:00 a.m. in the morning.*
3. *Utilize low-flow fixtures and devices - Maui County Code Subsection 16.20A.680 requires the use of low-flow fixtures and devices in faucets, showerheads, urinals, water closets and hose bibs. Even more efficient and consumer tested models are available. Check WaterSense listings at <http://www.epa.gov/watersense/pp/index.htm> for efficient fixture listings when buying or replacing fixtures.*
4. *Prevent over-Watering by automated systems - Provide rain-sensors on all automated irrigation controllers. Check and reset controllers at least once a month to reflect the monthly changes in evaporation rates at the site. As an alternative, provide more automated, soil-moisture sensors on controllers.*
5. *Maintain fixtures to prevent leaks - A simple, regular program of repair and maintenance can prevent the loss of hundreds or even thousands of gallons per day.*
6. *Limit irrigated turf - Low-water use shrubs and ground cover can be equally attractive and require substantially less water than turf.*
7. *Select climate adapted native plant species for landscaping - Native plants adapted to the area conserve water and protect the watershed from degradation due to invasive alien species.*
8. *Look for opportunities to conserve water - Here are a few samples: 1) When clearing debris, use a broom instead of a hose and water; 2) Check for leaks in pipes, faucets and toilets.*

**Response:** The suggested water conservation measures will be forwarded to the applicant for the review and possible incorporation into the design of the project, as applicable. We also note that the proposed project aims to undergo certification by the Leadership in Energy and Environmental Design (LEED) green building rating system. Proposed water conservation measures for the project will include water use reduction measures, water efficient landscaping, and innovative wastewater technologies.

Jeffrey K. Eng, Director  
December 7, 2010  
Page 4

We appreciate the input provided by your office and will include a copy of your letter in the Draft EA for the project.

Should you have any questions, please do not hesitate to contact me at 244-2015.

Very truly yours,



Mark Alexander Roy, AICP  
Program Manager

MAR:yp

cc: Lee Mainaga, County of Maui, Department of Fire and Public Safety  
Wendy Taomoto, County of Maui, Department of Management  
Kathleen Aoki, County of Maui, Department of Planning  
Terry McFarland, Architects Hawaii Limited  
Diane Kodama, AECOM Pacific, Inc.

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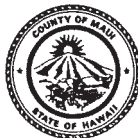
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Director of Council Services  
Ken Fukuoka

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Council Members  
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Wayne K. Nishiki  
Joseph Pontanilla  
Michael P. Victorino



**COUNTY COUNCIL**  
COUNTY OF MAUI  
200 S. HIGH STREET  
WAILUKU, MAUI, HAWAII 96793  
[www.mauicounty.gov/council](http://www.mauicounty.gov/council)

November 20, 2009

Munekiyo & Hiraga, Inc.  
**Mark Alexander Roy, AICP, Project Manager**  
305 High Street, Suite 104  
Wailuku, Hawai'i 96793

Dear Mr. Roy:

**SUBJECT: HAIKU FIRE STATION AND RELATED IMPROVEMENTS**

I am happy to see that LEED certification will be sought and of all the water conservation planning. The proposed new waterlines are also reassuring.

The unanswered question that remains for me and my Upcountry constituents is "where will the water come from" for this project.

Please be sure that the Draft EA adequately addresses this issue. Thank you for the opportunity to provide some input.

Aloha and mahalo,

A handwritten signature in black ink that reads "Gladys C. Baisa". The signature is fluid and cursive.

GLADYS C. BAISA  
Council Member

GCB:amm



MICHAEL T. MUNEKIYO  
GWEN OHASHI HIRAGA  
MITSURU "MICH" HIRANO  
KARLYNN FUKUDA

MARK ALEXANDER ROY

December 7, 2010

**Honorable Gladys Baisa**  
Maui County Council  
200 South High Street  
Wailuku, Hawaii 96793

SUBJECT: Proposed Haiku Fire Station and Related Improvements at TMK  
(2)2-7-007:008 (por.), Haiku, Maui

Dear Councilmember Baisa:

Thank you for your letter dated November 20, 2009, responding to our Chapter 343, Hawaii Revised Statutes (HRS) early consultation request for the subject project. On behalf of the applicant, the County of Maui, Department of Fire and Public Safety, we offer the following information in response to the comments noted in your letter:

**Comment No. 1:**

*I am happy to see that LEED certification will be sought and of all the water conservation planning. The proposed new waterlines are also reassuring.*

**Response:** We appreciate your support for the Leadership in Energy and Environmental Design (LEED) certification process and water conservation planning aspects for the proposed project. We look forward to your continued support in completion of this project.

**Comment No. 2:**

*The unanswered question that remains for me and my Upcountry constituents is "where will the water come from" for this project.*

*Please be sure that the Draft EA adequately addresses this issue. Thank you for the opportunity to provide some input*

Honorable Gladys Baisa  
December 7, 2010  
Page 2

**Response:** Based on information provided by the County of Maui, Department of Water Supply, the subject property currently possesses a water meter reservation for three (3) 5/8-inch water meters. A 4,200 feet waterline will connect the project site to an existing waterline approximately 2,300 feet south of the project site. A description of the water system requirements for the proposed project will be included in the Draft Environmental Assessment (EA).

We appreciate the input provided by your office and will include a copy of your letter in the Draft EA for the project.

Should you have any questions, please do not hesitate to contact me at 244-2015.

Very truly yours,



Mark Alexander Roy, AICP  
Program Manager

MAR:yp

cc: Lee Mainaga, County of Maui, Department of Fire and Public Safety  
Wendy Taomoto, County of Maui, Department of Management  
Kathleen Aoki, County of Maui, Department of Planning  
Terry McFarland, Architects Hawaii Limited

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Council Chair  
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Director of Council Services  
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**COUNTY COUNCIL**  
COUNTY OF MAUI  
200 S. HIGH STREET  
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[www.mauicounty.gov/council](http://www.mauicounty.gov/council)

December 7, 2009

Munekiyo and Hiraga, Inc.  
Attention: Mark Alexander Roy, Project Manager  
305 High Street, Suite 104  
Wailuku, HI 96793

SUBJECT: EARLY CONSULTATION COMMENTS FOR PROPOSED HAIKU FIRE STATION AND RELATED IMPROVEMENTS at TMK (2) 2-7-007:008 (Por.), HAIKU, MAUI, HAWAII

Dear Mr. Roy:

Thank you for the opportunity to provide early comments in preparation for the Draft Environmental Assessment for the Proposed Haiku Fire Station and Related Improvements at TMK (2) 2-7-007:008 (Por.), HAIKU, MAUI, HAWAII.

After review of the information presented, I have no specific comments at this time.

Sincerely,

*Joseph Pontanilla*  
JOSEPH PONTANILLA,  
COUNCIL MEMBER

Hawaiian Telcom 

November 30, 2009

Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Maui, Hawaii 96793

ATTN: Mark Alexander Roy, AICP, Project Manager

SUBJECT: PROPOSED HAIKU FIRE STATION; HAIKU, ISLAND OF MAUI  
EARLY CONSULTATION REQUEST AND RELATED IMPROVEMENTS AT  
TMK: (2) 2-7-007:009 (POR), HAIKU, MAUI, HAWAII  
COUNTY OF MAUI, DEPT. OF FIRE AND PUBLIC SAFETY (applicant)

Dear Mr. Roy:

Thank you for providing Hawaiian Telcom Incorporated, the opportunity to comment on the Early Consultation and Related Improvements for the Proposed Haiku Fire Station off of Hana Hwy., Haiku, on the Island of Maui.

With regards to Figure 4, specifically the proposed placement of the Wind Turbines, please note that the proximity of the placement of the proposed turbines with relation to the existing aerial telephone facilities along Hana Highway must take into consideration OSHA regulations.

If there are any questions, please call Sheri Tihada at (808) 242-5258.

Sincerely,



Lynette Yoshida  
Senior Manager –  
Network Engineering & Planning

C: File (3005 0911-085)  
S. Tihada



MICHAEL T. MUNEKIYO  
GWEN OHASHI HIRAGA  
MITSURU "MICH" HIRANO  
KARLYNN FUKUDA

MARK ALEXANDER ROY

December 7, 2010

Lynette Yoshida, Senior Manager  
Network Engineering & Planning  
**Hawaiian Telcom**  
1177 Bishop Street  
Honolulu, Hawaii 96813

**SUBJECT:** Proposed Haiku Fire Station and Related Improvements at TMK  
(2)2-7-007:008 (por.), Haiku, Maui

Dear Ms. Yoshida:

Thank you for your letter dated November 30, 2009, responding to our Chapter 343, Hawaii Revised Statutes (HRS) early consultation request for the subject project. On behalf of the applicant, the County of Maui, Department of Fire and Public Safety, we offer the following information in response to the comments noted in your letter:

**Comment No. 1:**

*With regards to Figure 4, specifically the proposed placement of the Wind Turbines, please note that the proximity of the placement of the proposed turbines with relation to the existing aerial telephone facilities along Hana Highway must take into consideration OSHA regulations.*

**Response:** The National Electrical Safety Code (NESC) and Occupational Safety and Health Administration (OSHA) codes require that equipment energized at 50 kV or less (such as the proposed wind turbines) be placed a minimum of ten (10) feet away from electrically charged power lines. As the current design plans of the proposed project place the wind turbines are approximately thirty (30) feet away from the existing aerial telephone facilities along Hana Highway, the conditions of the NESC and OSHA codes are satisfied.

We also note that the proposed wind turbines will utilize a vertical axis design instead of the conventional horizontal axis (windmill/propeller) design. These turbines will have the capability to utilize wind from any direction.

Lynette Yoshida, Senior Manager  
December 7, 2010  
Page 2

We appreciate the input provided by your office and will include a copy of your letter in the Draft Environmental Assessment (EA) for the project.

Should you have any questions, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Mark Alexander Roy', with several overlapping strokes.

Mark Alexander Roy, AICP  
Program Manager

MAR:yp

cc: Lee Mainaga, County of Maui, Department of Fire and Public Safety  
Wendy Taomoto, County of Maui, Department of Management  
Kathleen Aoki, County of Maui, Department of Planning  
Terry McFarland, Architects Hawaii Limited  
Diane Kodama, AECOM Pacific, Inc.

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November 20, 2009

Mr. Mark Alexander Roy, AICP  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Maui, Hawaii 96793

Subject: Early Consultation for the Proposed Haiku Fire Station and Related Improvements  
Hana Highway  
Haiku, Maui, Hawaii  
Tax Map Key: (2) 2-7-007: 008 (por.)

Dear Mr. Roy,

Thank you for allowing us to comment on the early consultation for the subject project.

In reviewing our records and the information received, Maui Electric Company (MECO) has no objection to the subject project at this time. However, we highly encourage the customer's electrical consultant to submit an electrical service request so that any service can be provided on a timely basis.

We also suggest that the customer or their consultant make contact with our Renewable Energy Department at 871-8461 for the installation of the wind turbine system.

Should you have any questions or concerns, please call me at 871-2340.

Sincerely,

A handwritten signature in black ink that reads "Ray Okazaki".

Ray Okazaki  
Staff Engineer



MICHAEL T. MUNEKIYO  
GWEN OHASHI HIRAGA  
MITSURU "MICH" HIRANO  
KARLYNN FUKUDA

MARK ALEXANDER ROY

December 7, 2010

Ray Okazaki  
**Maui Electric Company, Ltd.**  
P. O. Box 398  
Kahului, Hawaii 96733-6898

**SUBJECT:** Proposed Haiku Fire Station and Related Improvements at TMK  
(2)2-7-007:008 (por.), Haiku, Maui

Dear Mr. Okazaki:

Thank you for your letter dated November 20, 2009, responding to our Chapter 343, Hawaii Revised Statutes (HRS) early consultation request for the subject project. On behalf of the applicant, the County of Maui, Department of Fire and Public Safety, we offer the following information in response to the comments noted in your letter:

**Comment No. 1:**

*In reviewing our records and the information received, Maui Electric Company (MECO) has no objection to the subject project at this time. However, we highly encourage the customer's electrical consultant to submit an electrical service request so that any service can be provided on a timely basis.*

**Response:** The applicant notes that MECO has no objection to the proposed project. The project's electrical consultant will coordinate with MECO to submit an electrical service request so that service can be provided on a timely basis.

**Comment No. 2:**

*We also suggest that the customer or their consultant make contact with our Renewable Energy Department at 871-8461 for the installation of the wind turbine system.*

Ray Okazaki  
December 7, 2010  
Page 2

**Response:** The applicant acknowledges your comment and will consult with MECO's Renewable Energy Department regarding installation of the wind turbine system.

We appreciate the input provided by your office and will include a copy of your letter in the Draft Environmental Assessment (EA) for the project.

Should you have any questions, please do not hesitate to contact me at 244-2015.

Very truly yours,


A handwritten signature in black ink, appearing to read 'Mark Alexander Roy', with a horizontal line underneath.

Mark Alexander Roy, AICP  
Program Manager

MAR:yp

cc: Lee Mainaga, County of Maui, Department of Fire and Public Safety  
Wendy Taomoto, County of Maui, Department of Management  
Kathleen Aoki, County of Maui, Department of Planning  
Terry McFarland, Architects Hawaii Limited

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**LETTERS RECEIVED DURING  
THE DRAFT ENVIRONMENTAL  
ASSESSMENT REVIEW PERIOD;  
AND RESPONSES TO  
SUBSTANTIVE COMMENTS**





## X. LETTERS RECEIVED DURING THE DRAFT ENVIRONMENTAL ASSESSMENT REVIEW PERIOD; AND RESPONSES TO SUBSTANTIVE COMMENTS

A Draft Environmental Assessment (EA) for the subject action was filed and published in the Office of Environmental Quality Control's The Environmental Notice on January 8, 2011.

The following agencies and individuals were sent a copy of the Draft EA. Comments on the Draft EA were received during the 30-day public comment period. Letters received, as well as responses to substantive comments, are included in this chapter.

### FEDERAL

1. Larry Yamamoto, State Conservationist  
**U.S. Department of Agriculture  
Natural Resources Conservation  
Service**  
P.O. Box 50004  
Honolulu, Hawai'i 96850-0001
2. Ranae Ganske-Cerizo, Soil  
Conservationist  
**U.S. Department of Agriculture  
Natural Resources Conservation  
Service**  
77 Hookele Street, Suite 202  
Kahului, Hawai'i 96732
3. George Young  
Chief, Regulatory Branch  
**U.S. Department of the Army**  
U.S. Army Engineer District, Honolulu  
Regulatory Branch  
Building 230  
Fort Shafter, Hawai'i 96858-5440
4. Dave Wesley, Deputy Regional Director  
**U. S. Fish and Wildlife Service**  
Pacific Region  
911 NE 11<sup>th</sup> Avenue  
Portland, Oregon 97232
5. Loyal A. Mehrhoff  
Field Supervisor  
**U. S. Fish and Wildlife Service**  
300 Ala Moana Blvd., Rm. 3-122  
Box 50088  
Honolulu, Hawai'i 96813

### STATE AGENCIES

6. Bruce A. Coppa, State Comptroller  
**Department of Accounting and General  
Services**  
1151 Punchbowl Street, #426  
Honolulu, Hawai'i 96813
  7. Russell Kokubun, Chair  
**Department of Agriculture**  
1428 South King Street  
Honolulu, Hawai'i 96814-2512
  8. Richard C. Kim, Interim Director  
State of Hawai'i  
**Department of Business, Economic  
Development & Tourism**  
P.O. Box 2359  
Honolulu, Hawai'i 96804
  9. Kathryn Matayoshi, Superintendent  
State of Hawai'i  
**Department of Education**  
P.O. Box 2360  
Honolulu, Hawai'i 96804
  10. Heidi Meeker  
Planning Division  
Office of Business Services  
**Department of Education**  
c/o Kalani High School  
4680 Kalaniana'ole Highway, #T-B1A  
Honolulu, Hawai'i 96821
- cc: Bruce Anderson, Complex  
Area Superintendent (Central/  
Upcountry Maui)

11. Alapaki Nahale-a, Chairman  
**Department of Hawaiian Home Lands**  
P. O. Box 1879  
Honolulu, Hawai'i 96805
12. Dr. Neal Palafox, Director  
State of Hawai'i  
**Department of Health**  
919 Ala Moana Blvd., Room 300  
Honolulu, Hawai'i 96814
13. Alec Wong, P.E., Chief  
**Clean Water Branch**  
State of Hawai'i  
**Department of Health**  
919 Ala Moana Blvd., Room 300  
Honolulu, Hawai'i 96814
14. Patti Kitkowski  
Acting District Environmental Health  
Program Chief  
State of Hawai'i  
**Department of Health**  
54 High Street  
Wailuku, Hawai'i 96793
15. William J. Aia, Jr., Interim Chairperson  
State of Hawai'i  
**Department of Land and Natural  
Resources**  
P. O. Box 621  
Honolulu, Hawai'i 96809
16. Administrator  
State of Hawai'i  
**Department of Land and Natural  
Resources**  
**State Historic Preservation Division**  
601 Kamokila Blvd., Room 555  
Kapolei, Hawai'i 96707
17. Glenn Okimoto, Director  
State of Hawai'i  
**Department of Transportation**  
869 Punchbowl Street  
Honolulu, Hawai'i 96813  
  
cc: Fred Cajigal
18. Major General Robert G.S. Lee, Director  
**Hawai'i State Civil Defense**  
3949 Diamond Head Road  
Honolulu, Hawai'i 96816-4495
19. Gary Gill, Director  
**Office Of Environmental Quality Control**  
235 S. Beretania Street, Suite 702  
Honolulu, Hawai'i 9681
20. Clyde Nāmu`o, Administrator  
**Office of Hawaiian Affairs**  
711 Kapiolani Boulevard, Suite 500  
Honolulu, Hawai'i 96813
21. Office of the Director  
State of Hawai'i  
**Office of Planning**  
P.O. Box 2359  
Honolulu, Hawai'i 96804
22. Dan Davidson, Executive Officer  
State of Hawai'i  
**State Land Use Commission**  
P.O. Box 2359  
Honolulu, Hawai'i 96804
- COUNTY AGENCIES**
23. Alan Arakawa, Mayor  
County of Maui  
200 South High Street  
Wailuku, Hawai'i 96793
24. Teena Rasmussen, Director  
County of Maui  
**Office of Economic Development**  
2200 Main Street, Suite 305  
Wailuku, Hawai'i 96793
25. Rebecca Lauricella, Acting Administrator  
**Maui Civil Defense Agency**  
200 South High Street  
Wailuku, Hawai'i 96793
26. Jo-Ann Ridao, Director  
County of Maui  
**Department of Housing and  
Human Concerns**  
One Main Plaza  
2200 Main Street, Suite 546  
Wailuku, Hawai'i 96793
27. Glenn Correa, Director  
County of Maui  
**Department of Parks and Recreation**  
700 Halia Nakoia Street, Unit 2  
Wailuku, Hawai'i 96793

28. William Spence, Director  
County of Maui  
**Department of Planning**  
250 South High Street  
Wailuku, Hawai'i 96793
29. Gary Yabuta, Chief  
County of Maui  
**Police Department**  
55 Mahalani Street  
Wailuku, Hawai'i 96793
30. David Goode, Director  
County of Maui  
**Department of Public Works**  
200 South High Street  
Wailuku, Hawai'i 96793
31. Kyle Ginoza, Director  
County of Maui  
**Department of Environmental Management**  
One Main Plaza  
2200 Main Street, Suite 100  
Wailuku, Hawai'i 96793
32. Jo Anne Johnson, Director  
County of Maui  
**Department of Transportation**  
200 South High Street  
Wailuku, Hawai'i 96793
33. David Taylor, Director  
County of Maui  
**Department of Water Supply**  
200 South High Street  
Wailuku, Hawai'i 96793
34. Danny Mateo, Council Chair  
**Maui County Council**  
200 South High Street  
Wailuku, Hawai'i 96793
35. Joseph Pontanilla, Council Vice Chair  
**Maui County Council**  
200 South High Street  
Wailuku, Hawai'i 96793
36. Councilmember Gladys Baisa  
**Maui County Council**  
200 South High Street  
Wailuku, Hawai'i 96793
37. Councilmember Robert Carroll  
**Maui County Council**  
200 South High Street  
Wailuku, Hawai'i 96793
38. Councilmember Elle Cochran  
**Maui County Council**  
200 South High Street  
Wailuku, Hawai'i 96793
39. Councilmember Don Couch  
**Maui County Council**  
200 South High Street  
Wailuku, Hawai'i 96793
40. Councilmember Riki Hokama  
**Maui County Council**  
200 South High Street  
Wailuku, Hawai'i 96793
41. Councilmember Mike White  
**Maui County Council**  
200 South High Street  
Wailuku, Hawai'i 96793
42. Councilmember Michael Victorino  
**Maui County Council**  
200 South High Street  
Wailuku, Hawai'i 96793
43. **Hawaiian Telcom**  
60 South Church Street  
Wailuku, Hawai'i 96793
44. Greg Kauhi, Manager, Customer Operations  
**Maui Electric Company, Ltd.**  
P.O. Box 398  
Kahului, Hawai'i 96733
45. **Ha'ikū Community Association**  
P. O. Box 1036  
Ha'ikū, Hawai'i 96708
46. **Pa'ia Main Street Association**  
c/o Jocelyn Perreira, Executive Director  
Wailuku Main Street Association  
1942 Main Street, Unit 101  
Wailuku, Hawai'i 96793
47. **Makawao Public Library**  
1159 Makawao Avenue  
Makawao, Hawai'i 96768



REPLY TO  
ATTENTION OF:

**DEPARTMENT OF THE ARMY**  
**U.S. ARMY CORPS OF ENGINEERS, HONOLULU DISTRICT**  
**FORT SHAFTER, HAWAII 96858-5440**

**JAN 18 2011**

January 12, 2011

Regulatory Branch

File No. POH-2009-00341

Mark Alexander Roy, AICP  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawai'i 96793

Dear Mr. Roy:

This is in response to your January 6, 2011 transmittal of the draft Environmental Assessment (dEA) for the proposed Haiku Fire Station and Related improvements located adjacent to, and above, Kui`aha Gulch, Haiku, Maui Island.

Your proposed project was reviewed pursuant to Section 10 of the Rivers and Harbors Act of 1899 (Section 10) and Section 404 of the Clean Water Act (Section 404). Section 10 requires that a Department of Army (DA) permit be obtained for certain structures or work in or affecting navigable waters of the United States (U.S.), prior to conducting the work (33 U.S.C. 403). Navigable waters of the U.S. are those waters subject to the ebb and flow of the tide shoreward to the mean high water mark, and/or other waters identified as navigable by the Honolulu District. In addition, a Section 10 permit is required for structures or work outside this limit if they affect the course, location, or condition of the waterbody as to its navigable capacity.

Section 404 requires that a DA permit be obtained for the placement or discharge of dredged and/or fill material into waters of the U.S., including wetlands, prior to conducting the work (33 U.S.C. 1344). For regulatory purposes, the U.S. Army Corps of Engineers (Corps) defines wetlands as those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. The area of Corps jurisdiction under Section 404 extends to the Mean Higher High Tide Line (MHHTL) or to the Ordinary High Water Mark (OHWM) for navigable waters other than the Pacific Ocean, and to the upland boundary of any adjacent wetlands.

Based on our review of the information you furnished by Mr. Farley Watanabe of my staff, we have determined the following:

1. The parcel upon which the Haiku Fire Station is to be constructed is an UPLAND location not subject to DA permit regulation.
2. The location of a proposed off-site waterline crossing is proposed to be placed above the OHWM of Kui`aha Gulch and supported on a 20-foot beam clear span with foundation supports. No discharge of fill material associated with the waterline structure is proposed

within the bed of Kui`aha Gulch. Therefore, DA authorization is not required pursuant to Section 404, Clean Water Act.

3. Kui`aha Gulch at the proposed waterline crossing location is not influenced by the ebb and flow of the tide. The navigable capacity of the Pacific Ocean will not be affected as no changes to the course, location, or condition of the tributary Kui`aha Gulch are proposed. Therefore, DA authorization is also not required pursuant to Section 10, Rivers and Harbors Act of 1899 for the proposed crossing and work.
5. The proposed artificial wetland to be constructed from UPLANDS between the fire station and Hana Highway will not be subject to Section 404, Clean Water Act, unless, and until, a surface water connection to Kuiaha Gulch is established for the discharge of artificial wetland waters.

If the Department of Fire and Public Safety, Maui County, anticipates discharging any dredged or fill material in Kui`aha Gulch as a result of a change in the waterline location, design, or mechanical construction access/egress, they will need to apply for and receive authorization from the Corps prior to starting such work. Our website can be accessed at <http://www.poh.usace.army.mil/EC-R/EC-R.htm> to download copies of the DA permit application materials that will be needed to completed and submitted to us in order to request authorization to perform any activities falling under the Corps' jurisdiction. As described in the application materials, plan and cross-section view drawings of proposed work will need to be included in 8 1/2 x 11 inch format.

This letter contains an approved JD for Kui`aha Gulch. If your client, Department of Fire and Public Safety, Maui County, objects to this determination, an Administrative Appeal under Corps regulations at 33 Code of Federal Regulations (CFR) Part 331 can be requested. We have enclosed a Notification of Appeal Process and Request For Appeal (NAP/RFA) form for Kuiaha Gulch. If you request to appeal the jurisdictional determination you must submit a completed NAP/RFA form to the Corps' Pacific Ocean Division office at the following address:

Thom Lichte, Appeals Review Officer  
U.S. Army Corps of Engineers  
Pacific Ocean Division, ATTN: CEPOD-PDC  
Building 525  
Fort Shafter, HI 96858-5440

In order for an NAP/RFA to be accepted by the Corps, the Corps must determine that the RFA is complete, that it meets the criteria for appeal under 33 CFR Part 331.5, and that it has been received by the Division office within 60 days of the date of the NAP/RFA sheet. If you decide to submit an NAP/RFA form, it must be received at the above address by March 12, 2011. It is not necessary to submit an NAP/RFA form to the Division office if you do not object to the determination in this letter. You may contact Mr. Lichte at (808) 438-0397.

This jurisdictional determination is valid for a period of five (5) years from the date of this letter unless new information warrants revision of the delineation before the expiration date.

Thank you for giving us the opportunity to review this proposal and for your cooperation with our regulatory program. Please be advised you can provide comments on your experience with the Honolulu District Regulatory Branch by accessing our web-based customer survey form at <http://per2.nwp.usace.army.mil/survey.html>.

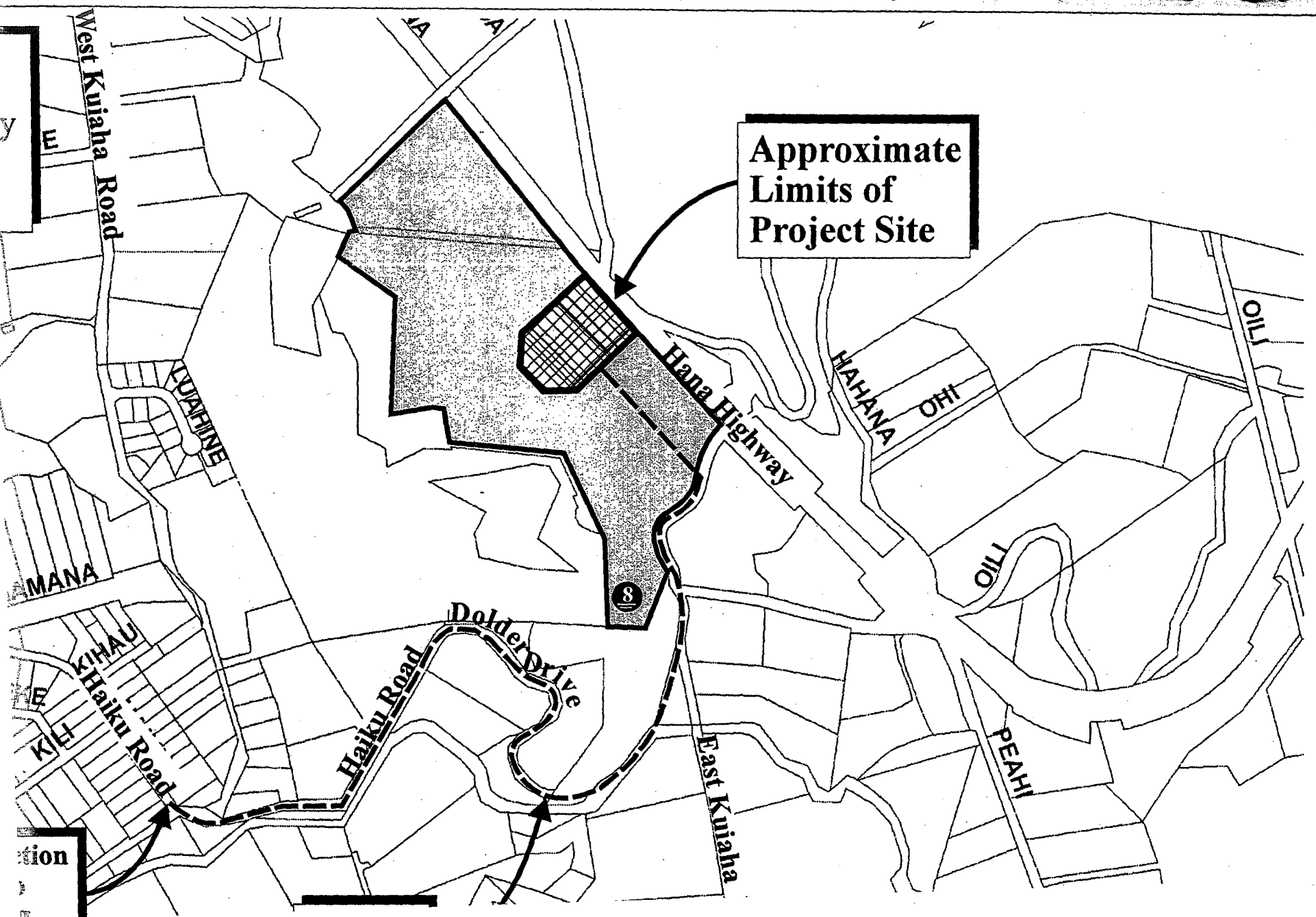
Should you have any questions, please contact Mr. Farley Watanabe of this office at the above address, by telephone 808-438-7701 (FAX: 808-438-4060), or by E-Mail at [Farley.K.Watanabe@usace.army.mil](mailto:Farley.K.Watanabe@usace.army.mil). Please refer to File No. POH-2009-00341 in all future communications with this office regarding this or other projects at this location.

Sincerely,

A handwritten signature in black ink, appearing to read 'George P. Young', with a long horizontal flourish extending to the right.

George P. Young, P.E.  
Chief, Regulatory Branch

Attachments  
Complete Project Location  
Jurisdictional Determination  
Flowchart  
NAP/RFA



Approximate  
Limits of  
Project Site

**APPROVED JURISDICTIONAL DETERMINATION FORM**  
**U.S. Army Corps of Engineers**

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

**SECTION I: BACKGROUND INFORMATION**

**A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 11 January 2011**

**B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Construct NewHaiku Fire Station Project, POH-2009-00341, Maui**

**C. PROJECT LOCATION AND BACKGROUND INFORMATION:**

State: HI County/parish/borough: Maui City: Haiku  
Center coordinates of site (lat/long in degree decimal format): Lat. 20.91783° N, Long. -156.303619° W.  
Universal Transverse Mercator:

Name of nearest waterbody: Kuiaha Stream

Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Pacific Ocean

Name of watershed or Hydrologic Unit Code (HUC): COWRM 6028-Kuiaha

Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.

Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a different JD form.

**D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):**

Office (Desk) Determination. Date: 11 Jan 2011

Field Determination. Date(s):

**SECTION II: SUMMARY OF FINDINGS**

**A. RHA SECTION 10 DETERMINATION OF JURISDICTION.**

There **Are no** "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [Required]

Waters subject to the ebb and flow of the tide.

Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

Explain:

**B. CWA SECTION 404 DETERMINATION OF JURISDICTION.**

There **Are** "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required]

**1. Waters of the U.S.**

**a. Indicate presence of waters of U.S. in review area (check all that apply):<sup>1</sup>**

- TNWs, including territorial seas
- Wetlands adjacent to TNWs
- Relatively permanent waters<sup>2</sup> (RPWs) that flow directly or indirectly into TNWs
- Non-RPWs that flow directly or indirectly into TNWs
- Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
- Impoundments of jurisdictional waters
- Isolated (interstate or intrastate) waters, including isolated wetlands

**b. Identify (estimate) size of waters of the U.S. in the review area:**

Non-wetland waters: 0.0 linear feet: 0.0 width (ft) and/or 0.0 acres.

Wetlands: 0.0 acres.

**c. Limits (boundaries) of jurisdiction based on: Not established at this time.**

Elevation of established OHWM (if known):

**2. Non-regulated waters/wetlands (check if applicable):<sup>3</sup>**

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.

Explain:

<sup>1</sup> Boxes checked below shall be supported by completing the appropriate sections in Section III below.

<sup>2</sup> For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

<sup>3</sup> Supporting documentation is presented in Section III.F.



### SECTION III: CWA ANALYSIS

#### A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW

Identify TNW: .

Summarize rationale supporting determination:

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is "adjacent": .

#### B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are "relatively permanent waters" (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. **Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.**

If the waterbody<sup>4</sup> is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

##### 1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:

Watershed size: 5.7 square miles

Drainage area: 5.7 square miles

Average annual rainfall: 30 inches

Average annual snowfall: inches

(ii) Physical Characteristics:

(a) Relationship with TNW:

Tributary flows directly into TNW.

Tributary flows through 2 tributaries before entering TNW.

Project waters are 2-5 river miles from TNW.

Project waters are 1 (or less) river miles from RPW.

Project waters are 2-5 aerial (straight) miles from TNW.

Project waters are 1 (or less) aerial (straight) miles from RPW.

Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW<sup>5</sup>: East Kuiaha to Kuiaha to Pacific Ocean.

Tributary stream order, if known: 2.

<sup>4</sup> Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

<sup>5</sup> Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

(b) General Tributary Characteristics (check all that apply):

Tributary is:  Natural  
 Artificial (man-made). Explain:  
 Manipulated (man-altered). Explain:

Tributary properties with respect to top of bank (estimate):

Average width: 40 feet  
Average depth: feet  
Average side slopes: **4:1 (or greater)**.

Primary tributary substrate composition (check all that apply):

Silts  Sands  Concrete  
 Cobbles  Gravel  Muck  
 Bedrock  Vegetation. Type/% cover:  
 Other. Explain:

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain:

Presence of run/riffle/pool complexes. Explain: at lower perennial reaches.

Tributary geometry: **Meandering**

Tributary gradient (approximate average slope): 10 %

(c) Flow:

Tributary provides for: **Intermittent but not seasonal flow**

Estimate average number of flow events in review area/year: **2-5**

Describe flow regime: **flashy**.

Other information on duration and volume:

Surface flow is: **Discrete and confined**. Characteristics:

Subsurface flow: **Pick List**. Explain findings:

Dye (or other) test performed:

Tributary has (check all that apply):

Bed and banks  
 OHWM<sup>6</sup> (check all indicators that apply):  
 clear, natural line impressed on the bank  the presence of litter and debris  
 changes in the character of soil  destruction of terrestrial vegetation  
 shelving  the presence of wrack line  
 vegetation matted down, bent, or absent  sediment sorting  
 leaf litter disturbed or washed away  scour  
 sediment deposition  multiple observed or predicted flow events  
 water staining  abrupt change in plant community  
 other (list):  
 Discontinuous OHWM.<sup>7</sup> Explain:

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

High Tide Line indicated by:  Mean High Water Mark indicated by:  
 oil or scum line along shore objects  survey to available datum;  
 fine shell or debris deposits (foreshore)  physical markings;  
 physical markings/characteristics  vegetation lines/changes in vegetation types.  
 tidal gauges  
 other (list):

(iii) **Chemical Characteristics:**

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).

Explain: **tannin-clear**.

Identify specific pollutants, if known:

<sup>6</sup>A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.

<sup>7</sup>Ibid.

(iv) **Biological Characteristics. Channel supports (check all that apply):**

- Riparian corridor. Characteristics (type, average width):
- Wetland fringe. Characteristics:
- Habitat for:
  - Federally Listed species. Explain findings:
  - Fish/spawn areas. Explain findings:
  - Other environmentally-sensitive species. Explain findings:
  - Aquatic/wildlife diversity. Explain findings:

2. **Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW**

(i) **Physical Characteristics:**

(a) General Wetland Characteristics:

Properties:

Wetland size:        acres

Wetland type. Explain:

Wetland quality. Explain:

Project wetlands cross or serve as state boundaries. Explain:

(b) General Flow Relationship with Non-TNW:

Flow is: **Pick List**. Explain:

Surface flow is: **Pick List**

Characteristics:

Subsurface flow: **Pick List**. Explain findings:

Dye (or other) test performed:

(c) Wetland Adjacency Determination with Non-TNW:

Directly abutting

Not directly abutting

Discrete wetland hydrologic connection. Explain:

Ecological connection. Explain:

Separated by berm/barrier. Explain: reservoir is artificial wetland.

(d) Proximity (Relationship) to TNW

Project wetlands are **Pick List** river miles from TNW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Flow is from: **Pick List**.

Estimate approximate location of wetland as within the **Pick List** floodplain.

(ii) **Chemical Characteristics:**

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain:

Identify specific pollutants, if known:

(iii) **Biological Characteristics. Wetland supports (check all that apply):**

- Riparian buffer. Characteristics (type, average width):
- Vegetation type/percent cover. Explain:
- Habitat for:
  - Federally Listed species. Explain findings:
  - Fish/spawn areas. Explain findings:
  - Other environmentally-sensitive species. Explain findings:
  - Aquatic/wildlife diversity. Explain findings:

3. **Characteristics of all wetlands adjacent to the tributary (if any)**

All wetland(s) being considered in the cumulative analysis: **2**

Approximately (        ) acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N)

Size (in acres)

Directly abuts? (Y/N)

Size (in acres)

Summarize overall biological, chemical and physical functions being performed: water and sediment retention.

### C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D:NON-RPW has capacity to carry pollutants(ag pesticides/herbicides) and suspended nutrients and organic carbon in flood waters to TNW (Pacific Ocean) or to reduce same to TNW; .
2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:
3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:

### D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:  
 TNWs: linear feet width (ft), Or, acres.  
 Wetlands adjacent to TNWs: acres.
2. **RPWs that flow directly or indirectly into TNWs.**  
 Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial:  
 Tributaries of TNW where tributaries have continuous flow "seasonally" (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally: artificial impoundment has potential to release excess waters to RPW tributaries.

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
  - Other non-wetland waters: acres.
- Identify type(s) of waters: .

3. **Non-RPWs<sup>8</sup> that flow directly or indirectly into TNWs.**

- Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):

- Tributary waters: **40** linear feet width (ft).
  - Other non-wetland waters: acres.
- Identify type(s) of waters: .

4. **Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.**

- Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
- Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .
- Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

5. **Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.**

- Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

6. **Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.**

- Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: acres.

7. **Impoundments of jurisdictional waters.<sup>9</sup>**

As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.

- Demonstrate that impoundment was created from "waters of the U.S.," or
- Demonstrate that water meets the criteria for one of the categories presented above (1-6), or
- Demonstrate that water is isolated with a nexus to commerce (see E below).

E. **ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):<sup>10</sup>**

- which are or could be used by interstate or foreign travelers for recreational or other purposes.
- from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
- which are or could be used for industrial purposes by industries in interstate commerce.
- Interstate isolated waters. Explain: .
- Other factors. Explain: .

<sup>8</sup>See Footnote # 3.

<sup>9</sup> To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

<sup>10</sup> Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.

**Identify water body and summarize rationale supporting determination:**

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet      width (ft).
- Other non-wetland waters:      acres.
- Identify type(s) of waters:      .
- Wetlands: acres.

**F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):**

- If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.
- Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.
  - Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR).
- Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain:      .
- Other: (explain, if not covered above):

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):

- Non-wetland waters (i.e., rivers, streams):      linear feet      width (ft).
- Lakes/ponds:      acres.
- Other non-wetland waters:      acres. List type of aquatic resource:      .
- Wetlands:      acres.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (check all that apply):

- Non-wetland waters (i.e., rivers, streams):      linear feet,      width (ft).
- Lakes/ponds:      acres.
- Other non-wetland waters: 15+acres. List type of aquatic resource: none.
- Wetlands:      acres.

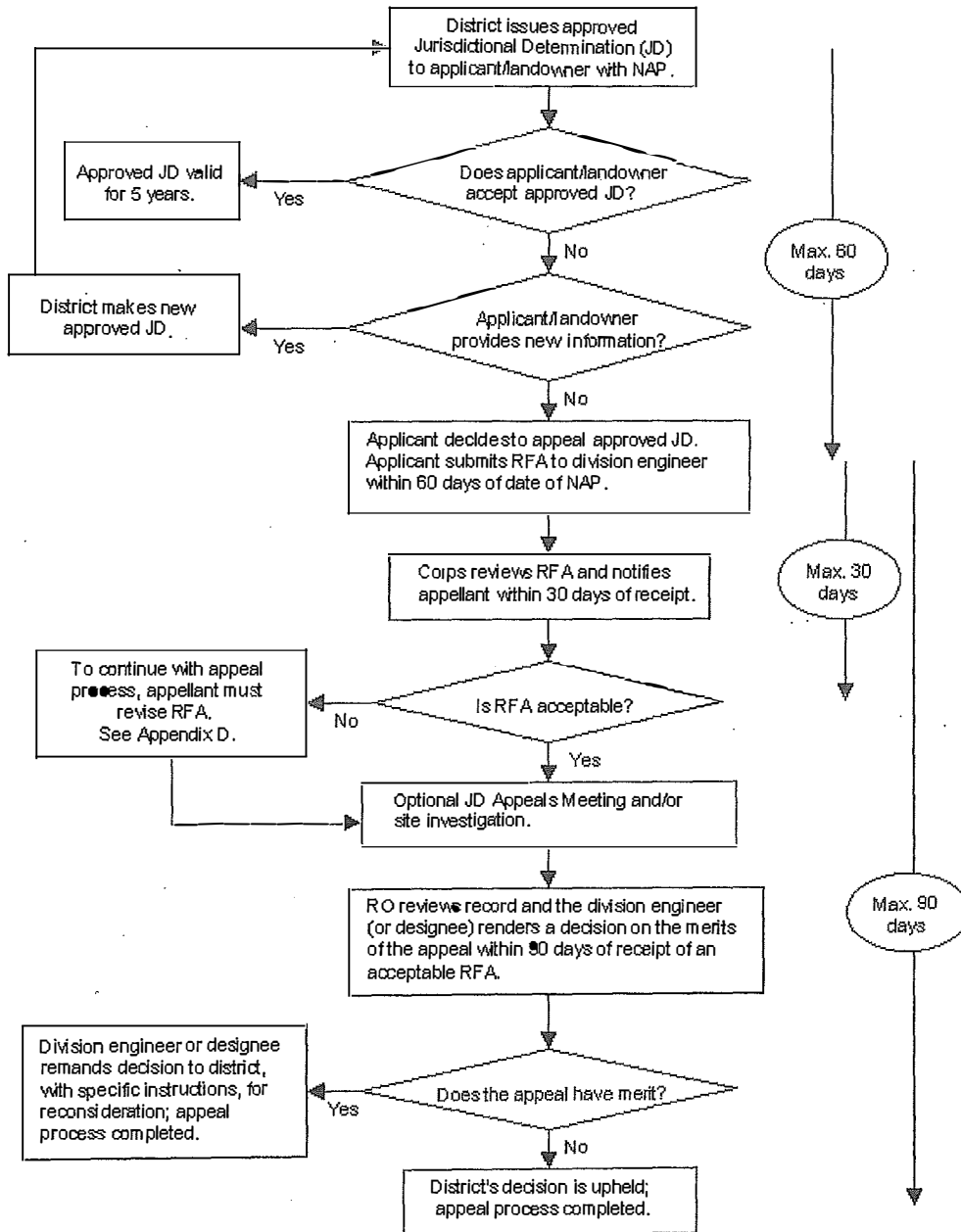
**SECTION IV: DATA SOURCES.**

**A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):**

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant:
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
  - Office concurs with data sheets/delineation report.
  - Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps:
- Corps navigable waters' study:
- U.S. Geological Survey Hydrologic Atlas:
  - USGS NHD data.
  - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: 1:24000.
- USDA Natural Resources Conservation Service Soil Survey. Citation:      .
- National wetlands inventory map(s). Cite name:      .
- State/Local wetland inventory map(s):      .
- FEMA/FIRM maps:
- 100-year Floodplain Elevation is:      (National Geodetic Vertical Datum of 1929)
- Photographs:  Aerial (Name & Date):      .  
    or  Other (Name & Date):      .
- Previous determination(s). File no. and date of response letter:      .
- Applicable/supporting case law:      .
- Applicable/supporting scientific literature:      .
- Other information (please specify): DAR & COWRM, DLNR dBases.

**B. ADDITIONAL COMMENTS TO SUPPORT JD:**

## Administrative Appeal Process for Approved Jurisdictional Determinations



**Appendix C**

**NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND  
REQUEST FOR APPEAL**

Applicant: Dept. Fire & Public Safety, County of Maui	File Number: POH-2009-00341	Date: 11 Jan 2011
Attached is:		See Section below
	INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)	A
	PROFFERED PERMIT (Standard Permit or Letter of permission)	B
	PERMIT DENIAL	C
XX	APPROVED JURISDICTIONAL DETERMINATION	D
	PRELIMINARY JURISDICTIONAL DETERMINATION	E

**SECTION I -** The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at [http://www.usace.army.mil/CECW/Pages/reg\\_materials.aspx](http://www.usace.army.mil/CECW/Pages/reg_materials.aspx) or Corps regulations at 33 CFR Part 331.

**A: INITIAL PROFFERED PERMIT:** You may accept or object to the permit.

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **OBJECT:** If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

**B: PROFFERED PERMIT:** You may accept or appeal the permit

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **APPEAL:** If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

**C: PERMIT DENIAL:** You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

**D: APPROVED JURISDICTIONAL DETERMINATION:** You may accept or appeal the approved JD or provide new information.

- **ACCEPT:** You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
- **APPEAL:** If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

**E: PRELIMINARY JURISDICTIONAL DETERMINATION:** You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.



**SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT**

**REASONS FOR APPEAL OR OBJECTIONS:** (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

**ADDITIONAL INFORMATION:** The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

**POINT OF CONTACT FOR QUESTIONS OR INFORMATION:**

If you have questions regarding this decision and/or the appeal process you may contact:  
Farley K. Watanabe (808)438-7701  
U.S. Army Corps of Engineers, Honolulu District  
CEPOH-EC-R, Bldg 230  
Fort Shafter, HI 96858-5440

If you only have questions regarding the appeal process you may also contact:  
Thom Lichte (808) 438-0397  
U.S. Army Corps of Engineers  
CEPOD-RBT, Bldg 525  
Fort Shafter, HI 96858-5440

**RIGHT OF ENTRY:** Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day notice of any site investigation, and will have the opportunity to participate in all site investigations.

\_\_\_\_\_  
Signature of appellant or agent.

Date:

Telephone number:

February 5, 2024

Via email: [CEPOH-RO@usace.army.mil](mailto:CEPOH-RO@usace.army.mil)

Leah Fisher, Interim Chief  
U.S. Army Corps of Engineers, Honolulu  
District Regulatory Branch  
Building 230  
Fort Shafter, Hawai'i 96858-5440

SUBJECT: Proposed Ha'ikū Fire Station Project and Related Improvements at  
TMK (2) 2-7-007:008(por.), Maui, Hawai'i (File No. POH-2009-  
00341)

Dear Ms. Fisher:

Thank you for your department's letter dated January 12, 2011 providing comments on the 2011 Draft Environmental Assessment (DEA) and land use entitlement requests (State Land Use Commission District Boundary Amendment, Community Plan Amendment, and Change of Zoning) for the proposed project. See **Exhibit "A"**.

We are writing to you today on behalf of the County of Maui, Department of Fire & Public Safety (DF&PS) to provide you with an update on the status of the proposed Ha'ikū Fire Station project. Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawai'i Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide

Leah Fisher, Interim Chief  
February 5, 2024  
Page 2

additional comments prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) to complete the environmental review process pursuant to HAR, Chapter 11-200. In light of the project resuming, we offer the following information in response to the comments presented in your 2011 letter:

1. We note the determination that the project site is situated in an upland location and is not subject to regulation by the Department of Army (DA).
2. We thank you for providing a copy of the Jurisdictional Determination for Kuiaha Gulch as an attachment to your comment letter. We further note and acknowledge that review by your office of the proposed offsite waterline crossing over Kuiaha Gulch has resulted in a determination that DA authorization (Section 404 and Section 10) is not required for this particular project component. Since the project scope has been altered, the project no longer necessitates the waterline to cross over the Kuiaha Gulch.
3. We also note your office's determination that there are no Section 404 DA permitting requirements for the ecological wastewater system component of the project. The ecological wastewater system is no longer proposed for this project.
4. Based on the foregoing determinations, it is our understanding that there are no Section 404 or Section 10 DA permitting requirements triggered by the proposed Ha'ikū Fire Station Project and related improvements.

We appreciate the input provided by your office. A copy of your comment letter and this response letter will be included in the Updated DEA for the project. Should you have any questions, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



Hoku Krueger  
Associate

HK:yp

cc: Bradford Ventura, County of Maui, Department of Fire and Public Safety  
Rylan Yatsushiro, County of Maui, Department of Fire and Public Safety  
Terry McFarland, Architects Hawaii, Ltd.  
Diane Kodama, AECOM

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**EXHIBIT A.**



REPLY TO  
ATTENTION OF:

**DEPARTMENT OF THE ARMY**  
**U.S. ARMY CORPS OF ENGINEERS, HONOLULU DISTRICT**  
**FORT SHAFTER, HAWAII 96858-5440**

**JAN 18 2011**

January 12, 2011

Regulatory Branch

File No. POH-2009-00341

Mark Alexander Roy, AICP  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawai'i 96793

Dear Mr. Roy:

This is in response to your January 6, 2011 transmittal of the draft Environmental Assessment (dEA) for the proposed Haiku Fire Station and Related improvements located adjacent to, and above, Kui`aha Gulch, Haiku, Maui Island.

Your proposed project was reviewed pursuant to Section 10 of the Rivers and Harbors Act of 1899 (Section 10) and Section 404 of the Clean Water Act (Section 404). Section 10 requires that a Department of Army (DA) permit be obtained for certain structures or work in or affecting navigable waters of the United States (U.S.), prior to conducting the work (33 U.S.C. 403). Navigable waters of the U.S. are those waters subject to the ebb and flow of the tide shoreward to the mean high water mark, and/or other waters identified as navigable by the Honolulu District. In addition, a Section 10 permit is required for structures or work outside this limit if they affect the course, location, or condition of the waterbody as to its navigable capacity.

Section 404 requires that a DA permit be obtained for the placement or discharge of dredged and/or fill material into waters of the U.S., including wetlands, prior to conducting the work (33 U.S.C. 1344). For regulatory purposes, the U.S. Army Corps of Engineers (Corps) defines wetlands as those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. The area of Corps jurisdiction under Section 404 extends to the Mean Higher High Tide Line (MHHTL) or to the Ordinary High Water Mark (OHWM) for navigable waters other than the Pacific Ocean, and to the upland boundary of any adjacent wetlands.

Based on our review of the information you furnished by Mr. Farley Watanabe of my staff, we have determined the following:

1. The parcel upon which the Haiku Fire Station is to be constructed is an UPLAND location not subject to DA permit regulation.
2. The location of a proposed off-site waterline crossing is proposed to be placed above the OHWM of Kui`aha Gulch and supported on a 20-foot beam clear span with foundation supports. No discharge of fill material associated with the waterline structure is proposed

within the bed of Kui`aha Gulch. Therefore, DA authorization is not required pursuant to Section 404, Clean Water Act.

3. Kui`aha Gulch at the proposed waterline crossing location is not influenced by the ebb and flow of the tide. The navigable capacity of the Pacific Ocean will not be affected as no changes to the course, location, or condition of the tributary Kui`aha Gulch are proposed. Therefore, DA authorization is also not required pursuant to Section 10, Rivers and Harbors Act of 1899 for the proposed crossing and work.
5. The proposed artificial wetland to be constructed from UPLANDS between the fire station and Hana Highway will not be subject to Section 404, Clean Water Act, unless, and until, a surface water connection to Kuiaha Gulch is established for the discharge of artificial wetland waters.

If the Department of Fire and Public Safety, Maui County, anticipates discharging any dredged or fill material in Kui`aha Gulch as a result of a change in the waterline location, design, or mechanical construction access/egress, they will need to apply for and receive authorization from the Corps prior to starting such work. Our website can be accessed at <http://www.poh.usace.army.mil/EC-R/EC-R.htm> to download copies of the DA permit application materials that will be needed to completed and submitted to us in order to request authorization to perform any activities falling under the Corps' jurisdiction. As described in the application materials, plan and cross-section view drawings of proposed work will need to be included in 8 1/2 x 11 inch format.

This letter contains an approved JD for Kui`aha Gulch. If your client, Department of Fire and Public Safety, Maui County, objects to this determination, an Administrative Appeal under Corps regulations at 33 Code of Federal Regulations (CFR) Part 331 can be requested. We have enclosed a Notification of Appeal Process and Request For Appeal (NAP/RFA) form for Kuiaha Gulch. If you request to appeal the jurisdictional determination you must submit a completed NAP/RFA form to the Corps' Pacific Ocean Division office at the following address:

Thom Lichte, Appeals Review Officer  
U.S. Army Corps of Engineers  
Pacific Ocean Division, ATTN: CEPOD-PDC  
Building 525  
Fort Shafter, HI 96858-5440

In order for an NAP/RFA to be accepted by the Corps, the Corps must determine that the RFA is complete, that it meets the criteria for appeal under 33 CFR Part 331.5, and that it has been received by the Division office within 60 days of the date of the NAP/RFA sheet. If you decide to submit an NAP/RFA form, it must be received at the above address by March 12, 2011. It is not necessary to submit an NAP/RFA form to the Division office if you do not object to the determination in this letter. You may contact Mr. Lichte at (808) 438-0397.

This jurisdictional determination is valid for a period of five (5) years from the date of this letter unless new information warrants revision of the delineation before the expiration date.

Thank you for giving us the opportunity to review this proposal and for your cooperation with our regulatory program. Please be advised you can provide comments on your experience with the Honolulu District Regulatory Branch by accessing our web-based customer survey form at <http://per2.nwp.usace.army.mil/survey.html>.

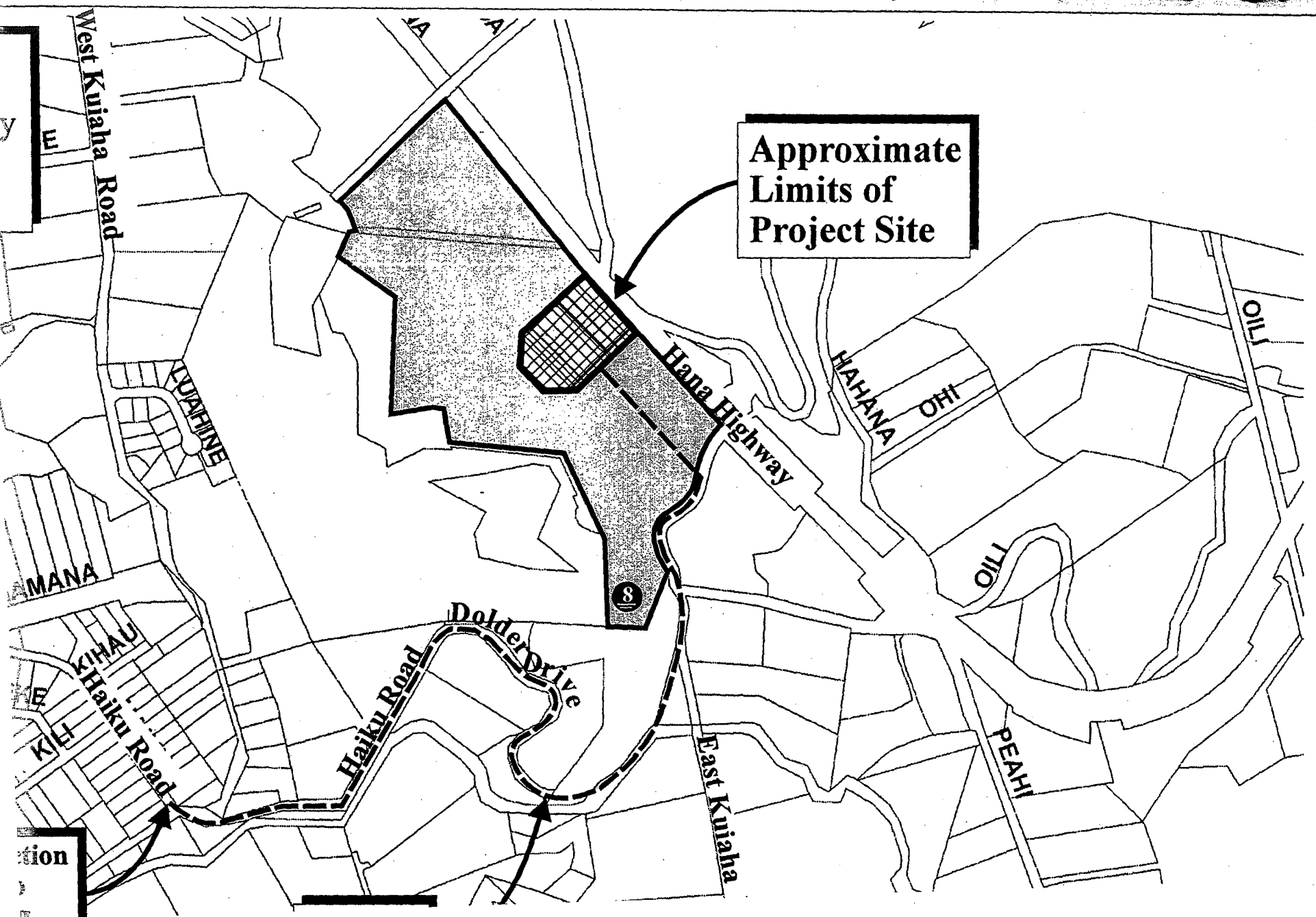
Should you have any questions, please contact Mr. Farley Watanabe of this office at the above address, by telephone 808-438-7701 (FAX: 808-438-4060), or by E-Mail at [Farley.K.Watanabe@usace.army.mil](mailto:Farley.K.Watanabe@usace.army.mil). Please refer to File No. POH-2009-00341 in all future communications with this office regarding this or other projects at this location.

Sincerely,



George P. Young, P.E.  
Chief, Regulatory Branch

Attachments  
Complete Project Location  
Jurisdictional Determination  
Flowchart  
NAP/RFA



Approximate  
Limits of  
Project Site

West Kuaia Road

Haiku Highway

Haiku Road

Dolder Drive

East Kuaia

ation



**APPROVED JURISDICTIONAL DETERMINATION FORM**  
**U.S. Army Corps of Engineers**

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

**SECTION I: BACKGROUND INFORMATION**

**A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 11 January 2011**

**B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Construct NewHaiku Fire Station Project, POH-2009-00341, Maui**

**C. PROJECT LOCATION AND BACKGROUND INFORMATION:**

State: HI County/parish/borough: Maui City: Haiku  
Center coordinates of site (lat/long in degree decimal format): Lat. 20.91783° N, Long. -156.303619° W.  
Universal Transverse Mercator:

Name of nearest waterbody: Kuiaha Stream

Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Pacific Ocean

Name of watershed or Hydrologic Unit Code (HUC): COWRM 6028-Kuiaha

Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.

Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a different JD form.

**D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):**

Office (Desk) Determination. Date: 11 Jan 2011

Field Determination. Date(s):

**SECTION II: SUMMARY OF FINDINGS**

**A. RHA SECTION 10 DETERMINATION OF JURISDICTION.**

There **Are no** "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [Required]

Waters subject to the ebb and flow of the tide.

Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

Explain:

**B. CWA SECTION 404 DETERMINATION OF JURISDICTION.**

There **Are** "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required]

**1. Waters of the U.S.**

**a. Indicate presence of waters of U.S. in review area (check all that apply):<sup>1</sup>**

- TNWs, including territorial seas
- Wetlands adjacent to TNWs
- Relatively permanent waters<sup>2</sup> (RPWs) that flow directly or indirectly into TNWs
- Non-RPWs that flow directly or indirectly into TNWs
- Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
- Impoundments of jurisdictional waters
- Isolated (interstate or intrastate) waters, including isolated wetlands

**b. Identify (estimate) size of waters of the U.S. in the review area:**

Non-wetland waters: 0.0 linear feet: 0.0 width (ft) and/or 0.0 acres.

Wetlands: 0.0 acres.

**c. Limits (boundaries) of jurisdiction based on: Not established at this time.**

Elevation of established OHWM (if known):

**2. Non-regulated waters/wetlands (check if applicable):<sup>3</sup>**

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.

Explain:

<sup>1</sup> Boxes checked below shall be supported by completing the appropriate sections in Section III below.

<sup>2</sup> For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

<sup>3</sup> Supporting documentation is presented in Section III.F.

### SECTION III: CWA ANALYSIS

#### A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW

Identify TNW: .

Summarize rationale supporting determination:

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is "adjacent": .

#### B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are "relatively permanent waters" (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. **Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.**

If the waterbody<sup>4</sup> is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

##### 1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:

Watershed size: 5.7 square miles

Drainage area: 5.7 square miles

Average annual rainfall: 30 inches

Average annual snowfall: inches

(ii) Physical Characteristics:

(a) Relationship with TNW:

Tributary flows directly into TNW.

Tributary flows through 2 tributaries before entering TNW.

Project waters are 2-5 river miles from TNW.

Project waters are 1 (or less) river miles from RPW.

Project waters are 2-5 aerial (straight) miles from TNW.

Project waters are 1 (or less) aerial (straight) miles from RPW.

Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW<sup>5</sup>: East Kuiaha to Kuiaha to Pacific Ocean.

Tributary stream order, if known: 2.

<sup>4</sup> Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

<sup>5</sup> Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

(b) General Tributary Characteristics (check all that apply):

Tributary is:  Natural  
 Artificial (man-made). Explain:  
 Manipulated (man-altered). Explain:

Tributary properties with respect to top of bank (estimate):

Average width: 40 feet  
Average depth: feet  
Average side slopes: **4:1 (or greater)**.

Primary tributary substrate composition (check all that apply):

Silts  Sands  Concrete  
 Cobbles  Gravel  Muck  
 Bedrock  Vegetation. Type/% cover:  
 Other. Explain:

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain:

Presence of run/riffle/pool complexes. Explain: at lower perennial reaches.

Tributary geometry: **Meandering**

Tributary gradient (approximate average slope): 10 %

(c) Flow:

Tributary provides for: **Intermittent but not seasonal flow**

Estimate average number of flow events in review area/year: **2-5**

Describe flow regime: **flashy**.

Other information on duration and volume:

Surface flow is: **Discrete and confined**. Characteristics:

Subsurface flow: **Pick List**. Explain findings:

Dye (or other) test performed:

Tributary has (check all that apply):

Bed and banks  
 OHWM<sup>6</sup> (check all indicators that apply):  
 clear, natural line impressed on the bank  the presence of litter and debris  
 changes in the character of soil  destruction of terrestrial vegetation  
 shelving  the presence of wrack line  
 vegetation matted down, bent, or absent  sediment sorting  
 leaf litter disturbed or washed away  scour  
 sediment deposition  multiple observed or predicted flow events  
 water staining  abrupt change in plant community  
 other (list):  
 Discontinuous OHWM.<sup>7</sup> Explain:

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

High Tide Line indicated by:  Mean High Water Mark indicated by:  
 oil or scum line along shore objects  survey to available datum;  
 fine shell or debris deposits (foreshore)  physical markings;  
 physical markings/characteristics  vegetation lines/changes in vegetation types.  
 tidal gauges  
 other (list):

(iii) **Chemical Characteristics:**

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).

Explain: **tannin-clear**.

Identify specific pollutants, if known:

<sup>6</sup>A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.

<sup>7</sup>Ibid.

(iv) **Biological Characteristics. Channel supports (check all that apply):**

- Riparian corridor. Characteristics (type, average width):
- Wetland fringe. Characteristics:
- Habitat for:
  - Federally Listed species. Explain findings:
  - Fish/spawn areas. Explain findings:
  - Other environmentally-sensitive species. Explain findings:
  - Aquatic/wildlife diversity. Explain findings:

2. **Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW**

(i) **Physical Characteristics:**

(a) General Wetland Characteristics:

Properties:

Wetland size:        acres

Wetland type. Explain:

Wetland quality. Explain:

Project wetlands cross or serve as state boundaries. Explain:

(b) General Flow Relationship with Non-TNW:

Flow is: **Pick List**. Explain:

Surface flow is: **Pick List**

Characteristics:

Subsurface flow: **Pick List**. Explain findings:

Dye (or other) test performed:

(c) Wetland Adjacency Determination with Non-TNW:

Directly abutting

Not directly abutting

Discrete wetland hydrologic connection. Explain:

Ecological connection. Explain:

Separated by berm/barrier. Explain: reservoir is artificial wetland.

(d) Proximity (Relationship) to TNW

Project wetlands are **Pick List** river miles from TNW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Flow is from: **Pick List**.

Estimate approximate location of wetland as within the **Pick List** floodplain.

(ii) **Chemical Characteristics:**

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain:

Identify specific pollutants, if known:

(iii) **Biological Characteristics. Wetland supports (check all that apply):**

- Riparian buffer. Characteristics (type, average width):
- Vegetation type/percent cover. Explain:
- Habitat for:
  - Federally Listed species. Explain findings:
  - Fish/spawn areas. Explain findings:
  - Other environmentally-sensitive species. Explain findings:
  - Aquatic/wildlife diversity. Explain findings:

3. **Characteristics of all wetlands adjacent to the tributary (if any)**

All wetland(s) being considered in the cumulative analysis: **2**

Approximately (        ) acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N)

Size (in acres)

Directly abuts? (Y/N)

Size (in acres)

Summarize overall biological, chemical and physical functions being performed: water and sediment retention.

### C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D:NON-RPW has capacity to carry pollutants(ag pesticides/herbicides) and suspended nutrients and organic carbon in flood waters to TNW (Pacific Ocean) or to reduce same to TNW; .
2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:
3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:

### D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:  
 TNWs: linear feet width (ft), Or, acres.  
 Wetlands adjacent to TNWs: acres.
2. **RPWs that flow directly or indirectly into TNWs.**  
 Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial:  
 Tributaries of TNW where tributaries have continuous flow "seasonally" (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally: artificial impoundment has potential to release excess waters to RPW tributaries.

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).  
 Other non-wetland waters: acres.  
Identify type(s) of waters: .

3. **Non-RPWs<sup>8</sup> that flow directly or indirectly into TNWs.**

- Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):

- Tributary waters: **40** linear feet width (ft).  
 Other non-wetland waters: acres.  
Identify type(s) of waters: .

4. **Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.**

- Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.  
 Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .  
 Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

5. **Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.**

- Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

6. **Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.**

- Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: acres.

7. **Impoundments of jurisdictional waters.<sup>9</sup>**

As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.

- Demonstrate that impoundment was created from "waters of the U.S.," or  
 Demonstrate that water meets the criteria for one of the categories presented above (1-6), or  
 Demonstrate that water is isolated with a nexus to commerce (see E below).

E. **ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):<sup>10</sup>**

- which are or could be used by interstate or foreign travelers for recreational or other purposes.  
 from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.  
 which are or could be used for industrial purposes by industries in interstate commerce.  
 Interstate isolated waters. Explain: .  
 Other factors. Explain: .

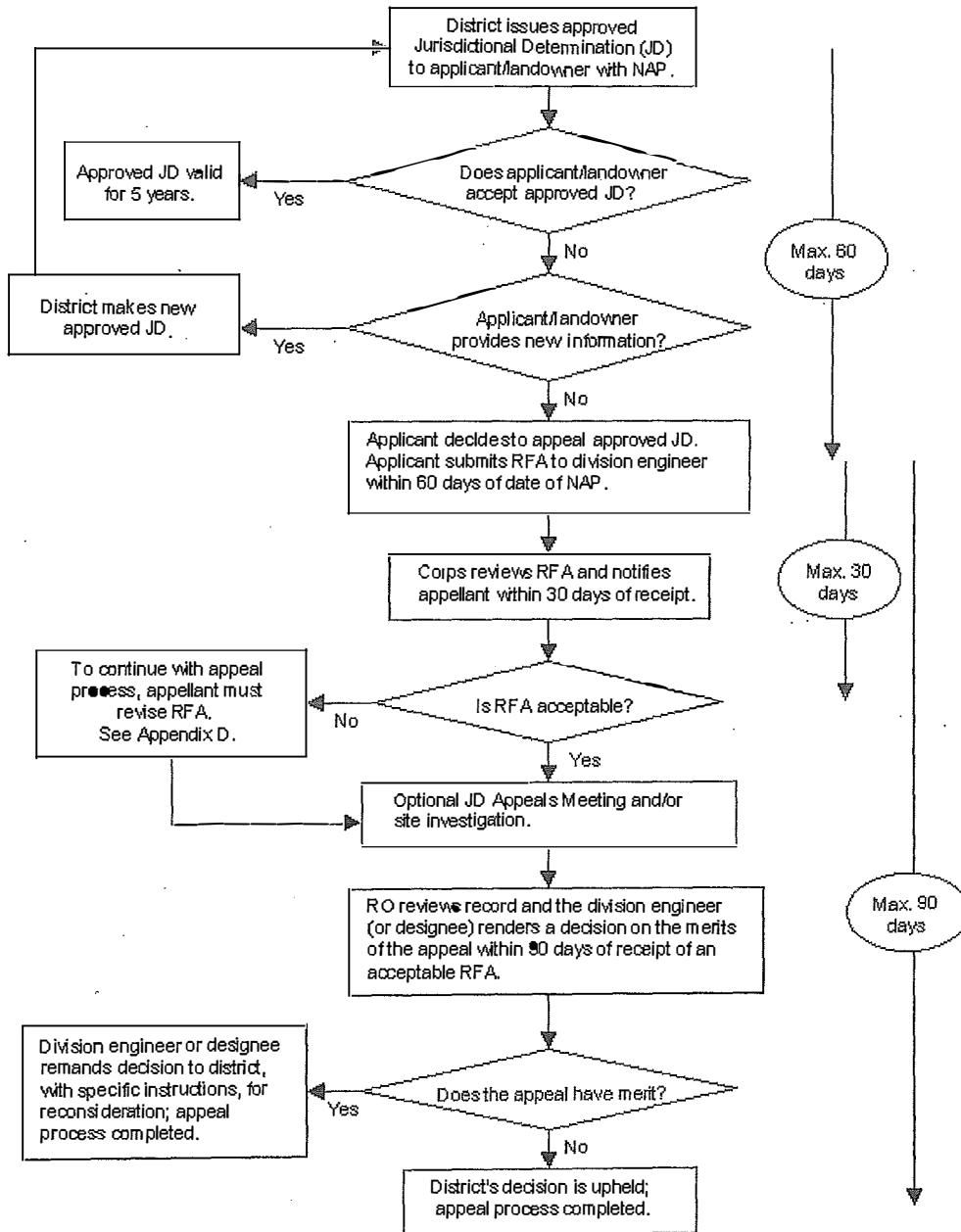
<sup>8</sup>See Footnote # 3.

<sup>9</sup>To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

<sup>10</sup>Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.



## Administrative Appeal Process for Approved Jurisdictional Determinations



**Appendix C**



**NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND  
REQUEST FOR APPEAL**

Applicant: Dept. Fire & Public Safety, County of Maui	File Number: POH-2009-00341	Date: 11 Jan 2011
Attached is:		See Section below
	INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)	A
	PROFFERED PERMIT (Standard Permit or Letter of permission)	B
	PERMIT DENIAL	C
XX	APPROVED JURISDICTIONAL DETERMINATION	D
	PRELIMINARY JURISDICTIONAL DETERMINATION	E

**SECTION I -** The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at [http://www.usace.army.mil/CECW/Pages/reg\\_materials.aspx](http://www.usace.army.mil/CECW/Pages/reg_materials.aspx) or Corps regulations at 33 CFR Part 331.

**A: INITIAL PROFFERED PERMIT:** You may accept or object to the permit.

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **OBJECT:** If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

**B: PROFFERED PERMIT:** You may accept or appeal the permit

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **APPEAL:** If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

**C: PERMIT DENIAL:** You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

**D: APPROVED JURISDICTIONAL DETERMINATION:** You may accept or appeal the approved JD or provide new information.

- **ACCEPT:** You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
- **APPEAL:** If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

**E: PRELIMINARY JURISDICTIONAL DETERMINATION:** You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

**SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT**

**REASONS FOR APPEAL OR OBJECTIONS:** (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

**ADDITIONAL INFORMATION:** The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

**POINT OF CONTACT FOR QUESTIONS OR INFORMATION:**

If you have questions regarding this decision and/or the appeal process you may contact:  
Farley K. Watanabe (808)438-7701  
U.S. Army Corps of Engineers, Honolulu District  
CEPOH-EC-R, Bldg 230  
Fort Shafter, HI 96858-5440

If you only have questions regarding the appeal process you may also contact:  
Thom Lichte (808) 438-0397  
U.S. Army Corps of Engineers  
CEPOD-RBT, Bldg 525  
Fort Shafter, HI 96858-5440

**RIGHT OF ENTRY:** Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day notice of any site investigation, and will have the opportunity to participate in all site investigations.

_____ Signature of appellant or agent.	Date:	Telephone number:
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NEIL ABERCROMBIE  
GOVERNOR



JAN 26 2011

BRUCE A. COPPA  
COMPTROLLER

RYAN T. OKAHARA  
DEPUTY COMPTROLLER

**STATE OF HAWAII**  
**DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES**  
P.O. BOX 119, HONOLULU, HAWAII 96810-0119

JAN 25 2011

(P)1006.1

Mr. Mark Alexander Roy, AICP  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

Subject: Draft Environmental Assessment and Land Use Entitlement Applications  
Haiku Fire Station and Related Improvements  
Haiku, Island of Maui, Hawaii TMK: (2) 2-7-007:008

Thank you for the opportunity to provide comments for the subject project. The proposed project does not impact any of the Department of Accounting and General Services' projects or existing facilities, and we have no comments to offer at this time.

If you have any questions, please call me at 586-0400 or have your staff call Mr. David DePonte of the Public Works Division at 586-0492.

Sincerely,

  
BRUCE A COPPA  
State Comptroller

c: Mr. Lee Mainaga, County of Maui Department of Fire and Public Safety  
Mr. Kurt Wollenhaupt, Department of Planning

February 5, 2024

Keith Regan, Comptroller  
Department of Accounting  
and General Services  
State of Hawai'i  
1151 Punchbowl Street, #426  
Honolulu, Hawai'i 96813

SUBJECT: Proposed Ha'ikū Fire Station Project and Related Improvements at  
TMK (2) 2-7-007:008(por.), Maui, Hawai'i

Dear Mr. Regan:

Thank you for your department's letter dated January 25, 2011 providing comments on the 2011 Draft Environmental Assessment (DEA) and land use entitlement requests (State Land Use Commission District Boundary Amendment, Community Plan Amendment, and Change of Zoning) for the proposed Ha'ikū Fire Station Project. See **Exhibit "A"**.

We are writing to you today on behalf of the County of Maui, Department of Fire & Public Safety (DF&PS) to provide you with an update on the status of the proposed Ha'ikū Fire Station project. Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawai'i Administrative Rules (HAR), Chapter 11-200.1-32. Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide additional comments prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) to complete the environmental review process pursuant

Keith Regan, Comptroller  
February 5, 2023  
Page 2

to HAR, Chapter 11-200. In light of the project resuming, we offer the following information in response to the comments presented in your 2011 letter:

1. We thank you for confirming that the proposed project does not impact any of the Department of Accounting and General Services' (DAGS) projects or existing facilities. We acknowledge that the DAGS has no comments to offer at this time.

We appreciate the input provided by your office. A copy of your comment letter and this response letter will be included in the Updated DEA. Should you have any questions or require additional information, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



Hoku Krueger  
Associate

HK:yp

cc: Bradford Ventura, County of Maui, Department of Fire and Public Safety  
Rylan Yatsushiro, County of Maui, Department of Fire and Public Safety  
Terry McFarland, Architects Hawaii, Ltd.

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**EXHIBIT A.**

NEIL ABERCROMBIE  
GOVERNOR



JAN 26 2011

BRUCE A. COPPA  
COMPTROLLER

RYAN T. OKAHARA  
DEPUTY COMPTROLLER

**STATE OF HAWAII**  
**DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES**  
P.O. BOX 119, HONOLULU, HAWAII 96810-0119

JAN 25 2011

(P)1006.1

Mr. Mark Alexander Roy, AICP  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

Subject: Draft Environmental Assessment and Land Use Entitlement Applications  
Haiku Fire Station and Related Improvements  
Haiku, Island of Maui, Hawaii TMK: (2) 2-7-007:008

Thank you for the opportunity to provide comments for the subject project. The proposed project does not impact any of the Department of Accounting and General Services' projects or existing facilities, and we have no comments to offer at this time.

If you have any questions, please call me at 586-0400 or have your staff call Mr. David DePonte of the Public Works Division at 586-0492.

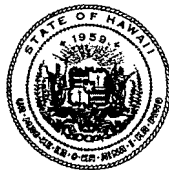
Sincerely,

  
BRUCE A COPPA  
State Comptroller

c: Mr. Lee Mainaga, County of Maui Department of Fire and Public Safety  
Mr. Kurt Wollenhaupt, Department of Planning

JAN 14 2011

NEIL ABERCROMBIE  
GOVERNOR



KATHRYN S. MATAYOSHI  
SUPERINTENDENT

**STATE OF HAWAII**  
DEPARTMENT OF EDUCATION  
P.O. BOX 2360  
HONOLULU, HAWAII 96804

OFFICE OF SCHOOL FACILITIES AND SUPPORT SERVICES

January 13, 2011

Mr. Mark Alexander Roy, AICP, Program Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

**SUBJECT:** Draft Environmental Assessment (EA) and Land Use Entitlement Applications for the Proposed Haiku Fire Station and Related Improvements, TMK (2) 2-7-007:008 (por.), Haiku, Maui, Hawaii

The Department of Education (DOE) has reviewed the Draft EA for the proposed Haiku Fire Station.

The DOE has no comment to offer.

Thank you for the opportunity to comment. Should you have any questions, please call Jeremy Kwock of the Facilities Development Branch at (808) 377-8301.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Duane Kashiwai".

Duane Y. Kashiwai  
Public Works Administrator  
Facilities Development Branch

DYK:jmb

c: Bruce Anderson, CAS, Baldwin/Kekaulike/Maui Complex Areas  
Lee Mainaga, Fire Services Officer, Department of Fire and Public Safety  
Kurt Wollenhaupt, Staff Planner, Department of Planning



February 5, 2024

Keith Hayashi, Superintendent  
Department of Education  
State of Hawai'i  
P. O. Box 2360  
Honolulu, Hawai'i 96804

SUBJECT: Proposed Ha'ikū Fire Station Project and Related Improvements at  
TMK (2) 2-7-007:008(por.), Maui, Hawaii

Dear Mr. Hayashi:

Thank you for your department's letter dated January 13, 2011 providing comments on the 2011 Draft Environmental Assessment (DEA) and land use entitlement requests (State Land Use Commission District Boundary Amendment, Community Plan Amendment, and Change of Zoning) for the proposed Ha'ikū Fire Station Project. See **Exhibit "A"**.

We are writing to you today on behalf of the County of Maui, Department of Fire & Public Safety (DF&PS) to provide you with an update on the status of the proposed Ha'ikū Fire Station project. Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawai'i Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide additional comments – prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) to complete the environmental review process pursuant

Keith Hayashi, Superintendent  
February 5, 2024  
Page 2

to HAR, Chapter 11-200. In light of the project resuming, we offer the following information in response to the comments presented in your 2011 letter:

1. We acknowledge that the Department of Education has no comments to offer at this time.

We appreciate the input provided by your office. A copy of your comment letter and this response letter will be included in the Updated DEA. Should you have any questions or require additional information, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



Hoku Krueger  
Associate

HK:yp

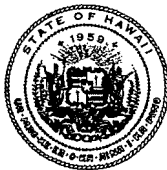
cc: Bradford Ventura, County of Maui, Department of Fire and Public Safety  
Rylan Yatsushiro, County of Maui, Department of Fire and Public Safety  
Terry McFarland, Architects Hawaii, Ltd.

K:\DATA\AHL\Haiku Fire Stn Update\Applications\Draft EA\Draft EA Res\DOE.docx

**EXHIBIT A.**

JAN 14 2011

NEIL ABERCROMBIE  
GOVERNOR



KATHRYN S. MATAYOSHI  
SUPERINTENDENT

**STATE OF HAWAII**  
DEPARTMENT OF EDUCATION  
P.O. BOX 2360  
HONOLULU, HAWAII 96804

OFFICE OF SCHOOL FACILITIES AND SUPPORT SERVICES

January 13, 2011

Mr. Mark Alexander Roy, AICP, Program Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawai'i 96793

Dear Mr. Roy:

**SUBJECT: Draft Environmental Assessment (EA) and Land Use Entitlement Applications for the Proposed Haiku Fire Station and Related Improvements, TMK (2) 2-7-007:008 (por.), Haiku, Maui, Hawaii**

The Department of Education (DOE) has reviewed the Draft EA for the proposed Haiku Fire Station.

The DOE has no comment to offer.

Thank you for the opportunity to comment. Should you have any questions, please call Jeremy Kwock of the Facilities Development Branch at (808) 377-8301.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Duane Kashiwai".

Duane Y. Kashiwai  
Public Works Administrator  
Facilities Development Branch

DYK:jmb

c: Bruce Anderson, CAS, Baldwin/Kekaulike/Maui Complex Areas  
Lee Mainaga, Fire Services Officer, Department of Fire and Public Safety  
Kurt Wollenhaupt, Staff Planner, Department of Planning

FEB 01 2011

NEIL ABERCROMBIE  
GOVERNOR OF HAWAII



LORETTA J. FUDDY, A.C.S.W., M.P.H.  
ACTING DIRECTOR OF HEALTH

STATE OF HAWAII  
DEPARTMENT OF HEALTH  
P. O. BOX 3378  
HONOLULU, HI 96801-3378

In reply, please refer to:  
File:

January 31, 2011

TO: Mark Alexander Roy, AICP  
Munekiyo & Hiraga, Inc.

FROM: Jeffrey M. Eckerd, Acting Program Manager  
Indoor and Radiological Health Branch

A handwritten signature in black ink, appearing to read "Jeffrey M. Eckerd".

SUBJECT: **Draft Environmental Assessment (EA), and Land Use Entitlement Applications for the Proposed Haiku Fire Station and Related Improvements at TMK (2) 2-7-007:008 Haiku, Maui, Hawaii**

Our comments should be printed as follows:

“Project activities shall comply with the Administrative Rules of the Department of Health:

- Chapter 11-39 Air Conditioning & Ventilating
- Chapter 11-46 Community Noise Control
- Chapter 11-501 Asbestos Requirements
- Chapter 11-503 Fees for Asbestos Removal & Certification
- Chapter 11-504 Asbestos Abatement Certification Program

Should there be any questions, please contact me at 586-4701.

cc: Lee Mainaga, County of Maui Department of Fire and Public Safety  
Kurt Wollenhaupt, Department of Planning



February 5, 2024

Indoor and Radiological Health Branch  
Department of Health  
State of Hawai'i  
P.O. Box 3378  
Honolulu, Hawai'i 96801-3378

**SUBJECT: Proposed Ha'ikū Fire Station Project and Related Improvements at  
TMK (2) 2-7-007:008(por.), Maui, Hawai'i**

Dear Sir or Madame:

Thank you for your department's letter dated January 31, 2011 providing comments on the 2011 Draft Environmental Assessment (DEA) and land use entitlement requests (State Land Use Commission District Boundary Amendment, Community Plan Amendment, and Change of Zoning) for the proposed Ha'ikū Fire Station Project. See **Exhibit "A"**.

We are writing to you today on behalf of the County of Maui, Department of Fire & Public Safety (DF&PS) to provide you with an update on the status of the proposed Ha'ikū Fire Station project. Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawai'i Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide additional comments prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) to complete the environmental review process pursuant to HAR, Chapter 11-200. In light of the project resuming, we offer the following information in response to the comments presented in your 2011 letter:

1. The project will comply with applicable requirements of Chapter 11-39 (Air Conditioning & Ventilating), 11-46 (Community Noise Control), 11-501 (Asbestos Requirements), 11-503 (Fees for Asbestos Removal & Certification), and Chapter 11-504 (Asbestos Abatement Certification Program) of the HAR of the Department of Health.

We appreciate the input provided by your office. A copy of your comment letter and this response letter will be included in the Updated DEA. Should you have any questions or require additional information, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



Hoku Krueger  
Associate

HK:yp

cc: Bradford Ventura, County of Maui, Department of Fire and Public Safety  
Rylan Yatsushiro, County of Maui, Department of Fire and Public Safety  
Terry McFarland, Architects Hawaii, Ltd.  
Diane Kodama, AECOM

K:\DATA\AHL\Haiku Fire Stn Update\Applications\Draft EA\Draft EA Res\DOH I&R.docx

**EXHIBIT A.**



FEB 01 2011

NEIL ABERCROMBIE  
GOVERNOR OF HAWAII



LORETTA J. FUDDY, A.C.S.W., M.P.H.  
ACTING DIRECTOR OF HEALTH

STATE OF HAWAII  
DEPARTMENT OF HEALTH  
P. O. BOX 3378  
HONOLULU, HI 96801-3378

In reply, please refer to:  
File:

January 31, 2011

TO: Mark Alexander Roy, AICP  
Munekiyo & Hiraga, Inc.

FROM: Jeffrey M. Eckerd, Acting Program Manager  
Indoor and Radiological Health Branch

A handwritten signature in black ink, appearing to read "Jeffrey M. Eckerd".

SUBJECT: **Draft Environmental Assessment (EA), and Land Use Entitlement Applications for the Proposed Haiku Fire Station and Related Improvements at TMK (2) 2-7-007:008 Haiku, Maui, Hawaii**

Our comments should be printed as follows:

“Project activities shall comply with the Administrative Rules of the Department of Health:

- Chapter 11-39 Air Conditioning & Ventilating
- Chapter 11-46 Community Noise Control
- Chapter 11-501 Asbestos Requirements
- Chapter 11-503 Fees for Asbestos Removal & Certification
- Chapter 11-504 Asbestos Abatement Certification Program

Should there be any questions, please contact me at 586-4701.

cc: Lee Mainaga, County of Maui Department of Fire and Public Safety  
Kurt Wollenhaupt, Department of Planning



STATE OF HAWAII  
DEPARTMENT OF HEALTH  
54 HIGH STREET  
WAILUKU, MAUI, HAWAII 96793-2102

JAN 27 2011

NEAL A. PALAFOX, M.D., M.P.H.  
INTERIM DIRECTOR OF HEALTH

LORRIN W. PANG, M.D., M.P.H.  
DISTRICT HEALTH OFFICER

In reply, please refer to:  
File:

January 26, 2011

Mr. Mark Alexander Roy  
AICP, Project Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

**Subject: Draft Environmental Assessment and Land Use Entitlement Applications (District Boundary Amendment, Community Plan Amendment and Change in Zoning) for the Proposed Haiku Fire Station and Related Improvements, Haiku, Maui, Hawaii (DBA 2010/0002) (CIZ 2010/0008) (CPA 2010/0006) TMK: (2) 2-7-007:008 (por.)**

Thank you for the opportunity to review this project. We have the following comments to offer:

1. National Pollutant Discharge Elimination System (NPDES) permit coverage maybe required for this project. The Clean Water Branch should be contacted at 808 586-4309.
2. The noise created during the construction phase of the project may exceed the maximum allowable levels as set forth in Hawaii Administrative Rules (HAR), Chapter 11-46, "Community Noise Control." A noise permit may be required and should be obtained before the commencement of work.
3. All the requirements of HAR, Chapter 11-62, "Wastewater Systems" must be complied with.

It is strongly recommended that the Standard Comments found at the Department's website: <http://hawaii.gov/health/environmental/env-planning/landuse/landuse.html> be reviewed, and any comments specifically applicable to this project should be adhered to.

Mr. Mark Alexander Roy  
January 26, 2011  
Page 2

Should you have any questions, please call me at 808 984-8230 or E-mail me at [patricia.kitkowski@doh.hawaii.gov](mailto:patricia.kitkowski@doh.hawaii.gov).

Sincerely,



Patti Kitkowski  
District Environmental Health Program Chief

- c Lee Mainaga, Fire Services Officer
- Kurt Wollenhaupt, Staff Planner
- EPO

February 5, 2024

Patti Kitkowski, District Environmental  
Health Program Chief  
Maui Sanitation Branch  
Department of Health  
State of Hawai'i  
54 High Street, Room 300  
Wailuku, Hawai'i 96793-2102

SUBJECT: Proposed Ha'ikū Fire Station Project and Related Improvements at  
TMK (2) 2-7-007:008(por.), Maui, Hawaii

Dear Ms. Kitkowski:

Thank you for your letter dated January 26, 2011 providing comments on the 2011 Draft Environmental Assessment (DEA) and land use entitlement requests (District Boundary Amendment, Community Plan Amendment, Change of Zoning) for the subject project. See **Exhibit "A"**.

We are writing to you today on behalf of the County of Maui, Department of Fire & Public Safety (DF&PS) to provide you with an update on the status of the proposed Ha'ikū Fire Station project. Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawai'i Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide additional comments prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) to complete the environmental review process pursuant

Patti Kitkowski, District Environmental  
Health Program Chief  
February 5, 2024  
Page 2

to HAR, Chapter 11-200. In light of the project resuming, we offer the following information in response to the comments presented in your 2011 letter:

1. The Clean Water Branch will be contacted and a National Pollutant Discharge Elimination System (NPDES) permit will be obtained for the project, as applicable.
2. The proposed project will comply with applicable requirements of HAR, Chapter 11-46, "Community Noise Control" and a noise permit, if required, will be obtained prior to the commencement of construction work for the project.
3. The project will comply with all applicable requirements set forth in Chapter 11-62, HAR (Wastewater Systems).
4. The standard comments found at the Department's website will be reviewed by DF&PS and all applicable requirements complied with as part of the construction plans preparation phase of the project.

We appreciate the input provided by your office. A copy of your comment letter and this response letter will be included in the Updated DEA for the project. Should you have any questions, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



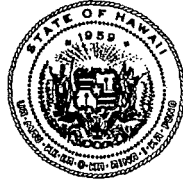
Hoku Krueger  
Associate

HK:yp

cc: Bradford Ventura, County of Maui, Department of Fire and Public Safety  
Rylan Yatsushiro, County of Maui, Department of Fire and Public Safety  
Terry McFarland, Architects Hawaii, Ltd.  
Diane Kodama, AECOM

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**EXHIBIT A.**



STATE OF HAWAII  
DEPARTMENT OF HEALTH  
54 HIGH STREET  
WAILUKU, MAUI, HAWAII 96793-2102

JAN 27 2011

NEAL A. PALAFOX, M.D., M.P.H.  
INTERIM DIRECTOR OF HEALTH

LORRIN W. PANG, M.D., M.P.H.  
DISTRICT HEALTH OFFICER

In reply, please refer to:  
File:

January 26, 2011

Mr. Mark Alexander Roy  
AICP, Project Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

**Subject: Draft Environmental Assessment and Land Use Entitlement Applications (District Boundary Amendment, Community Plan Amendment and Change in Zoning) for the Proposed Haiku Fire Station and Related Improvements, Haiku, Maui, Hawaii (DBA 2010/0002) (CIZ 2010/0008) (CPA 2010/0006) TMK: (2) 2-7-007:008 (por.)**

Thank you for the opportunity to review this project. We have the following comments to offer:

1. National Pollutant Discharge Elimination System (NPDES) permit coverage maybe required for this project. The Clean Water Branch should be contacted at 808 586-4309.
2. The noise created during the construction phase of the project may exceed the maximum allowable levels as set forth in Hawaii Administrative Rules (HAR), Chapter 11-46, "Community Noise Control." A noise permit may be required and should be obtained before the commencement of work.
3. All the requirements of HAR, Chapter 11-62, "Wastewater Systems" must be complied with.

It is strongly recommended that the Standard Comments found at the Department's website: <http://hawaii.gov/health/environmental/env-planning/landuse/landuse.html> be reviewed, and any comments specifically applicable to this project should be adhered to.

Mr. Mark Alexander Roy  
January 26, 2011  
Page 2

Should you have any questions, please call me at 808 984-8230 or E-mail me at [patricia.kitkowski@doh.hawaii.gov](mailto:patricia.kitkowski@doh.hawaii.gov).

Sincerely,

A handwritten signature in black ink that reads "Patti Kitkowski". The signature is written in a cursive style with a horizontal line at the end.

Patti Kitkowski  
District Environmental Health Program Chief

- c Lee Mainaga, Fire Services Officer
- Kurt Wollenhaupt, Staff Planner
- EPO



FEB 11 2011

NEIL ABERCROMBIE  
GOVERNOR OF HAWAII



WILLIAM J. AILA, JR.  
INTERIM CHAIRPERSON  
BOARD OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
LAND DIVISION

POST OFFICE BOX 621  
HONOLULU, HAWAII 96809

February 10, 2011

Mr. Mark Alexander Roy, AICP  
Program Manager  
Munekiyo & Hiraga, Inc.  
305 High Street Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

Subject: Draft Environmental Assessment and Land Use Entitlement Applications  
(District Boundary Amendment, Community Plan Amendment and  
Change in Zoning) for the Proposed Haiku Fire Station and Related  
Improvements

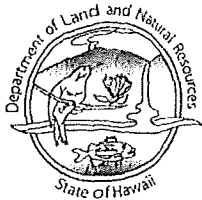
Thank you for the opportunity to review and comment on the subject matter. The Department of Land and Natural Resources' (DLNR), Land Division distributed or made available a copy of your report pertaining to the subject matter to DLNR Divisions for their review and comment.

Other than the comments from Division of Aquatic Resources, Division of Forestry & Wildlife, Engineering Division, the Department of Land and Natural Resources has no other comments to offer on the subject matter. Should you have any questions, please feel free to call our office at 587-0414. Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Russell Y. Tsuji".

Russell Y. Tsuji  
Administrator



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
LAND DIVISION

RECEIVED  
LAND DIVISION

*Amw*  
*SL*

2011 FEB 10 P 12:08

POST OFFICE BOX 621  
HONOLULU, HAWAII 96809  
Phone: (808) 587-0433  
Fax: (808) 587-0455

DEPT. OF LAND &  
NATURAL RESOURCES  
STATE OF HAWAII

*DAR 3617*

January 18, 2011

MEMORANDUM

TO:

DLNR Agencies:

- Div. of Aquatic Resources
- Div. of Boating & Ocean Recreation
- Engineering Division
- Div. of Forestry & Wildlife
- Div. of State Parks
- Commission on Water Resource Management
- Office of Conservation & Coastal Lands
- Land Division -
- Historic Preservation



*Charlene*

FROM: Charlene Unoki, Assistant Administrator  
 SUBJECT: Draft Environmental Assessment for Proposed Haiku Fire Station and Related Improvements  
 LOCATION: Island of Maui  
 APPLICANT: Munekiyo & Hiraga, Inc.

Transmitted for your review and comment on the above referenced document. We would appreciate your comments on this document. Please submit any comments by February 6, 2011.

If no response is received by this date, we will assume your agency has no comments. If you have any questions about this request, please contact my office at 587-0433. Thank you.


Attachments

- (x) We have no objections.
- ( ) We have no comments.
- (x) Comments are attached.

Signed: *[Signature]*  
Date: 2/8/2011

RECEIVED  
JAN 21 2011

DIVISION OF AQUATIC RESOURCES - MAUI  
DEPARTMENT OF LAND & NATURAL RESOURCES  
130 Mahalani Street  
Wailuku, Hawai'i 96793  
February 8, 2010

To: Alton Miyasaka, Aquatic Biologist  
From:  Skippy Hau, Aquatic Biologist  
Subject: Draft EA for Proposed Haku Fire Station and Related  
Improvements (DAR 3617)  
(Due February 6, 2011 Charlene Unoki, Land)

(P.43) The summary refers to Appendix H. It concludes that the sedimentation basin will be able to handle the total drainage runoff for the property estimated for a one-hour, fifty-year storm.

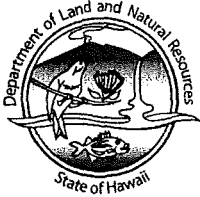
**Appendix H.**

After Appendix F, Drainage Design Calculations Detention Pond Sizing, there are "two pages that are unreadable."

I have no objections, but please verify the drainage calculations and the proposed detention basin size.



WILLIAM J. AILA, JR.  
INTERIM CHAIRPERSON  
COMMISSION ON WATER RESOURCE MANAGEMENT  
\*11 JAN 18 PM 02:04



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
LAND DIVISION

RECEIVED  
LAND DIVISION

2011 FEB -7 A 9:36

POST OFFICE BOX 621  
HONOLULU, HAWAII 96809  
Phone: (808) 587-0433  
Fax: (808) 587-0455

DEPT. OF LAND &  
NATURAL RESOURCES  
STATE OF HAWAII

January 18, 2011

MEMORANDUM

- TO: **DLNR Agencies:**
- Div. of Aquatic Resources
  - Div. of Boating & Ocean Recreation
  - Engineering Division
  - Div. of Forestry & Wildlife
  - Div. of State Parks
  - Commission on Water Resource Management
  - Office of Conservation & Coastal Lands
  - Land Division -
  - Historic Preservation

*Charlene*

FROM: Charlene Unoki, Assistant Administrator

SUBJECT: Draft Environmental Assessment for Proposed Haiku Fire Station and Related Improvements

LOCATION: Island of Maui

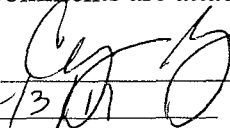
APPLICANT: Munekiyo & Hiraga, Inc.

Transmitted for your review and comment on the above referenced document. We would appreciate your comments on this document. Please submit any comments by February 6, 2011.

If no response is received by this date, we will assume your agency has no comments. If you have any questions about this request, please contact my office at 587-0433. Thank you.

Attachments

- We have no objections.
- We have no comments.
- Comments are attached.

Signed: 

Date: 2/3/11

**DEPARTMENT OF LAND AND NATURAL RESOURCES  
ENGINEERING DIVISION**

**LD/CharleneUnoki**  
**RE:DEAHaikuFireStation**  
**Maui.531**

**COMMENTS**

- ( ) We confirm that the project site, according to the Flood Insurance Rate Map (FIRM), is located in Flood Zone \_\_\_\_\_.
- (X) Please take note that the project site, according to the Flood Insurance Rate Map (FIRM), is located in Flood Zone X. The Flood Insurance Program does not have any regulations for developments within Flood Zone X.
- ( ) Please note that the correct Flood Zone Designation for the project site according to the Flood Insurance Rate Map (FIRM) is \_\_\_\_\_.
- ( ) Please note that the project must comply with the rules and regulations of the National Flood Insurance Program (NFIP) presented in Title 44 of the Code of Federal Regulations (44CFR), whenever development within a Special Flood Hazard Area is undertaken. If there are any questions, please contact the State NFIP Coordinator, Ms. Carol Tyau-Beam, of the Department of Land and Natural Resources, Engineering Division at (808) 587-0267.

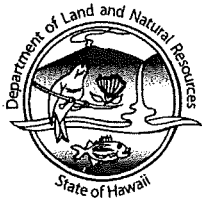
Please be advised that 44CFR indicates the minimum standards set forth by the NFIP. Your Community's local flood ordinance may prove to be more restrictive and thus take precedence over the minimum NFIP standards. If there are questions regarding the local flood ordinances, please contact the applicable County NFIP Coordinators below:

- ( ) Mr. Robert Sumitomo at (808) 768-8097 or Mr. Mario Siu Li at (808) 768-8098 of the City and County of Honolulu, Department of Planning and Permitting.
- ( ) Mr. Carter Romero at (808) 961-8943 of the County of Hawaii, Department of Public Works.
- ( ) Mr. Francis Cerizo at (808) 270-7771 of the County of Maui, Department of Planning.
- ( ) Ms. Wynne Ushigome at (808) 241-4890 of the County of Kauai, Department of Public Works.
  
- ( ) The applicant should include water demands and infrastructure required to meet project needs. Please note that projects within State lands requiring water service from the Honolulu Board of Water Supply system will be required to pay a resource development charge, in addition to Water Facilities Charges for transmission and daily storage.
- ( ) The applicant should provide the water demands and calculations to the Engineering Division so it can be included in the State Water Projects Plan Update.
  
- ( ) Additional Comments: \_\_\_\_\_  
\_\_\_\_\_
  
- ( ) Other: \_\_\_\_\_  
\_\_\_\_\_

Should you have any questions, please call Ms. Suzie S. Agraan of the Planning Branch at 587-0258.

Signed: \_\_\_\_\_  
CARTY S. CHANG, CHIEF ENGINEER

Date: \_\_\_\_\_



RECEIVED  
LAND DIVISION

2011 JAN 24 6 30  
STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
LAND DIVISION

DEPT. OF LAND AND NATURAL RESOURCES  
POST OFFICE BOX 621  
HONOLULU, HAWAII 96809  
Phone: (808) 587-0433  
Fax: (808) 587-0455

January 18, 2011

MEMORANDUM

- TO: **DLNR Agencies:**
- Div. of Aquatic Resources
  - Div. of Boating & Ocean Recreation
  - ~~Engineering Division~~
  - Div. of Forestry & Wildlife
  - Div. of State Parks
  - Commission on Water Resource Management
  - Office of Conservation & Coastal Lands
  - Land Division -
  - Historic Preservation

*Charlene*

FROM: Charlene Unoki, Assistant Administrator

SUBJECT: Draft Environmental Assessment for Proposed Haiku Fire Station and Related Improvements

LOCATION: Island of Maui

APPLICANT: Munekiyo & Hiraga, Inc.

Transmitted for your review and comment on the above referenced document. We would appreciate your comments on this document. Please submit any comments by February 6, 2011.

If no response is received by this date, we will assume your agency has no comments. If you have any questions about this request, please contact my office at 587-0433. Thank you.

Attachments

- We have no objections.
- We have no comments.
- Comments are attached.

Signed: *Paul Glavin*

Date: 1/21/11

February 5, 2024

Via email: [dlnr@hawaii.gov](mailto:dlnr@hawaii.gov) and [dlnr.land@hawaii.gov](mailto:dlnr.land@hawaii.gov)

Dawn N. S. Chang, Chairperson  
Department of Land and Natural Resources  
State of Hawai'i  
P. O. Box 621  
Honolulu, Hawai'i 96809

SUBJECT: Proposed Ha'ikū Fire Station Project and Related Improvements at  
TMK (2) 2-7-007:008(por.), Maui, Hawai'i

Dear Ms. Chang:

Thank you for your department's letter dated February 10, 2011 providing comments from the Division of Aquatic Resources, Engineering Division and Division of Forestry & Wildlife on the 2011 Draft Environmental Assessment (DEA) and land use entitlement requests (District Boundary Amendment, Community Plan Amendment, Change of Zoning) for the subject project. See **Exhibit "A"**.

We are writing to you today on behalf of the County of Maui, Department of Fire & Public Safety (DF&PS) to provide you with an update on the status of the proposed Ha'ikū Fire Station project. Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawai'i Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide

additional comments, prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) to complete the environmental review process pursuant to HAR, Chapter 11-200. In light of the project resuming, we offer the following information in response to the comments presented in your 2011 letter:

**LAND DIVISION**

1. We note that the Land Division does not have any objections with regards to the proposed project.

**DIVISION OF AQUATIC RESOURCES**

1. We note that the Division of Aquatic Resources does not have any objections with regards to the proposed project.
2. We apologize for the poor quality of the pages presented in Appendix “F” of the Preliminary Drainage Report. Given the project design refinements, an updated drainage report providing the drainage design calculations information for the project will be included in the Updated DEA.

**ENGINEERING DIVISION**

1. We appreciate the information provided confirming that the project site is located within Flood Zone X, an area of minimal flooding risk in which there are no regulations regarding development set forth by the National Flood Insurance Program.

**DIVISION OF FORESTRY AND WILDLIFE**

1. We note that the Division of Forestry and Wildlife does not have any objections to the proposed project.



Dawn N. S. Chang, Chairperson  
February 5, 2024  
Page 3

We appreciate the input provided by your office. A copy of your comment letter and this response letter will be included in the Updated DEA for the project. Should you have any questions, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



Hoku Krueger  
Associate

HK:yp

cc: Bradford Ventura, County of Maui, Department of Fire and Public Safety  
Rylan Yatsushiro, County of Maui, Department of Fire and Public Safety  
Terry McFarland, Architects Hawaii, Ltd.  
Diane Kodama, AECOM

K:\DATA\AHL\Haiku Fire Stn Update\Applications\Draft EA\Draft EA Res\DLNR.docx

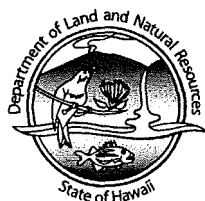
**EXHIBIT A.**

FEB 11 2011

NEIL ABERCROMBIE  
GOVERNOR OF HAWAII



WILLIAM J. AILA, JR.  
INTERIM CHAIRPERSON  
BOARD OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
LAND DIVISION

POST OFFICE BOX 621  
HONOLULU, HAWAII 96809

February 10, 2011

Mr. Mark Alexander Roy, AICP  
Program Manager  
Munekiyo & Hiraga, Inc.  
305 High Street Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

Subject: Draft Environmental Assessment and Land Use Entitlement Applications  
(District Boundary Amendment, Community Plan Amendment and  
Change in Zoning) for the Proposed Haiku Fire Station and Related  
Improvements

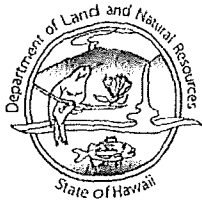
Thank you for the opportunity to review and comment on the subject matter. The Department of Land and Natural Resources' (DLNR), Land Division distributed or made available a copy of your report pertaining to the subject matter to DLNR Divisions for their review and comment.

Other than the comments from Division of Aquatic Resources, Division of Forestry & Wildlife, Engineering Division, the Department of Land and Natural Resources has no other comments to offer on the subject matter. Should you have any questions, please feel free to call our office at 587-0414. Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Russell Y. Tsuji".

Russell Y. Tsuji  
Administrator



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
LAND DIVISION

RECEIVED  
LAND DIVISION

*Amw*  
*SL*

2011 FEB 10 P 12:08

POST OFFICE BOX 621  
HONOLULU, HAWAII 96809  
Phone: (808) 587-0433  
Fax: (808) 587-0455

DEPT. OF LAND &  
NATURAL RESOURCES  
STATE OF HAWAII

*DAR 3617*

January 18, 2011

MEMORANDUM

TO:

DLNR Agencies:

- Div. of Aquatic Resources
- Div. of Boating & Ocean Recreation
- Engineering Division
- Div. of Forestry & Wildlife
- Div. of State Parks
- Commission on Water Resource Management
- Office of Conservation & Coastal Lands
- Land Division -
- Historic Preservation



*Charlene*

FROM: Charlene Unoki, Assistant Administrator

SUBJECT: Draft Environmental Assessment for Proposed Haiku Fire Station and Related Improvements

LOCATION: Island of Maui

APPLICANT: Munekiyo & Hiraga, Inc.

Transmitted for your review and comment on the above referenced document. We would appreciate your comments on this document. Please submit any comments by February 6, 2011.

If no response is received by this date, we will assume your agency has no comments. If you have any questions about this request, please contact my office at 587-0433. Thank you.


Attachments

- (x) We have no objections.
- ( ) We have no comments.
- (x) Comments are attached.

Signed: *[Signature]*  
Date: 2/8/2011 *Sh*

RECEIVED  
JAN 21 2011

DIVISION OF AQUATIC RESOURCES - MAUI  
DEPARTMENT OF LAND & NATURAL RESOURCES  
130 Mahalani Street  
Wailuku, Hawai'i 96793  
February 8, 2010

To: Alton Miyasaka, Aquatic Biologist  
From:  Skippy Hau, Aquatic Biologist  
Subject: Draft EA for Proposed Haku Fire Station and Related  
Improvements (DAR 3617)  
(Due February 6, 2011 Charlene Unoki, Land)

(P.43) The summary refers to Appendix H. It concludes that the sedimentation basin will be able to handle the total drainage runoff for the property estimated for a one-hour, fifty-year storm.

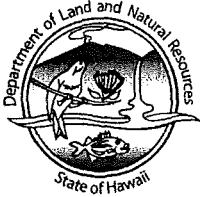
**Appendix H.**

After Appendix F, Drainage Design Calculations Detention Pond Sizing, there are "two pages that are unreadable."

I have no objections, but please verify the drainage calculations and the proposed detention basin size.



WILLIAM J. AILA, JR.  
INTERIM CHAIRPERSON  
COMMISSION ON WATER RESOURCE MANAGEMENT  
11 JAN 18 PM 02:04



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
LAND DIVISION

RECEIVED  
LAND DIVISION

2011 FEB -7 A 9:36

POST OFFICE BOX 621  
HONOLULU, HAWAII 96809  
Phone: (808) 587-0433  
Fax: (808) 587-0455

DEPT. OF LAND &  
NATURAL RESOURCES  
STATE OF HAWAII

January 18, 2011

MEMORANDUM

- TO: **DLNR Agencies:**
- Div. of Aquatic Resources
  - Div. of Boating & Ocean Recreation
  - Engineering Division
  - Div. of Forestry & Wildlife
  - Div. of State Parks
  - Commission on Water Resource Management
  - Office of Conservation & Coastal Lands
  - Land Division -
  - Historic Preservation

*Charlene*

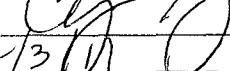
FROM: Charlene Unoki, Assistant Administrator  
 SUBJECT: Draft Environmental Assessment for Proposed Haiku Fire Station and Related Improvements  
 LOCATION: Island of Maui  
 APPLICANT: Munekiyo & Hiraga, Inc.

Transmitted for your review and comment on the above referenced document. We would appreciate your comments on this document. Please submit any comments by February 6, 2011.

If no response is received by this date, we will assume your agency has no comments. If you have any questions about this request, please contact my office at 587-0433. Thank you.

Attachments

- We have no objections.
- We have no comments.
- Comments are attached.

Signed:   
 Date: 2/3/11

**DEPARTMENT OF LAND AND NATURAL RESOURCES  
ENGINEERING DIVISION**

**LD/CharleneUnoki**  
**RE:DEAHaikuFireStation**  
**Maui.531**

**COMMENTS**

- ( ) We confirm that the project site, according to the Flood Insurance Rate Map (FIRM), is located in Flood Zone \_\_\_\_\_.
- (X) Please take note that the project site, according to the Flood Insurance Rate Map (FIRM), is located in Flood Zone X. The Flood Insurance Program does not have any regulations for developments within Flood Zone X.
- ( ) Please note that the correct Flood Zone Designation for the project site according to the Flood Insurance Rate Map (FIRM) is \_\_\_\_\_.
- ( ) Please note that the project must comply with the rules and regulations of the National Flood Insurance Program (NFIP) presented in Title 44 of the Code of Federal Regulations (44CFR), whenever development within a Special Flood Hazard Area is undertaken. If there are any questions, please contact the State NFIP Coordinator, Ms. Carol Tyau-Beam, of the Department of Land and Natural Resources, Engineering Division at (808) 587-0267.

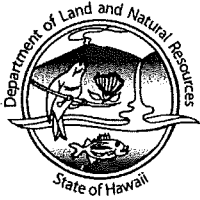
Please be advised that 44CFR indicates the minimum standards set forth by the NFIP. Your Community's local flood ordinance may prove to be more restrictive and thus take precedence over the minimum NFIP standards. If there are questions regarding the local flood ordinances, please contact the applicable County NFIP Coordinators below:

- ( ) Mr. Robert Sumitomo at (808) 768-8097 or Mr. Mario Siu Li at (808) 768-8098 of the City and County of Honolulu, Department of Planning and Permitting.
- ( ) Mr. Carter Romero at (808) 961-8943 of the County of Hawaii, Department of Public Works.
- ( ) Mr. Francis Cerizo at (808) 270-7771 of the County of Maui, Department of Planning.
- ( ) Ms. Wynne Ushigome at (808) 241-4890 of the County of Kauai, Department of Public Works.
  
- ( ) The applicant should include water demands and infrastructure required to meet project needs. Please note that projects within State lands requiring water service from the Honolulu Board of Water Supply system will be required to pay a resource development charge, in addition to Water Facilities Charges for transmission and daily storage.
- ( ) The applicant should provide the water demands and calculations to the Engineering Division so it can be included in the State Water Projects Plan Update.
  
- ( ) Additional Comments: \_\_\_\_\_  
\_\_\_\_\_
  
- ( ) Other: \_\_\_\_\_  
\_\_\_\_\_

Should you have any questions, please call Ms. Suzie S. Agraan of the Planning Branch at 587-0258.

Signed: \_\_\_\_\_  
CARTY S. CHANG, CHIEF ENGINEER

Date: \_\_\_\_\_



RECEIVED  
LAND DIVISION

2011 JAN 24 6 30  
STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
LAND DIVISION

DEPT. OF LAND AND NATURAL RESOURCES  
POST OFFICE BOX 621  
HONOLULU, HAWAII 96809  
Phone: (808) 587-0433  
Fax: (808) 587-0455

January 18, 2011

MEMORANDUM

TO: **DLNR Agencies:**  
 Div. of Aquatic Resources  
 Div. of Boating & Ocean Recreation  
 ~~Engineering Division~~  
 Div. of Forestry & Wildlife  
 Div. of State Parks  
 Commission on Water Resource Management  
 Office of Conservation & Coastal Lands  
 Land Division –  
 Historic Preservation

*Charlene*

FROM: Charlene Unoki, Assistant Administrator  
SUBJECT: Draft Environmental Assessment for Proposed Haiku Fire Station and Related Improvements  
LOCATION: Island of Maui  
APPLICANT: Munekiyo & Hiraga, Inc.

Transmitted for your review and comment on the above referenced document. We would appreciate your comments on this document. Please submit any comments by February 6, 2011.

If no response is received by this date, we will assume your agency has no comments. If you have any questions about this request, please contact my office at 587-0433. Thank you.

Attachments

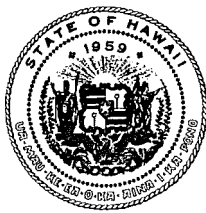
- We have no objections.
- We have no comments.
- Comments are attached.

Signed: *Paul Glavin*  
Date: 1/21/11



FEB 14 2011

NEIL ABERCROMBIE  
GOVERNOR OF HAWAII



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES

STATE HISTORIC PRESERVATION DIVISION  
601 KAMOKILA BOULEVARD, ROOM 555  
KAPOLEI, HAWAII 96707

WILLIAM J. AILA, JR.  
INTERIM CHAIRPERSON  
BOARD OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT

GUY KAULUKUKUI  
INTERIM FIRST DEPUTY

WILLIAM M. TAM  
INTERIM DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES  
BOATING AND OCEAN RECREATION  
BUREAU OF CONVEYANCES  
COMMISSION ON WATER RESOURCE MANAGEMENT  
CONSERVATION AND COASTAL LANDS  
CONSERVATION AND RESOURCES ENFORCEMENT  
ENGINEERING  
FORESTRY AND WILDLIFE  
HISTORIC PRESERVATION  
KAHOOLAWE ISLAND RESERVE COMMISSION  
LAND  
STATE PARKS

February 7, 2011

Mark Alexander Roy, AICP, Program Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

LOG NO: 2011.0033  
DOC NO: 1101MD43  
Archaeology

Dear Mr. Roy:

**SUBJECT: Chapter 6E-8 Historic Preservation Review –  
Draft Environmental Assessment and Land Use Entitlement Applications for the  
Proposed Ha'iku Fire Station (DBA 2010/0002, CIZ 2010/0008 & CPA 2010/0006)  
Pa'uwela Ahupua'a, Makawao District, Island of Maui  
TMK: (2) 2-7-007:008**

Thank you for the opportunity to comment on the aforementioned project, which we received on January 7, 2011. This parcel has undergone an archaeological inventory survey in preparation of its proposed development as a new fire station (Perzinski and Dega August 2010). The new fire station will include driveways, a helipad and a waterline extending 1280 meters along Haiku, East Kuiaha and West Kuiaha Roads. One new site was documented, SIHP 50-50-06-6678, rock alignments built by previous residents of the existing vacant house which were used to line the driveway and create a planting area in the 1950s. SIHP 6678 was recommended as significant under criterion "d" and we agreed that no further work is required at this site.

Archaeological monitoring is recommended for selected portions of the waterline, within those areas of Haiku Road which are not within the cut slope. To date we have not received an archaeological monitoring plan for this portion of the project. An archaeological monitoring plan should be submitted to SHPD for review and approval pursuant to HAR §13-279 prior to the start of any ground-altering construction.

If you have questions about this letter please contact Morgan Davis at (808) 243-5169 or via email to: [morgan.e.davis@hawaii.gov](mailto:morgan.e.davis@hawaii.gov).

Aloha,

A handwritten signature in black ink, appearing to read "Theresa K. Donham".

Theresa K. Donham  
Acting Archaeology Branch Chief  
State Historic Preservation Division

February 5, 2024

Alan Downer, Ph.D., Administrator  
State Historic Preservation Division  
Department of Land and Natural Resources  
601 Kamokila Boulevard, Room 555  
Kapolei, Hawai'i 96707

**SUBJECT:** Proposed Ha'ikū Fire Station Project and Related Improvements at  
TMK (2) 2-7-007:008(por.), Maui, Hawai'i (Log No: 2011.0033; Doc  
No: 1101MD43)

Dear Dr. Downer:

Thank you for the letter from your office dated February 7, 2011 providing comments on the 2011 Draft Environmental Assessment (DEA) and land use entitlement requests (State Land Use Commission District Boundary Amendment, Community Plan Amendment, and Change of Zoning) for the subject project. See **Exhibit "A"**.

We are writing to you today on behalf of the County of Maui, Department of Fire & Public Safety (DF&PS) to provide you with an update on the status of the proposed Ha'ikū Fire Station project. Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawai'i Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide additional comments prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) to complete the environmental review process pursuant

to HAR, Chapter 11-200. In light of the project resuming, we offer the following information in response to the comments presented in your 2011 letter:

1. We appreciate your review of the 2010 Archaeological Inventory Survey (AIS) and note the determination from your office that no further archaeological work is required within the project site.
2. Based on community and agency review comments and additional community consultation, studies and agency coordination that were carried out following the publication of the proposed project's 2011 DEA, the scope of the proposed offsite water infrastructure, which involved the installation of a 4,200-foot waterline to connect the facility to an existing waterline at the West Kuiaha Road and Ha'ikū Road Intersection has been significantly reduced. The proposed offsite waterline improvements are now confined to just installation of 300 feet of 8-inch waterline along East Kuiaha Road. As such, it is anticipated that archaeological monitoring will no longer be required for this action based on the AIS acceptance letter from your office (dated February 7, 2011) which determined that monitoring should be confined to just portions of Ha'ikū Road.

We appreciate the input provided by your office. A copy of your comment letter and this response letter will be included in the Updated DEA for the project. Should you have any questions, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



Hoku Krueger  
Associate

HK:yp

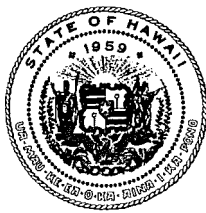
cc: Bradford Ventura, County of Maui, Department of Fire and Public Safety  
Rylan Yatsushiro, County of Maui, Department of Fire and Public Safety  
Terry McFarland, Architects Hawaii, Ltd.  
Michael Dega and David Perzinski, Scientific Consultant Services, Inc.

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**EXHIBIT A.**

FEB 14 2011

NEIL ABERCROMBIE  
GOVERNOR OF HAWAII



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES

STATE HISTORIC PRESERVATION DIVISION  
601 KAMOKILA BOULEVARD, ROOM 555  
KAPOLEI, HAWAII 96707

WILLIAM J. AILA, JR.  
INTERIM CHAIRPERSON  
BOARD OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT

GUY KAULUKUKUI  
INTERIM FIRST DEPUTY

WILLIAM M. TAM  
INTERIM DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES  
BOATING AND OCEAN RECREATION  
BUREAU OF CONVEYANCES  
COMMISSION ON WATER RESOURCE MANAGEMENT  
CONSERVATION AND COASTAL LANDS  
CONSERVATION AND RESOURCES ENFORCEMENT  
ENGINEERING  
FORESTRY AND WILDLIFE  
HISTORIC PRESERVATION  
KAHOOLAWE ISLAND RESERVE COMMISSION  
LAND  
STATE PARKS

February 7, 2011

Mark Alexander Roy, AICP, Program Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

LOG NO: 2011.0033  
DOC NO: 1101MD43  
Archaeology

Dear Mr. Roy:

**SUBJECT: Chapter 6E-8 Historic Preservation Review –  
Draft Environmental Assessment and Land Use Entitlement Applications for the  
Proposed Ha'iku Fire Station (DBA 2010/0002, CIZ 2010/0008 & CPA 2010/0006)  
Pa'uwela Ahupua'a, Makawao District, Island of Maui  
TMK: (2) 2-7-007:008**

Thank you for the opportunity to comment on the aforementioned project, which we received on January 7, 2011. This parcel has undergone an archaeological inventory survey in preparation of its proposed development as a new fire station (Perzinski and Dega August 2010). The new fire station will include driveways, a helipad and a waterline extending 1280 meters along Haiku, East Kuiaha and West Kuiaha Roads. One new site was documented, SIHP 50-50-06-6678, rock alignments built by previous residents of the existing vacant house which were used to line the driveway and create a planting area in the 1950s. SIHP 6678 was recommended as significant under criterion "d" and we agreed that no further work is required at this site.

Archaeological monitoring is recommended for selected portions of the waterline, within those areas of Haiku Road which are not within the cut slope. To date we have not received an archaeological monitoring plan for this portion of the project. An archaeological monitoring plan should be submitted to SHPD for review and approval pursuant to HAR §13-279 prior to the start of any ground-altering construction.

If you have questions about this letter please contact Morgan Davis at (808) 243-5169 or via email to: [morgan.e.davis@hawaii.gov](mailto:morgan.e.davis@hawaii.gov).

Aloha,

A handwritten signature in black ink, appearing to read "Theresa K. Donham".

Theresa K. Donham  
Acting Archaeology Branch Chief  
State Historic Preservation Division



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
869 PUNCHBOWL STREET  
HONOLULU, HAWAII 96813-5097

MAR 07 2011  
GLENN M. OKIMOTO  
DIRECTOR

Deputy Directors  
Ford N. Fuchigami  
Jan S. Gouveia  
Randy Grune  
Jadine Urasaki

IN REPLY REFER TO:

STP 8.0364

February 28, 2011

Mr. Mark Alexander Roy, AICP  
Program Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

Subject: Haiku Fire Station and Related Improvements  
Draft Environmental Assessment (DEA)

Thank you for requesting the Department of Transportation's (DOT) review of the subject Maui County project. DOT's comments are as follows:

1. DOT understands the County has agreed to work with DOT Highways Division to assure that the concerns contained in DOT letter STP 8.3479 dated December 18, 2010 (in Section VIII of the DEA) are fully addressed and that all necessary permits and approvals will be acquired.
2. While a preliminary drainage report was included in the DEA, DOT will defer commenting until the report is formally submitted for DOT's review and approval.
3. While the finding in the preliminary Traffic Impact Analysis Report (TIAR) appear reasonable, DOT recommends that further coordination be conducted with the DOT Highways Division to address access requirements and any other mitigation measures necessary to assure the safe entry and exit of emergency and non-emergency vehicles, as well as maintaining the operations and safety of Hana Highway.

If there are any questions or the need to meet with DOT Highway staff, please contact Mr. David Shimokawa of the DOT Statewide Transportation Planning Office at telephone number (808) 831-7976.

Very truly yours,

A handwritten signature in black ink, appearing to read "Glenn M. Okimoto".

GLENN M. OKIMOTO, Ph.D.  
Director of Transportation

c: Lee Mainaga, County of Maui, Department of Fire and Public Safety

February 5, 2024

Ed Sniffen, Director  
Department of Transportation  
State of Hawai'i  
869 Punchbowl Street, Room 509  
Honolulu, Hawai'i 96813-5097

SUBJECT: Proposed Ha'ikū Fire Station Project and Related Improvements at  
TMK (2) 2-7-007:008(por.), Maui, Hawai'i (STP 8.0364)

Dear Mr. Sniffen:

Thank you for your department's letter dated February 28, 2011 providing comments on the 2011 Draft Environmental Assessment (DEA) and land use entitlement requests (State Land Use Commission District Boundary Amendment, Community Plan Amendment, and Change of Zoning) for the subject project. See **Exhibit "A"**.

We are writing to you today on behalf of the County of Maui, Department of Fire & Public Safety (DF&PS) to provide you with an update on the status of the proposed Ha'ikū Fire Station project. Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawai'i Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide additional comments prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) to complete the environmental review process pursuant

to HAR, Chapter 11-200. In light of the project resuming, we offer the following information in response to the comments presented in your 2011 letter:

1. DF&PS will work alongside your office prior to initiation of construction to obtain all necessary Hawai'i Department of Transportation (HDOT) related permits and approvals for the project.
2. We acknowledge that your office has elected to defer review of the Drainage Report at this time. Please note that the drainage system has been designed in accordance with the Rules for the Design of Stormwater Drainage Facilities in the County of Maui to retain all (100 percent) project-related increases in runoff. As such, there will be no drainage impacts on downstream properties generated by implementation of the proposed project. A copy of the drainage report will be provided to the HDOT during the construction plans review phase for the project.
3. We acknowledge the determination from your office that the findings of the Traffic Impact Analysis Report (TIAR) are reasonable. The DF&PS will continue to coordinate with the HDOT Highways Division as project planning progresses to ensure that the project is developed (1) to assure the safe entry and exit of emergency and non-emergency vehicles to and from the site; and, (2) to maintain current levels of operations and safety along this particular section of Hāna Highway.

We appreciate the input provided by your office. A copy of your comment letter and this response letter will be included in the Updated DEA for the project. Should you have any questions, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



Hoku Krueger  
Associate

HK:yp

cc: Bradford Ventura, County of Maui, Department of Fire and Public Safety  
Rylan Yatsushiro, County of Maui, Department of Fire and Public Safety  
Terry McFarland, Architects Hawaii, Ltd.  
Diane Kodama, AECOM

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**EXHIBIT A.**



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
869 PUNCHBOWL STREET  
HONOLULU, HAWAII 96813-5097

MAR 07 2011  
GLENN M. OKIMOTO  
DIRECTOR

Deputy Directors  
Ford N. Fuchigami  
Jan S. Gouveia  
Randy Grune  
Jadine Urasaki

IN REPLY REFER TO:

STP 8.0364

February 28, 2011

Mr. Mark Alexander Roy, AICP  
Program Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

Subject: Haiku Fire Station and Related Improvements  
Draft Environmental Assessment (DEA)

Thank you for requesting the Department of Transportation's (DOT) review of the subject Maui County project. DOT's comments are as follows:

1. DOT understands the County has agreed to work with DOT Highways Division to assure that the concerns contained in DOT letter STP 8.3479 dated December 18, 2010 (in Section VIII of the DEA) are fully addressed and that all necessary permits and approvals will be acquired.
2. While a preliminary drainage report was included in the DEA, DOT will defer commenting until the report is formally submitted for DOT's review and approval.
3. While the finding in the preliminary Traffic Impact Analysis Report (TIAR) appear reasonable, DOT recommends that further coordination be conducted with the DOT Highways Division to address access requirements and any other mitigation measures necessary to assure the safe entry and exit of emergency and non-emergency vehicles, as well as maintaining the operations and safety of Hana Highway.

If there are any questions or the need to meet with DOT Highway staff, please contact Mr. David Shimokawa of the DOT Statewide Transportation Planning Office at telephone number (808) 831-7976.

Very truly yours,

A handwritten signature in black ink, appearing to read "Glenn M. Okimoto".

GLENN M. OKIMOTO, Ph.D.  
Director of Transportation

c: Lee Mainaga, County of Maui, Department of Fire and Public Safety



FEB 17 2011

**STATE OF HAWAII**  
**OFFICE OF HAWAIIAN AFFAIRS**  
711 KAPI'OLANI BOULEVARD, SUITE 500  
HONOLULU, HAWAII 96813

HRD11/4142D

February 3, 2011

Mark Alexander Roy  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii'i 96793

**RE: Draft Environmental Assessment**  
**Haiku Fire Station Project**  
**Haiku, Island of Maui**

Aloha e Mark Alexander Roy,


The Office of Hawaiian Affairs (OHA) is in receipt of your January 6, 2011 request for comments on a Draft Environmental Assessment (DEA) for the Haiku Fire Station and related improvements (project) proposed by the County of Maui-Department of Fire and Public Safety (DF&PS) on approximately 6.1 acres of land in Haiku on the Island of Maui. This DEA will support the use of County of Maui lands and funds, a Land Use Commission District Boundary Amendment Petition (Agriculture to Rural), County of Maui subdivision application, County of Maui Change in Zoning (Agriculture to Public/Quasi-Public) and a Paia-Haiku Community Plan Amendment. The DF&PS will be the approving authority for the Final Environmental Assessment.

The project is intended to improve emergency services and response times for rural communities such as Haiku, Pauwela and Peahi which are currently served by the Paia Fire Station (6 miles west of the project) and Makawao Fire Station (8 miles south of the project). The fire station facility (station) will consist of administrative, vehicle storage and utility buildings to support the five personal who will be assigned to the station. Infrastructure improvements will be required.

OHA appreciates that Leadership in Energy and Environmental Design concepts will be used in the planning of the station. We concur with the County of Maui-Department of Water Supply recommendations that native plant species adapted to the project area be considered in landscaping designs. An archaeological inventory survey (AIS) was conducted in the project area and identified one historic property consisting of two component features. The Department of Land and Natural Resources-State Historic Preservation Division (SHPD) has reviewed and approved the AIS. The one historic property assigned significance criteria "D" and no further work or mitigation is required.

We concur with the anticipated “finding of no significant impact” determination in the DEA and applaud the efforts of the County of Maui to improve emergency services in Haiku. We look forward to seeing the project completed. Should you have any questions, please contact Keola Lindsey at 594-0244 or keolal@oha.org.

‘O wau iho nō me ka ‘oia‘i‘o,



Clyde W. Nāmu‘o  
Chief/Executive Officer

C: OHA- Maui Community Outreach Coordinator

Lee Mainaga- County of Maui-DF&PS  
200 Dairy Road  
Wailuku, Hawaii 96793



February 5, 2024

Stacy Kealohalani Ferreira, Chief  
Executive Officer  
Office of Hawaiian Affairs  
State of Hawai'i  
560 N. Nimitz Highway, Suite 200  
Honolulu, Hawai'i 96717

SUBJECT: Proposed Ha'ikū Fire Station Project and Related Improvements at  
TMK (2) 2-7-007:008(por.), Maui, Hawai'i

Dear Dr. Hussey:

Thank you for your office's letter dated February 3, 2011 providing comments on the 2011 Draft Environmental Assessment (DEA) and land use entitlement requests (District Boundary Amendment, Community Plan Amendment, Change of Zoning) for the subject project. See **Exhibit "A"**.

We are writing to you today on behalf of the County of Maui, Department of Fire & Public Safety (DF&PS) to provide you with an update on the status of the proposed Ha'ikū Fire Station project. Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawai'i Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide additional comments prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) to complete the environmental review process pursuant

Stacy Kealohalani Ferreira, Chief  
Executive Officer  
February 5, 2024  
Page 2

to HAR, Chapter 11-200. In light of the project resuming, we offer the following information in response to the comments presented in your 2011 letter:

1. We note that the Office of Hawaii Affairs (OHA) is in support of the project's commitment to Leadership in Energy and Environmental Design (LEED) certification. However, due to cost considerations, the project scope is no longer able to include LEED certification.
2. We note that OHA concurs with the Department of Water Supply's recommendation that appropriate native species be considered for use in the landscaping design for the project.
3. We note that OHA concurs with the Anticipated Finding of No Significant Impact (AFNSI) determination as contained in the DEA.
4. We thank OHA for its statement in support of the County of Maui's efforts to improve emergency service provision in the Ha'ikū area.

We appreciate the input provided by your office. A copy of your comment letter and this response letter will be included in the Updated DEA for the project. Should you have any questions, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



Hoku Krueger  
Associate

HK:yp

cc: Bradford Ventura, County of Maui, Department of Fire and Public Safety  
Rylan Yatsushiro, County of Maui, Department of Fire and Public Safety  
Terry McFarland, Architects Hawaii, Ltd.

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**EXHIBIT A.**



FEB 17 2011

**STATE OF HAWAII**  
**OFFICE OF HAWAIIAN AFFAIRS**  
711 KAPI'OLANI BOULEVARD, SUITE 500  
HONOLULU, HAWAII 96813

HRD11/4142D

February 3, 2011

Mark Alexander Roy  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii'i 96793

**RE: Draft Environmental Assessment**  
**Haiku Fire Station Project**  
**Haiku, Island of Maui**

Aloha e Mark Alexander Roy,

The Office of Hawaiian Affairs (OHA) is in receipt of your January 6, 2011 request for comments on a Draft Environmental Assessment (DEA) for the Haiku Fire Station and related improvements (project) proposed by the County of Maui-Department of Fire and Public Safety (DF&PS) on approximately 6.1 acres of land in Haiku on the Island of Maui. This DEA will support the use of County of Maui lands and funds, a Land Use Commission District Boundary Amendment Petition (Agriculture to Rural), County of Maui subdivision application, County of Maui Change in Zoning (Agriculture to Public/Quasi-Public) and a Paia-Haiku Community Plan Amendment. The DF&PS will be the approving authority for the Final Environmental Assessment.

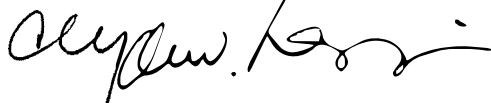
The project is intended to improve emergency services and response times for rural communities such as Haiku, Pauwela and Peahi which are currently served by the Paia Fire Station (6 miles west of the project) and Makawao Fire Station (8 miles south of the project). The fire station facility (station) will consist of administrative, vehicle storage and utility buildings to support the five personal who will be assigned to the station. Infrastructure improvements will be required.

OHA appreciates that Leadership in Energy and Environmental Design concepts will be used in the planning of the station. We concur with the County of Maui-Department of Water Supply recommendations that native plant species adapted to the project area be considered in landscaping designs. An archaeological inventory survey (AIS) was conducted in the project area and identified one historic property consisting of two component features. The Department of Land and Natural Resources-State Historic Preservation Division (SHPD) has reviewed and approved the AIS. The one historic property assigned significance criteria "D" and no further work or mitigation is required.



We concur with the anticipated “finding of no significant impact” determination in the DEA and applaud the efforts of the County of Maui to improve emergency services in Haiku. We look forward to seeing the project completed. Should you have any questions, please contact Keola Lindsey at 594-0244 or keolal@oha.org.

‘O wau iho nō me ka ‘oia‘i‘o,



Clyde W. Nāmu‘o  
Chief/Executive Officer

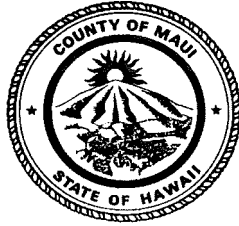
C: OHA- Maui Community Outreach Coordinator

Lee Mainaga- County of Maui-DF&PS  
200 Dairy Road  
Wailuku, Hawaii 96793

ALAN M. ARAKAWA  
Mayor

KYLE K. GINOZA, P.E.  
Director

MICHAEL M. MIYAMOTO  
Deputy Director



JAN 25 2011  
TRACY TAKAMINE, P.E.  
Solid Waste Division

Wastewater Reclamation Division

**COUNTY OF MAUI  
DEPARTMENT OF  
ENVIRONMENTAL MANAGEMENT**

2200 MAIN STREET, SUITE 100  
WAILUKU, MAUI, HAWAII 96793

January 21, 2011

Mr. Mark Alexander Roy  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

**SUBJECT: HAIKU FIRE STATION AND RELATED IMPROVEMENTS  
DRAFT ENVIRONMENTAL ASSESSMENT  
TMK (2) 2-7-007:008 (POR.), HAIKU**

We reviewed the subject project as a pre-application consultation and have the following comments:

1. Solid Waste Division comments:
  - a. No further comments..
2. Wastewater Reclamation Division (WWRD) comments:
  - a. None. There is no County wastewater system in the area of the subject project.

If you have any questions regarding this memorandum, please contact Michael Miyamoto at 270-8230.

Sincerely,

A handwritten signature in black ink, appearing to read "Kyle K. Ginoza", with a long horizontal flourish extending to the right.

KYLE K. GINOZA, P.E.  
Director of Environmental Management



February 5, 2024

Shayne Agawa, P.E., Director  
Department of Environmental Management  
County of Maui  
200 S. High Street  
Wailuku, Hawai'i 96793

**SUBJECT: Proposed Ha'ikū Fire Station Project and Related Improvements at  
TMK (2) 2-7-007:008(por.), Maui, Hawai'i**

---

Dear Mr. Agawa:

Thank you for your department's letter dated January 21, 2011 providing comments on the 2011 Draft Environmental Assessment (DEA) and land use entitlement requests (State Land Use Commission District Boundary Amendment, Community Plan Amendment, and Change of Zoning) for the proposed Ha'ikū Fire Station Project. See **Exhibit "A"**.

We are writing to you today on behalf of the County of Maui, Department of Fire & Public Safety (DF&PS) to provide you with an update on the status of the proposed Ha'ikū Fire Station project. Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawai'i Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide additional comments prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) to complete the environmental review process pursuant to HAR, Chapter 11-200. In light of the project resuming, we offer the following information in response to the comments presented in your 2011 letter:

Shayne Agawa, P.E., Director  
February 5, 2024  
Page 2

**SOLID WASTE DIVISION**

1. We acknowledge that the Solid Waste Division has no further comments at this time.

**WASTEWATER RECLAMATION DIVISION (WWRD)**

1. We thank you for confirming that there is no County wastewater system in the area of the proposed project. We acknowledge that the WWRD has no further comments at this time.

We appreciate the input provided by your office. A copy of your comment letter and this response letter will be included in the Updated DEA. Should you have any questions or require additional information, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



Hoku Krueger  
Associate

HK:yp

cc: Bradford Ventura, County of Maui, Department of Fire and Public Safety  
Rylan Yatsushiro, County of Maui, Department of Fire and Public Safety  
Terry McFarland, Architects Hawaii, Ltd.

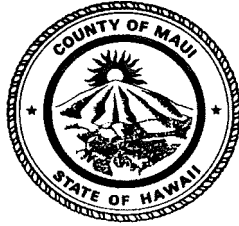
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**EXHIBIT A.**

ALAN M. ARAKAWA  
Mayor

KYLE K. GINOZA, P.E.  
Director

MICHAEL M. MIYAMOTO  
Deputy Director



JAN 25 2011  
TRACY TAKAMINE, P.E.  
Solid Waste Division

Wastewater Reclamation Division

**COUNTY OF MAUI  
DEPARTMENT OF  
ENVIRONMENTAL MANAGEMENT**

2200 MAIN STREET, SUITE 100  
WAILUKU, MAUI, HAWAII 96793

January 21, 2011

Mr. Mark Alexander Roy  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

**SUBJECT: HAIKU FIRE STATION AND RELATED IMPROVEMENTS  
DRAFT ENVIRONMENTAL ASSESSMENT  
TMK (2) 2-7-007:008 (POR.), HAIKU**

We reviewed the subject project as a pre-application consultation and have the following comments:

1. Solid Waste Division comments:
  - a. No further comments..
2. Wastewater Reclamation Division (WWRD) comments:
  - a. None. There is no County wastewater system in the area of the subject project.

If you have any questions regarding this memorandum, please contact Michael Miyamoto at 270-8230.

Sincerely,

A handwritten signature in black ink, appearing to read "Kyle K. Ginoza", with a long horizontal flourish extending to the right.

KYLE K. GINOZA, P.E.  
Director of Environmental Management



DEPARTMENT OF  
**HOUSING AND HUMAN CONCERNS**  
HOUSING DIVISION  
COUNTY OF MAUI

FEB 02 2011

ALAN M. ARAKAWA  
Mayor

JO-ANN T. RIDAO  
Director

JAN SHISHIDO  
Deputy Director

---

35 LUNALILO STREET, SUITE 102 • WAILUKU, HAWAII 96793 • PHONE (808) 270-7351 • FAX (808) 270-6284

January 27, 2011

Mr. Lee Mainaga, Fire Services Officer  
County of Maui  
Department of Fire and Public Safety  
200 Dairy Road  
Wailuku, Hawaii 96793

Dear Mr. Mainaga:

**Subject: Draft Environmental Assessment (EA) and Land Use Entitlement Applications (District Boundary Amendment, Community Plan Amendment and Change in Zoning) for the Proposed Haiku Fire Station and Related Improvements located at Haiku, Maui, Hawaii (DBA 2010/0002) (CIZ 2010/0008) (CPA 2010/0006). TMK (2)2-7-007:008 (por.)**

The Department has reviewed the Draft Environmental Assessment for the above subject project. Based on our review, we have determined that the subject project is not subject to Chapter 2.96, Maui County Code. At the present time, the Department has no additional comments to offer.

Please call Mr. Buddy Almeida of our Housing Division at (808) 270-7356 if you have any questions.

Sincerely,

WAYDE T. OSHIRO  
Housing Administrator

cc: Director of Housing and Human Concerns  
Kurt Wollenhaupt, Department of Planning  
✓ Mark Alexander, Munekiyo & Hiraga, Inc.

February 5, 2024

Lori Tzuhako, Director  
Department of Housing and Human Concerns  
County of Maui  
2200 Main Street, Suite 546  
Wailuku, Hawai'i 96793

SUBJECT: Proposed Ha'ikū Fire Station Project and Related Improvements at  
TMK (2) 2-7-007:008(por.), Maui, Hawai'i

Dear Ms. Tzuhako:

Thank you for your department's letter dated January 27, 2011 providing comments on the 2011 Draft Environmental Assessment (DEA) and land use entitlement requests (State Land Use Commission District Boundary Amendment, Community Plan Amendment, and Change of Zoning) for the proposed Ha'ikū Fire Station Project. See **Exhibit "A"**.

We are writing to you today on behalf of the County of Maui, Department of Fire & Public Safety (DF&PS) to provide you with an update on the status of the proposed Ha'ikū Fire Station project. Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawai'i Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide additional comments prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) to complete the environmental review process pursuant



Lori Tsuhako, Director  
February 5, 2024  
Page 2

to HAR, Chapter 11-200. In light of the project resuming, we offer the following information in response to the comments presented in your 2011 letter:

We appreciate your confirmation that the subject project is not subject to Chapter 2.96, Maui County Code (Residential Workforce Housing Policy).

1. We note that the Department has no additional comments to offer on the project.

We appreciate the input provided by your office. A copy of your letter and this response letter will be included in the Updated DEA. Should you have any questions, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



Hoku Krueger  
Associate

HK:yp

cc: Bradford Ventura, County of Maui, Department of Fire and Public Safety  
Rylan Yatsushiro, County of Maui, Department of Fire and Public Safety  
Terry McFarland, Architects Hawaii, Ltd.

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**EXHIBIT A.**



DEPARTMENT OF  
**HOUSING AND HUMAN CONCERNS**  
HOUSING DIVISION  
COUNTY OF MAUI

FEB 02 2011

ALAN M. ARAKAWA  
Mayor

JO-ANN T. RIDAO  
Director

JAN SHISHIDO  
Deputy Director

---

35 LUNALILO STREET, SUITE 102 • WAILUKU, HAWAII 96793 • PHONE (808) 270-7351 • FAX (808) 270-6284

January 27, 2011

Mr. Lee Mainaga, Fire Services Officer  
County of Maui  
Department of Fire and Public Safety  
200 Dairy Road  
Wailuku, Hawaii 96793

Dear Mr. Mainaga:

**Subject: Draft Environmental Assessment (EA) and Land Use Entitlement Applications (District Boundary Amendment, Community Plan Amendment and Change in Zoning) for the Proposed Haiku Fire Station and Related Improvements located at Haiku, Maui, Hawaii (DBA 2010/0002) (CIZ 2010/0008) (CPA 2010/0006). TMK (2)2-7-007:008 (por.)**

The Department has reviewed the Draft Environmental Assessment for the above subject project. Based on our review, we have determined that the subject project is not subject to Chapter 2.96, Maui County Code. At the present time, the Department has no additional comments to offer.

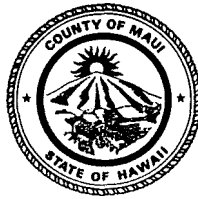
Please call Mr. Buddy Almeida of our Housing Division at (808) 270-7356 if you have any questions.

Sincerely,

WAYDE T. OSHIRO  
Housing Administrator

cc: Director of Housing and Human Concerns  
Kurt Wollenhaupt, Department of Planning  
✓ Mark Alexander, Munekiyo & Hiraga, Inc.

ALAN M. ARAKAWA  
Mayor



FEB 11 2011

GLENN T. CORREA  
Director

PATRICK T. MATSUI  
Deputy Director

(808) 270-7230  
FAX (808) 270-7934

**DEPARTMENT OF PARKS & RECREATION**

700 Hali'a Nakoia Street, Unit 2, Wailuku, Hawaii 96793

February 7, 2011

Mark Alexander Roy, Program Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, HI 96793

**SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT AND LAND USE ENTITLEMENT APPLICATIONS (DISTRICT BOUNDARY AMENDMENT, COMMUNITY PLAN AMENDMENT AND CHANGE IN ZONING) FOR THE PROPOSED HAIKU FIRE STATION AND RELATED IMPROVEMENTS AT TMK (2)2-7-007:008 (por.) HAIKU, MAUI, HAWAII (DBA 2010/0002) (CIZ 2010/0008) (CPA 2010/0006)**

Dear Mr. Roy:

Our department has reviewed the reference project Draft Environmental Assessment and we have no comment or objection to this project at this time.

Should you have any questions or concerns, please feel free to contact me or Steve Grogan, Capital Improvements Project Coordinator, at 270-6158.

Sincerely,

A handwritten signature in black ink, appearing to read "G. Correa", is written over the printed name.

GLENN T. CORREA  
Director of Parks & Recreation

c: Robert Halvorson, Chief of Planning and Development Division, TA

GTC:RH:sg

S:\PLANNING\Steve G\No Objections -Haiku Fire Station.doc



February 5, 2024

Patrick McCall, Director  
Department of Parks and Recreation  
County of Maui  
700 Halia Nako Street, Unit 2F  
Wailuku, Hawai'i 96793

**SUBJECT: Proposed Ha'ikū Fire Station Project and Related Improvements at  
TMK (2) 2-7-007:008(por.), Maui, Hawaii**

Dear Mr. McCall:

Thank you for your department's letter dated February 7, 2011 providing comments on the 2011 Draft Environmental Assessment (DEA) and land use entitlement requests (State Land Use Commission District Boundary Amendment, Community Plan Amendment, and Change of Zoning) for the proposed Ha'ikū Fire Station Project. See **Exhibit "A"**.

We are writing to you today on behalf of the County of Maui, Department of Fire & Public Safety (DF&PS) to provide you with an update on the status of the proposed Ha'ikū Fire Station project. Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawai'i Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide additional comments prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) to complete the environmental review process pursuant

Patrick McCall, Director  
February 5, 2024  
Page 2

to HAR, Chapter 11-200. In light of the project resuming, we offer the following information in response to the comments presented in your 2011 letter:

1. We note that the Department has no objections to the project at this time.

We appreciate the input provided by your office. A copy of your comment letter and response letter will be included in the Updated DEA. Should you have any questions or require additional information, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



Hoku Krueger  
Associate

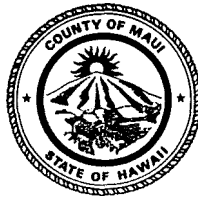
HK:yp

cc: Bradford Ventura, County of Maui, Department of Fire and Public Safety  
Rylan Yatsushiro, County of Maui, Department of Fire and Public Safety  
Terry McFarland, Architects Hawaii, Ltd.

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**EXHIBIT A.**

ALAN M. ARAKAWA  
Mayor



FEB 11 2011

GLENN T. CORREA  
Director

PATRICK T. MATSUI  
Deputy Director

(808) 270-7230  
FAX (808) 270-7934

**DEPARTMENT OF PARKS & RECREATION**

700 Hali'a Nakoia Street, Unit 2, Wailuku, Hawaii 96793

February 7, 2011

Mark Alexander Roy, Program Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, HI 96793

**SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT AND LAND USE ENTITLEMENT APPLICATIONS (DISTRICT BOUNDARY AMENDMENT, COMMUNITY PLAN AMENDMENT AND CHANGE IN ZONING) FOR THE PROPOSED HAIKU FIRE STATION AND RELATED IMPROVEMENTS AT TMK (2)2-7-007:008 (por.) HAIKU, MAUI, HAWAII (DBA 2010/0002) (CIZ 2010/0008) (CPA 2010/0006)**

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Our department has reviewed the reference project Draft Environmental Assessment and we have no comment or objection to this project at this time.

Should you have any questions or concerns, please feel free to contact me or Steve Grogan, Capital Improvements Project Coordinator, at 270-6158.

Sincerely,

A handwritten signature in black ink, appearing to read "G. Correa".

GLENN T. CORREA  
Director of Parks & Recreation

c: Robert Halvorson, Chief of Planning and Development Division, TA

GTC:RH:sg

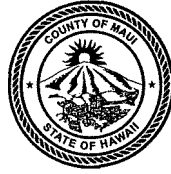
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ALAN M. ARAKAWA  
Mayor

WILLIAM R. SPENCE  
Director

MICHELE CHOUTEAU McLEAN  
Deputy Director



FEB 08 2011

COUNTY OF MAUI  
**DEPARTMENT OF PLANNING**

February 7, 2011

Mr. Mark Roy, AICP  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

**SUBJECT: COMMENTS ON A DRAFT ENVIRONMENTAL ASSESSMENT (EA)  
FOR THE PROPOSED HAIKU FIRE STATION AND RELATED  
IMPROVEMENTS LOCATED MAUKA OF HANA HIGHWAY, AT EAST  
KUIAHA ROAD, HAIKU, MAUI, HAWAII; TMK: (2) 2-7-007:008 (POR.)  
(EAC 2011/0001)**

The Department of Planning (Department) is in receipt of the above-referenced request for comments on the Haiku Fire Station Draft EA. The Department understands the proposed action includes the following:

- The Applicant is the County of Maui Department of Fire and Public Safety, and the project is proposed on land owned by the County of Maui;
- The project will consist of administrative, vehicle storage, and utility buildings on approximately 6.1 acres; and
- The fire station will be designed to U.S. Green Building Council's LEED green building rating system.

Based on the foregoing, the Department provides the following comments on the Draft EA:

1. The land use designations for the project area are as follows:
  - State Land Use: Agricultural
  - Paia-Haiku Community Plan: Agriculture
  - County Zoning: Agricultural
  - Other: Outside the Special Management Area (SMA)

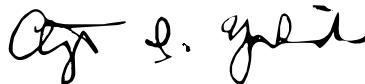
These designations have been confirmed through the Department's Zoning Administration and Enforcement Division (ZAED) via a Zoning and Flood Confirmation Form dated February 7, 2011.

Mr. Mark Roy, AICP  
February 7, 2011  
Page 2

2. Please provide the level of LEED certification you plan to pursue and describe in detail how you plan to achieve this level. This will prove helpful when your project goes before the Urban Design Review Board (UDRB) and the Maui Planning Commission (Commission);
3. Please note that the Department is currently revising Chapter 19.31, Public/Quasi-Public Districts of the Maui County Code. It may prove prudent to contact the Department's Administrative Planning Officer Joseph Alueta at (808) 270-7743 to obtain a draft copy of the proposed revisions. It is likely the code revisions will be processed before your proposal is processed and you would be subject to these revisions; and
4. Fifteen (15) hard copies of the Final Environmental Document will be required for distribution to the Commission prior to entitlement applications being scheduled before the Commission.

Thank you for the opportunity to comment. Should you require further clarification, please contact Staff Planner Joseph Prutch by email at [joseph.prutch@mauicounty.gov](mailto:joseph.prutch@mauicounty.gov) or by phone at (808) 270-7512. Please note that Mr. Prutch has taken over this project from Staff Planner Kurt Wollenhaupt and will be the planner processing the land use entitlements.

Sincerely,



CLAYTON I. YOSHIDA, AICP  
Planning Program Administrator

*for* WILLIAM SPENCE  
Planning Director

xc: Joseph M. Prutch, Staff Planner  
Joseph W. Alueta, Administrative Planning Officer  
Lee Mainaga, Fire Services Officer, Department of Fire and Public Safety  
EAC File  
General File

WRS:CIY:JMP:vb  
K:\WP\_DOCS\PLANNING\EAC\2011\0001\_HaikuFireStation\CommentLtr.doc

February 5, 2024

Garrett Smith, Acting Director  
Department of Planning  
County of Maui  
2200 Main Street, Suite 315  
Wailuku, Hawai'i 96793

SUBJECT: Proposed Ha'ikū Fire Station Project and Related Improvements at  
TMK (2) 2-7-007:008(por.), Maui, Hawai'i

Dear Mr. Smith:

Thank you for your department's letter dated February 7, 2011 providing comments on the 2011 Draft Environmental Assessment (DEA) and land use entitlement requests (State Land Use Commission District Boundary Amendment, Community Plan Amendment, and Change of Zoning) for the proposed Ha'ikū Fire Station Project. See **Exhibit "A"**.

We are writing to you today on behalf of the County of Maui, Department of Fire & Public Safety (DF&PS) to provide you with an update on the status of the proposed Ha'ikū Fire Station project. Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawai'i Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide additional comments prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) to complete the environmental review process pursuant

Garrett Smith, Acting Director  
February 5, 2024  
Page 2

to HAR, Chapter 11-200. In light of the project resuming, we offer the following information in response to the comments presented in your 2011 letter:

1. We appreciate the confirmation of the land use designations for the subject property from the Department's Zoning, Administration and Enforcement Division.
2. Due to cost considerations, Leadership in Energy and Environmental Design (LEED) certification is no longer being pursued for the project.
3. We note the County Council approved amendments to Chapter 19.31, Public/Quasi-Public Districts of the Maui County Code (Ordinance 4048, June 2013). We also acknowledge that Ordinance 5372 recently amended section 19.31.050, Development standards in 2022. Copies of Ordinances 4048 and 5372 will be reviewed as part of the ongoing project planning process.
4. Should the Department of Fire & Public Safety issue a Finding of No Significant Impact (FONSI) for the project, fifteen (15) copies of the Final EA will be provided to the Department as requested for distribution to the Maui Planning Commission as part of the Planning Director-initiated land use entitlement application review process.

We appreciate the input provided by your office. A copy of your comment letter and this response letter will be included in the Updated DEA. Should you have any questions or require additional information, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



Hoku Krueger  
Associate

HK:yp

cc: Bradford Ventura, County of Maui, Department of Fire and Public Safety  
Rylan Yatsushiro, County of Maui, Department of Fire and Public Safety  
Terry McFarland, Architects Hawaii, Ltd.  
Diane Kodama, AECOM

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**EXHIBIT A.**

ALAN M. ARAKAWA  
Mayor

WILLIAM R. SPENCE  
Director

MICHELE CHOUTEAU McLEAN  
Deputy Director



FEB 08 2011

COUNTY OF MAUI  
**DEPARTMENT OF PLANNING**

February 7, 2011

Mr. Mark Roy, AICP  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

**SUBJECT: COMMENTS ON A DRAFT ENVIRONMENTAL ASSESSMENT (EA)  
FOR THE PROPOSED HAIKU FIRE STATION AND RELATED  
IMPROVEMENTS LOCATED MAUKA OF HANA HIGHWAY, AT EAST  
KUIAHA ROAD, HAIKU, MAUI, HAWAII; TMK: (2) 2-7-007:008 (POR.)  
(EAC 2011/0001)**

The Department of Planning (Department) is in receipt of the above-referenced request for comments on the Haiku Fire Station Draft EA. The Department understands the proposed action includes the following:

- The Applicant is the County of Maui Department of Fire and Public Safety, and the project is proposed on land owned by the County of Maui;
- The project will consist of administrative, vehicle storage, and utility buildings on approximately 6.1 acres; and
- The fire station will be designed to U.S. Green Building Council's LEED green building rating system.

Based on the foregoing, the Department provides the following comments on the Draft EA:

1. The land use designations for the project area are as follows:
  - State Land Use: Agricultural
  - Paia-Haiku Community Plan: Agriculture
  - County Zoning: Agricultural
  - Other: Outside the Special Management Area (SMA)

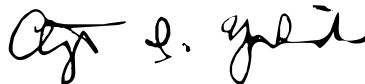
These designations have been confirmed through the Department's Zoning Administration and Enforcement Division (ZAED) via a Zoning and Flood Confirmation Form dated February 7, 2011.

Mr. Mark Roy, AICP  
February 7, 2011  
Page 2

2. Please provide the level of LEED certification you plan to pursue and describe in detail how you plan to achieve this level. This will prove helpful when your project goes before the Urban Design Review Board (UDRB) and the Maui Planning Commission (Commission);
3. Please note that the Department is currently revising Chapter 19.31, Public/Quasi-Public Districts of the Maui County Code. It may prove prudent to contact the Department's Administrative Planning Officer Joseph Alueta at (808) 270-7743 to obtain a draft copy of the proposed revisions. It is likely the code revisions will be processed before your proposal is processed and you would be subject to these revisions; and
4. Fifteen (15) hard copies of the Final Environmental Document will be required for distribution to the Commission prior to entitlement applications being scheduled before the Commission.

Thank you for the opportunity to comment. Should you require further clarification, please contact Staff Planner Joseph Prutch by email at [joseph.prutch@mauicounty.gov](mailto:joseph.prutch@mauicounty.gov) or by phone at (808) 270-7512. Please note that Mr. Prutch has taken over this project from Staff Planner Kurt Wollenhaupt and will be the planner processing the land use entitlements.

Sincerely,

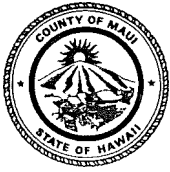


CLAYTON I. YOSHIDA, AICP  
Planning Program Administrator

*for* WILLIAM SPENCE  
Planning Director

xc: Joseph M. Prutch, Staff Planner  
Joseph W. Alueta, Administrative Planning Officer  
Lee Mainaga, Fire Services Officer, Department of Fire and Public Safety  
EAC File  
General File

WRS:CIY:JMP:vb  
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ALAN M. ARAKAWA  
MAYOR

OUR REFERENCE  
YOUR REFERENCE

# POLICE DEPARTMENT

## COUNTY OF MAUI

55 MAHALANI STREET  
WAILUKU, HAWAII 96793  
(808) 244-6400  
FAX (808) 244-6411

January 13, 2011

JAN 18 2011



GARY A. YABUTA  
CHIEF OF POLICE

CLAYTON N.Y.W. TOM  
DEPUTY CHIEF OF POLICE

Mr. Mark Alexander Roy, AICP  
Program Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, HI 96793

Dear Mr. Roy:

SUBJECT: Draft EA and Land Use Entitlement Applications for the Proposed Haiku Fire Station and Related Improvements at TMK (2) 2-7-007:008 (por.) (DBA 2010/0002) (CIZ 2010/0008) (CPA 2010/0006)

This is in response to the request for comments on the above subject.

We have reviewed the information submitted for this project and have submitted our comments and/or recommendations. Thank you for giving us the opportunity to comment on this project.

Very truly yours,

Assistant Chief Danny Matsuura

for: Gary A. Yabuta  
Chief of Police

c: William Spence, Planning Department



**COPY**

**TO : GARY YABUTA, CHIEF OF POLICE, COUNTY OF MAUI**  
**VIA : CHANNELS** *A. D. Markham*  
**FROM : BARRY KUBO, SERGEANT, S.R.O. SUPERVISOR, WAILUKU PATROL** *1/13/11*  
**SUBJECT : RESPONSE TO A DRAFT ENVIRONMENTAL ASSESSMENT (EA), AND LAND USE ENTITLEMENT APPLICATIONS (DISTRICT BOUNDARY AMENDMENT, COMMUNITY PLAN AMENDMENT AND CHANGE IN ZONING) FOR THE PROPOSED HAIKU FIRE STATION AND RELATED IMPROVEMENTS**

This communication is submitted as a response to a request for pre-consultation comments by Munekiyo and Hiraga, Inc., Project Manager Mark Alexander ROY, regarding:

**SUBJECT : RESPONSE TO A DRAFT ENVIRONMENTAL ASSESSMENT (EA) FOR THE PROPOSED HAIKU FIRE STATION AND RELATED IMPROVEMENTS**

**RESPONSE:**

In review of the submitted documents, concerns from the police perspective are upon the safety of pedestrian and vehicular movement.

This project entails the construction of a new Haiku Fire Station as well as other related improvements upon 6.1 acres of property owned by the County of Maui.


**EXISTING ROADWAY CONDITION:**

The project site is located adjacent to Hana Highway, a State of Hawaii roadway that serves as the main access road along the northern coast of Maui. It is a predominantly two-lane, two-way roadway generally oriented in the east-west direction. Southeast of the project site, Hana Highway intersects with East Kuiaha Road at an unsignaled intersection. East Kuiaha Road is a two-lane, two-way County owned roadway generally oriented in the north-south direction. At the intersection with Hana Highway, the East Kuiaha Road approach has one stop controlled northbound lane that serves all traffic movements. The southbound approach of the intersection is comprised of a driveway serving an adjacent parcel.

The proposed waterline corridor extends east of the project site and follows East Kuiaha Road through Dolder Drive and Haiku Road, eventually ending at a connection to an existing waterline, at the southern intersection of Haiku Road and West Kuiaha Road.

Much of Haiku is composed of rural residential and agricultural areas. Due to the rural nature of the area, traffic is generally light and with minimal traffic congestion.

Suggest a traffic study be conducted for the areas affected.

RECOMMEND TRAFFIC STUDY  
BE CONDUCTED TO DETERMINE  
ACTUAL IMPACT ON AREA.  
  
1/12/11

Respectfully submitted,



Sgt. Barry KUBO #9956  
Patrol Division/Wailuku District  
01/11/11 @ 1430hours



February 5, 2024

John Pelletier, Chief  
Maui Police Department  
County of Maui  
55 Mahalani Street  
Wailuku, Hawai'i 96793

**SUBJECT: Proposed Ha'ikū Fire Station Project and Related Improvements at  
TMK (2) 2-7-007:008(por.), Maui, Hawai'i**

---

Dear Chief Pelletier:

Thank you for your department's letter dated January 13, 2011 providing comments on the 2011 Draft Environmental Assessment (DEA) and land use entitlement requests (State Land Use Commission District Boundary Amendment, Community Plan Amendment, and Change of Zoning) for the proposed Ha'ikū Fire Station Project. See **Exhibit "A"**.

We are writing to you today on behalf of the County of Maui, Department of Fire & Public Safety (DF&PS) to provide you with an update on the status of the proposed Ha'ikū Fire Station project. Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawai'i Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide additional comments prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) to complete the environmental review process pursuant

John Pelletier, Chief  
February 5, 2024  
Page 2

to HAR, Chapter 11-200. In light of the project resuming, we offer the following information in response to the comments presented in your 2011 letter:

1. We note the Department's concerns regarding potential impacts on vehicular and pedestrian movements generated by the subject project. As recommended in your letter, a Traffic Impact Analysis Report (TIAR) was prepared for the project, a copy of which was presented in Appendix "E" of the 2011 Draft EA. Because a number of years have passed since the TIAR had been completed, a supplemental TIAR was conducted. It is included in the Updated Draft EA as Appendix "E-2". The supplemental TIAR determines that, although some years have passed since the preparation of the 2015 TIAR, the conclusions in that TIAR are still applicable. Given the small number of personnel expected to be assigned to the new fire station and low trip generation associated with the facility, the updated project is not anticipated to present significant adverse impacts on Hāna Highway and other roadways serving the Ha'ikū area.

We appreciate the input provided by the Police Department. A copy of your comment letter and this response letter will be included in the Updated DEA. Should you have any questions or require additional information, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



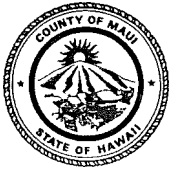
Hoku Krueger  
Associate

HK:yp

cc: Bradford Ventura, County of Maui, Department of Fire and Public Safety  
Rylan Yatsushiro, County of Maui, Department of Fire and Public Safety  
Terry McFarland, Architects Hawaii, Ltd.  
Diane Kodama, AECOM  
Cathy Leong, Wilson Okamoto Corporation

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**EXHIBIT A.**



ALAN M. ARAKAWA  
MAYOR

OUR REFERENCE

YOUR REFERENCE

**POLICE DEPARTMENT**  
COUNTY OF MAUI

55 MAHALANI STREET  
WAILUKU, HAWAII 96793  
(808) 244-6400  
FAX (808) 244-6411

January 13, 2011

JAN 18 2011



GARY A. YABUTA  
CHIEF OF POLICE

CLAYTON N.Y.W. TOM  
DEPUTY CHIEF OF POLICE

Mr. Mark Alexander Roy, AICP  
Program Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, HI 96793

Dear Mr. Roy:

SUBJECT: Draft EA and Land Use Entitlement Applications for the Proposed  
Haiku Fire Station and Related Improvements at TMK (2) 2-7-007:008  
(por.) (DBA 2010/0002) (CIZ 2010/0008) (CPA 2010/0006)

This is in response to the request for comments on the above subject.

We have reviewed the information submitted for this project and have submitted our  
comments and/or recommendations. Thank you for giving us the opportunity to comment  
on this project.

Very truly yours,

Assistant Chief Danny Matsuura

for: Gary A. Yabuta  
Chief of Police

c: William Spence, Planning Department

**COPY**

**TO : GARY YABUTA, CHIEF OF POLICE, COUNTY OF MAUI**  
**VIA : CHANNELS** *A. D. Markham*  
**FROM : BARRY KUBO, SERGEANT, S.R.O. SUPERVISOR, WAILUKU PATROL** *1/13/11*  
**SUBJECT : RESPONSE TO A DRAFT ENVIRONMENTAL ASSESSMENT (EA), AND LAND USE ENTITLEMENT APPLICATIONS (DISTRICT BOUNDARY AMENDMENT, COMMUNITY PLAN AMENDMENT AND CHANGE IN ZONING) FOR THE PROPOSED HAIKU FIRE STATION AND RELATED IMPROVEMENTS**

This communication is submitted as a response to a request for pre-consultation comments by Munekiyo and Hiraga, Inc., Project Manager Mark Alexander ROY, regarding:

**SUBJECT : RESPONSE TO A DRAFT ENVIRONMENTAL ASSESSMENT (EA) FOR THE PROPOSED HAIKU FIRE STATION AND RELATED IMPROVEMENTS**

**RESPONSE:**

In review of the submitted documents, concerns from the police perspective are upon the safety of pedestrian and vehicular movement.

This project entails the construction of a new Haiku Fire Station as well as other related improvements upon 6.1 acres of property owned by the County of Maui.


**EXISTING ROADWAY CONDITION:**

The project site is located adjacent to Hana Highway, a State of Hawaii roadway that serves as the main access road along the northern coast of Maui. It is a predominantly two-lane, two-way roadway generally oriented in the east-west direction. Southeast of the project site, Hana Highway intersects with East Kuiaha Road at an unsignaled intersection. East Kuiaha Road is a two-lane, two-way County owned roadway generally oriented in the north-south direction. At the intersection with Hana Highway, the East Kuiaha Road approach has one stop controlled northbound lane that serves all traffic movements. The southbound approach of the intersection is comprised of a driveway serving an adjacent parcel.

The proposed waterline corridor extends east of the project site and follows East Kuiaha Road through Dolder Drive and Haiku Road, eventually ending at a connection to an existing waterline, at the southern intersection of Haiku Road and West Kuiaha Road.

Much of Haiku is composed of rural residential and agricultural areas. Due to the rural nature of the area, traffic is generally light and with minimal traffic congestion.

Suggest a traffic study be conducted for the areas affected.

RECOMMEND TRAFFIC STUDY  
BE CONDUCTED TO DETERMINE  
ACTUAL IMPACT ON AREA.  
  
1/17/11

Respectfully submitted,



Sgt. Barry KUBO #9956  
Patrol Division/Wailuku District  
01/11/11 @ 1430hours



FEB 17 2011

ALAN M. ARAKAWA  
Mayor

DAVID C. GOODE  
Director

ROWENA M. DAGDAG-ANDAYA  
Deputy Director

Telephone: (808) 270-7845  
Fax: (808) 270-7955



COUNTY OF MAUI  
**DEPARTMENT OF PUBLIC WORKS**  
200 SOUTH HIGH STREET, ROOM NO. 434  
WAILUKU, MAUI, HAWAII 96793

RALPH NAGAMINE, L.S., P.E.  
Development Services Administration

CARY YAMASHITA, P.E.  
Engineering Division

BRIAN HASHIRO, P.E.  
Highways Division

February 9, 2011

Mr. Mark Alexander Roy, AICP  
MUNEKIYO & HIRAGA, INC.  
305 High Street, Suite 104  
Wailuku, Maui, Hawaii 96793

Dear Mr. Roy:

**SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT (EA), AND  
LAND USE ENTITLEMENT APPLICATIONS FOR THE  
PROPOSED HAIKU FIRE STATION AND RELATED  
IMPROVEMENTS; TMK: (2) 2-7-007:008 (POR.)  
DBA 2010/0002; CIZ 2010/0008; CPA 2010/0006**

We reviewed the subject application and have the following comments:

Development Services Administration Comments:

1. The plans submitted for this project do not adequately show sufficient details to determine whether the project is compliant with the Building Code. We will review the project for Building Code requirements during the building permit application process.
2. When a project is financed with State or County funds, the requirements of Hawaii Revised Statutes, Section 103-50 regarding access for individuals with disabilities will apply.

Engineering Division Comments:

3. The applicant shall be responsible for all required improvements as required by Hawaii Revised Statutes, Maui County Code and rules and regulations.

Mr. Mark Alexander Roy, AICP  
February 9, 2011  
Page 2

4. As applicable, construction plans shall be designed in conformance with Hawaii Standard Specifications for Road and Bridge Construction dated 2005 and Standard Details for Public Works Construction, 1984, as amended.
5. As applicable, worksite traffic-control plans/devices shall conform to "Manual on Uniform Traffic Control Devices for Streets and Highways", 2003.

Please call Rowena M. Dagdag-Andaya at 270-7845 if you have any questions regarding this letter.

Sincerely,

  
DAVID C. GOODE  
Director of Public Works

DCG:RMDA:ls

xc: Highways Division  
Engineering Division

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February 5, 2024

Jordan Molina, Director  
Department of Public Works  
200 South High Street, 4th Floor  
Wailuku, Hawai'i 96793

**SUBJECT: Proposed Ha'ikū Fire Station Project and Related Improvements at  
TMK (2) 2-7-007:008(por.), Maui, Hawai'i**

Dear Mr. Molina:

Thank you for your department's letter dated February 9, 2011 providing comments from the Department of Public Works (DPW) on the 2011 Draft Environmental Assessment (DEA) and land use entitlement requests (District Boundary Amendment, Community Plan Amendment, Change of Zoning) for the subject project. See **Exhibit "A"**.

We are writing to you today on behalf of the County of Maui, Department of Fire & Public Safety (DF&PS) to provide you with an update on the status of the proposed Haiku Fire Station project. Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawaii Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new EIS rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide additional comments prior to DF&PS proceeding with the preparation of the Final EA to complete the environmental review process pursuant to HAR, Chapter 11-200. In light of the project resuming, we offer the following information in response to the comments presented in your 2011 letter:

**Development Services Administration (DSA) Comments**

1. We note that DSA will review the proposed project for compliance with building code requirements during the building permit application process.
2. The proposed project will be designed to comply with Section 103-50, Hawaii Revised Statutes regarding access for individuals with disabilities as well as applicable Americans with Disabilities Act (ADA) requirements.

**Engineering Division Comments**

3. We acknowledge that certain infrastructure improvements as may be required by Hawaii Revised Statutes, Maui County Code and the DPW rules and regulations will need to be completed as part of the project.
4. Construction plans for the project will be designed in conformance with applicable requirements of the 'Hawaii Standard Specifications for Road and Bridge Construction' (2005) and the 'Standard Details for Public Works Construction' (1984, as amended).
5. Worksite traffic control plans/devices utilized for the project will conform to applicable requirements of the 'Manual on Uniform Traffic Control Devices for Streets and Highways' (2003).

We appreciate the input provided by your office. A copy of your comment letter and this response letter will be included in the Updated DEA for the project. Should you have any questions, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,

Hoku Krueger  
Associate

HK:yp

cc: Bradford Ventura, County of Maui, Department of Fire and Public Safety  
Rylan Yatsushiro, County of Maui, Department of Fire and Public Safety  
Terry McFarland, Architects Hawaii, Ltd.  
Diane Kodama, AECOM

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**EXHIBIT A.**

FEB 17 2011

ALAN M. ARAKAWA  
Mayor

DAVID C. GOODE  
Director

ROWENA M. DAGDAG-ANDAYA  
Deputy Director

Telephone: (808) 270-7845  
Fax: (808) 270-7955



COUNTY OF MAUI  
**DEPARTMENT OF PUBLIC WORKS**  
200 SOUTH HIGH STREET, ROOM NO. 434  
WAILUKU, MAUI, HAWAII 96793

RALPH NAGAMINE, L.S., P.E.  
Development Services Administration

CARY YAMASHITA, P.E.  
Engineering Division

BRIAN HASHIRO, P.E.  
Highways Division

February 9, 2011

Mr. Mark Alexander Roy, AICP  
MUNEKIYO & HIRAGA, INC.  
305 High Street, Suite 104  
Wailuku, Maui, Hawaii 96793

Dear Mr. Roy:

**SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT (EA), AND  
LAND USE ENTITLEMENT APPLICATIONS FOR THE  
PROPOSED HAIKU FIRE STATION AND RELATED  
IMPROVEMENTS; TMK: (2) 2-7-007:008 (POR.)  
DBA 2010/0002; CIZ 2010/0008; CPA 2010/0006**

We reviewed the subject application and have the following comments:

Development Services Administration Comments:

1. The plans submitted for this project do not adequately show sufficient details to determine whether the project is compliant with the Building Code. We will review the project for Building Code requirements during the building permit application process.
2. When a project is financed with State or County funds, the requirements of Hawaii Revised Statutes, Section 103-50 regarding access for individuals with disabilities will apply.

Engineering Division Comments:

3. The applicant shall be responsible for all required improvements as required by Hawaii Revised Statutes, Maui County Code and rules and regulations.

Mr. Mark Alexander Roy, AICP  
February 9, 2011  
Page 2

4. As applicable, construction plans shall be designed in conformance with Hawaii Standard Specifications for Road and Bridge Construction dated 2005 and Standard Details for Public Works Construction, 1984, as amended.
5. As applicable, worksite traffic-control plans/devices shall conform to "Manual on Uniform Traffic Control Devices for Streets and Highways", 2003.

Please call Rowena M. Dagdag-Andaya at 270-7845 if you have any questions regarding this letter.

Sincerely,

  
DAVID C. GOODE  
Director of Public Works

DCG:RMDA:ls

xc: Highways Division  
Engineering Division

S:\LUCA\CZM\prop\_haiku\_fire\_station\_dba\_ciz\_cpa\_27007007\_ls.wpd

ALAN M. ARAKAWA  
MAYOR



JAN 25 2011

JO ANNE JOHNSON  
Director  
MARC I. TAKAMORI  
Deputy Director  
Telephone (808) 270-7511

**DEPARTMENT OF TRANSPORTATION**

COUNTY OF MAUI  
200 South High Street  
Wailuku, Hawaii, USA 96793-2155

January 20, 2011

Mr. Mark Alexander Roy  
Munekiyo & Hiraga Inc.  
305 High Street, Suite 104  
Wailuku, Maui, Hawaii 96793

Subject: EA for the Haiku Fire Station

Dear Mr. Roy,

Thank you for the opportunity to comment on this project. We have no comments to make at this time.

Please feel free to contact me if you have any questions.

Sincerely,

  
Jo Anne Johnson  
Director



February 5, 2024

Marc Takamori, Director  
Department of Transportation  
County of Maui  
110 Ala'ihi Street, Suite 210  
Kahului, Hawai'i 96732

**SUBJECT: Proposed Ha'ikū Fire Station Project and Related Improvements at  
TMK (2) 2-7-007:008(por.), Maui, Hawai'i**

Dear Mr. Takamori:

Thank you for your department's letter dated January 20, 2011 providing comments on the 2011 Draft Environmental Assessment (DEA) and land use entitlement requests (State Land Use Commission District Boundary Amendment, Community Plan Amendment, and Change of Zoning) for the proposed Ha'ikū Fire Station Project. See **Exhibit "A"**.

We are writing to you today on behalf of the County of Maui, Department of Fire & Public Safety (DF&PS) to provide you with an update on the status of the proposed Ha'ikū Fire Station project. Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawai'i Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide additional comments prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) to complete the environmental review process pursuant

Mark Takamori, Director  
February 5, 2024  
Page 2

to HAR, Chapter 11-200. In light of the project resuming, we offer the following information in response to the comments presented in your 2011 letter:

1. We note that the County of Maui, Department of Transportation has no comments to make at this time.

We appreciate the input provided by your office. A copy of your comment letter and this response letter will be included in the Updated DEA. Should you have any questions or require additional information, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



Hoku Krueger  
Associate

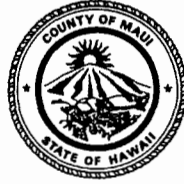
HK:yp

cc: Bradford Ventura, County of Maui, Department of Fire and Public Safety  
Rylan Yatsushiro, County of Maui, Department of Fire and Public Safety  
Terry McFarland, Architects Hawaii, Ltd.

K:\DATA\AHL\Haiku Fire Stn Update\Applications\Draft EA\Draft EA Res\MDOT.docx

**EXHIBIT A.**

ALAN M. ARAKAWA  
MAYOR



JAN 25 2011

JO ANNE JOHNSON  
Director  
MARC I. TAKAMORI  
Deputy Director  
Telephone (808) 270-7511

**DEPARTMENT OF TRANSPORTATION**

COUNTY OF MAUI  
200 South High Street  
Wailuku, Hawaii, USA 96793-2155

January 20, 2011

Mr. Mark Alexander Roy  
Munekiyo & Hiraga Inc.  
305 High Street, Suite 104  
Wailuku, Maui, Hawaii 96793

Subject: EA for the Haiku Fire Station

Dear Mr. Roy,

Thank you for the opportunity to comment on this project. We have no comments to make at this time.

Please feel free to contact me if you have any questions.

Sincerely,

  
Jo Anne Johnson  
Director

JAN 26 2011

ALAN M. ARAKAWA  
Mayor



DAVID TAYLOR, P.E.  
Director

PAUL J. MEYER  
Deputy Director

**DEPARTMENT OF WATER SUPPLY**  
**COUNTY OF MAUI**  
200 SOUTH HIGH STREET  
WAILUKU, MAUI, HAWAII 96793-2155  
www.mauiwater.org

January 20, 2011

Mr. Mark Alexander Roy, AICP, Program Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

RE: Project Name: Proposed Haiku Fire Station and Related Improvements  
Applicant: Department of Fire and Public Safety, County of Maui  
Permit I.D.: Draft Environmental Assessment, DBA 2010/0002, CIZ  
2010/0008, and CPA 2010/0006  
TMK: (2) 2-7-007:008 (por.)

Thank you for the opportunity to comment on these applications.

In a letter dated December 4, 2009, the Department of Water Supply made comments on the proposed project; attached is the letter. We have no additional comments at this time.

Should you have any questions, please contact our Water Resources & Planning Division at 244-8550.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Taylor".

David Taylor, P.E., Director  
ayi

attachment: comment letter dated December 4, 2009

c: Lee Mainaga, Fire Services Officer, Department of Fire and Public Safety  
Kurt Wollenhaupt, Staff Planner, Department of Planning  
DWS Engineering Division  
DWS Files

*"By Water All Things Find Life"*



CHARMAINE TAVARES  
Mayor



JEFFREY K. ENG  
Director  
ERIC H. YAMASHIGE, P.E., L.S.  
Deputy Director

**DEPARTMENT OF WATER SUPPLY**  
**COUNTY OF MAUI**  
200 SOUTH HIGH STREET  
WAILUKU, MAUI, HAWAII 96793-2155  
www.mauiwater.org

December 4, 2009

Munekiyo & Hiraga, Inc.  
Mr. Mark Alexander Roy, AICP, Project Manager  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

RE: Project Name: Proposed Haiku Fire Station and Related Improvements  
Applicant: Department of Fire and Public Safety, County of Maui  
Permit I.D.: Early Consultation Request  
TMK: (2) 2-7-007:008 (por.)

Thank you for the opportunity to comment on this early consultation request.

**Source Availability and Consumption**

The project site is within the Department of Water Supply's Haiku service area.

The project site covers approximately 6.1 acres located within a County property of 27.9 acres. One 5/8-inch water meter is located on the property. The property also has water meter reservations for 3 (three) 5/8-inch water meters for a subdivision.

**System Infrastructure**

There is a 6-inch waterline and a fire hydrant located more than 1,000 feet from the project site on East Kuiaha Road near the east end of the County property. Storage is provided by the 0.5 million gallon (MG) Kaupakalua tank. These are inadequate for the proposed project.

The project scope proposes the installation of approximately 4,200 feet of waterline, beginning at a location approximately 2,300 feet south of the project site, to address domestic use and fire protection concerns.

During the building permit process, the applicant will be required to submit domestic, irrigation and fire flow calculations to determine water meter capacity and adequate fire protection. Approved fire flow calculation methods currently used by the Department of

*"By Water All Things Find Life"*

Mr. Mark Alexander Roy  
Page 2  
December 4, 2009

Water Supply are the "Guidance for Determination of Required Fire Flow" as published by the Insurance Services Office in 1974, 2001 and 2006, or "Fire Flow" as published by the Hawaii Insurance Bureau in 1991. Also required is the installation of a reduced pressure back-flow prevention device, approved by the DWS. For more information or clarification on the device, please contact our Engineering Division at 270-7835 or our Backflow and Cross-Connection Control Section at 270-6132.

### **Pollution Prevention**

The site overlies the Haiku aquifer which has a sustainable yield of 27 million gallons per day. The Department of Water Supply's goal is to protect the integrity of surface and groundwater resources. To achieve this, mitigation measures must be implemented to prevent any water pollution related impacts. Best management practices for construction should, therefore, be applied.

### **Conservation Measures**

The Department of Water Supply encourages the applicant to consider the following conservation measures in the project design, as well as during construction:

1. Utilize reclaimed or non-potable water for dust control, irrigation and other non-potable uses.
2. Water after 7:00 p.m. at night and before 10:00 a.m. in the morning.
3. Utilize low-flow fixtures and devices - Maui County Code Subsection 16.20A.680 requires the use of low-flow fixtures and devices in faucets, showerheads, urinals, water closets and hose bibs. Even more efficient and consumer tested models are available. Check WaterSense listings at <http://www.epa.gov/watersense/pp/index.htm> for efficient fixture listings when buying or replacing fixtures.
4. Prevent over-Watering by automated systems - Provide rain-sensors on all automated irrigation controllers. Check and reset controllers at least once a month to reflect the monthly changes in evaporation rates at the site. As an alternative, provide more automated, soil-moisture sensors on controllers.
5. Maintain fixtures to prevent leaks - A simple, regular program of repair and maintenance can prevent the loss of hundreds or even thousands of gallons per day.
6. Limit irrigated turf - Low-water use shrubs and ground cover can be equally attractive and require substantially less water than turf.
7. Select climate adapted native plant species for landscaping - Native plants adapted to the area conserve water and protect the watershed from degradation due to invasive alien species.
8. Look for opportunities to conserve water - Here are a few samples: 1) When clearing debris, use a broom instead of a hose and water; 2) Check for leaks in pipes, faucets and toilets.

Mr. Mark Alexander Roy  
Page 3  
December 4, 2009

Should you have any questions, please contact our Water Resources & Planning Division at 244-8550.

Sincerely,

Handwritten signature of Jeffrey K. Eng in black ink.

JEFFREY K. ENG, DIRECTOR

ayi

Enclosures: Maui County Planting Plan - Saving Water in the Yard - What and How to Plant in your Area

c: DWS Engineering Division  
WRPD Project File  
WRPD Reading File



February 5, 2024

John Stufflebean, P.E., Director  
Department of Water Supply  
County of Maui  
200 S. High Street, 5th Floor  
Wailuku, Hawai'i 96793

SUBJECT: Proposed Ha'ikū Fire Station Project and Related Improvements at  
TMK (2) 2-7-007:008(por.), Maui, Hawai'i

Dear Mr. Stufflebean:

Thank you for your department's letter dated January 20, 2011 providing comments on the 2011 Draft Environmental Assessment (DEA) and land use entitlement requests (State Land Use Commission District Boundary Amendment, Community Plan Amendment, and Change of Zoning) for the proposed Ha'ikū Fire Station Project. See **Exhibit "A"**.

We are writing to you today on behalf of the County of Maui, Department of Fire & Public Safety (DF&PS) to provide you with an update on the status of the proposed Ha'ikū Fire Station project. Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawaii Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide additional comments prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) to complete the environmental review process pursuant

John Stufflebean, P.E., Director  
February 5, 2024  
Page 2

to HAR, Chapter 11-200. In light of the project resuming, we offer the following information in response to the comments presented in your 2011 letter:

1. We thank you for the inclusion of the Department of Water Supply's letter dated December 4, 2009 providing comments on the proposed project. We note that the Department of Water Supply has no additional comments at this time.

We appreciate the input provided by your office. A copy of your comment letter and this response letter will be included in the Updated DEA. Should you have any questions or require additional information, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



Hoku Krueger  
Associate

HK:yp

cc: Bradford Ventura, County of Maui, Department of Fire and Public Safety  
Rylan Yatsushiro, County of Maui, Department of Fire and Public Safety  
Terry McFarland, Architects Hawaii, Ltd.

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**EXHIBIT A.**

JAN 26 2011

ALAN M. ARAKAWA  
Mayor



DAVID TAYLOR, P.E.  
Director

PAUL J. MEYER  
Deputy Director

**DEPARTMENT OF WATER SUPPLY**  
**COUNTY OF MAUI**  
200 SOUTH HIGH STREET  
WAILUKU, MAUI, HAWAII 96793-2155  
www.mauiwater.org

January 20, 2011

Mr. Mark Alexander Roy, AICP, Program Manager  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

RE: Project Name: Proposed Haiku Fire Station and Related Improvements  
Applicant: Department of Fire and Public Safety, County of Maui  
Permit I.D.: Draft Environmental Assessment, DBA 2010/0002, CIZ  
2010/0008, and CPA 2010/0006  
TMK: (2) 2-7-007:008 (por.)

Thank you for the opportunity to comment on these applications.

In a letter dated December 4, 2009, the Department of Water Supply made comments on the proposed project; attached is the letter. We have no additional comments at this time.

Should you have any questions, please contact our Water Resources & Planning Division at 244-8550.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Taylor".

David Taylor, P.E., Director  
ayi

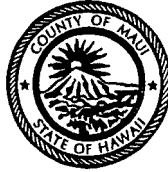
attachment: comment letter dated December 4, 2009

c: Lee Mainaga, Fire Services Officer, Department of Fire and Public Safety  
Kurt Wollenhaupt, Staff Planner, Department of Planning  
DWS Engineering Division  
DWS Files

*"By Water All Things Find Life"*



CHARMAINE TAVARES  
Mayor



JEFFREY K. ENG  
Director  
ERIC H. YAMASHIGE, P.E., L.S.  
Deputy Director

**DEPARTMENT OF WATER SUPPLY**  
COUNTY OF MAUI  
200 SOUTH HIGH STREET  
WAILUKU, MAUI, HAWAII 96793-2155  
www.mauiwater.org

December 4, 2009

Munekiyo & Hiraga, Inc.  
Mr. Mark Alexander Roy, AICP, Project Manager  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Roy:

RE: Project Name: Proposed Haiku Fire Station and Related Improvements  
Applicant: Department of Fire and Public Safety, County of Maui  
Permit I.D.: Early Consultation Request  
TMK: (2) 2-7-007:008 (por.)

Thank you for the opportunity to comment on this early consultation request.

**Source Availability and Consumption**

The project site is within the Department of Water Supply's Haiku service area.

The project site covers approximately 6.1 acres located within a County property of 27.9 acres. One 5/8-inch water meter is located on the property. The property also has water meter reservations for 3 (three) 5/8-inch water meters for a subdivision.

**System Infrastructure**

There is a 6-inch waterline and a fire hydrant located more than 1,000 feet from the project site on East Kuiaha Road near the east end of the County property. Storage is provided by the 0.5 million gallon (MG) Kaupakalua tank. These are inadequate for the proposed project.

The project scope proposes the installation of approximately 4,200 feet of waterline, beginning at a location approximately 2,300 feet south of the project site, to address domestic use and fire protection concerns.

During the building permit process, the applicant will be required to submit domestic, irrigation and fire flow calculations to determine water meter capacity and adequate fire protection. Approved fire flow calculation methods currently used by the Department of

*"By Water All Things Find Life"*

Mr. Mark Alexander Roy  
Page 2  
December 4, 2009

Water Supply are the "Guidance for Determination of Required Fire Flow" as published by the Insurance Services Office in 1974, 2001 and 2006, or "Fire Flow" as published by the Hawaii Insurance Bureau in 1991. Also required is the installation of a reduced pressure back-flow prevention device, approved by the DWS. For more information or clarification on the device, please contact our Engineering Division at 270-7835 or our Backflow and Cross-Connection Control Section at 270-6132.

### **Pollution Prevention**

The site overlies the Haiku aquifer which has a sustainable yield of 27 million gallons per day. The Department of Water Supply's goal is to protect the integrity of surface and groundwater resources. To achieve this, mitigation measures must be implemented to prevent any water pollution related impacts. Best management practices for construction should, therefore, be applied.

### **Conservation Measures**

The Department of Water Supply encourages the applicant to consider the following conservation measures in the project design, as well as during construction:

1. Utilize reclaimed or non-potable water for dust control, irrigation and other non-potable uses.
2. Water after 7:00 p.m. at night and before 10:00 a.m. in the morning.
3. Utilize low-flow fixtures and devices - Maui County Code Subsection 16.20A.680 requires the use of low-flow fixtures and devices in faucets, showerheads, urinals, water closets and hose bibs. Even more efficient and consumer tested models are available. Check WaterSense listings at <http://www.epa.gov/watersense/pp/index.htm> for efficient fixture listings when buying or replacing fixtures.
4. Prevent over-Watering by automated systems - Provide rain-sensors on all automated irrigation controllers. Check and reset controllers at least once a month to reflect the monthly changes in evaporation rates at the site. As an alternative, provide more automated, soil-moisture sensors on controllers.
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6. Limit irrigated turf - Low-water use shrubs and ground cover can be equally attractive and require substantially less water than turf.
7. Select climate adapted native plant species for landscaping - Native plants adapted to the area conserve water and protect the watershed from degradation due to invasive alien species.
8. Look for opportunities to conserve water - Here are a few samples: 1) When clearing debris, use a broom instead of a hose and water; 2) Check for leaks in pipes, faucets and toilets.

Mr. Mark Alexander Roy  
Page 3  
December 4, 2009

Should you have any questions, please contact our Water Resources & Planning Division at 244-8550.

Sincerely,

Handwritten signature of Jeffrey K. Eng in black ink.

JEFFREY K. ENG, DIRECTOR

ayi

Enclosures: Maui County Planting Plan - Saving Water in the Yard - What and How to Plant in your Area

c: DWS Engineering Division  
WRPD Project File  
WRPD Reading File

Hawaiian Telcom ●  
February 4, 2011

Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Maui, Hawaii 96793

ATTN: Mark Alexander Roy, AICP, Project Manager

SUBJECT: PROPOSED HAIKU FIRE STATION; HAIKU, ISLAND OF MAUI  
DRAFT ENVIRONMENTAL ASSESSMENT (EA), AND LAND USE ENTITLEMENT  
APPLICATIONS (DISTRICT BOUNDARY AMENDMENT, COMMUNITY PLAN  
AMENDMENT AND CHANGE IN ZONING) FOR THE PROPOSED HAIKU FIRE  
STATION AND RELATED IMPROVEMENTS AT TMK: (2) 2-7-007:008 (POR),  
HAIKU, MAUI, HAWAII  
DBA 2010/0002  
CIZ 2010/0008  
CPA 2010/0006  
COUNTY OF MAUI, DEPT. OF FIRE AND PUBLIC SAFETY AND  
THE COUNTY OF MAUI, DEPT. OF PLANNING (applicant)

Dear Mr. Roy:

Thank you for providing Hawaiian Telcom Incorporated, the opportunity to comment on the Draft Environmental assessment and land use entitlement applications for the proposed Haiku Fire Station and Related Improvements off of Hana Hwy., Haiku, on the Island of Maui.

Hawaiian Telcom has no comments on this project at this time.

If there are any questions, please call Sheri Tihada at (808) 242-5258.

Sincerely,



Lynette Yoshida  
Senior Manager –  
Network Engineering & Planning

C: Lee Maniaga, Fire Services Officer, County of Maui, Dept. of Fire and Public Safety,  
200 Dairy Road, Wailuku, HI 96793  
Kurt Wollenhaupt, Staff Planner, Dept. of Planning,  
2200 Main Street, Suite 619, Wailuku, HI 96793  
File (3005 0911-085)  
S. Tihada



February 5, 2024

Ron Beerman, Vice President – Network Operations  
Hawaiian Telcom  
1177 Bishop Street  
Honolulu, Hawai'i 96813

**SUBJECT: Proposed Ha'ikū Fire Station Project and Related Improvements at  
TMK (2) 2-7-007:008(por.), Maui, Hawai'i**

Dear Mr. Beerman:

Thank you for your company's letter dated February 4, 2011 providing comments on the 2011 Draft Environmental Assessment (DEA) and land use entitlement requests (State Land Use Commission District Boundary Amendment, Community Plan Amendment, and Change of Zoning) for the proposed Ha'ikū Fire Station Project. See **Exhibit "A"**.

We are writing to you today on behalf of the County of Maui, Department of Fire & Public Safety (DF&PS) to provide you with an update on the status of the proposed Fire Station project. Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawai'i Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide additional comments prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) to complete the environmental review process pursuant to HAR, Chapter 11-200. In light of the project resuming, we offer the following information in response to the comments presented in your 2011 letter:

Ron Beerman, Vice President – Network Operations  
February 5, 2024  
Page 2

1. We note that Hawaiian Telcom has no comments at this time.

We appreciate the input provided by your office. A copy of your comment letter and this response letter will be included in the Updated DEA. Should you have any questions or require additional information, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



Hoku Krueger  
Associate

HK:yp

cc: Bradford Ventura, County of Maui, Department of Fire and Public Safety  
Rylan Yatsushiro, County of Maui, Department of Fire and Public Safety  
Terry McFarland, Architects Hawaii, Ltd.

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**EXHIBIT A.**

Hawaiian Telcom ●  
February 4, 2011

Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Maui, Hawaii 96793

ATTN: Mark Alexander Roy, AICP, Project Manager

SUBJECT: PROPOSED HAIKU FIRE STATION; HAIKU, ISLAND OF MAUI  
DRAFT ENVIRONMENTAL ASSESSMENT (EA), AND LAND USE ENTITLEMENT  
APPLICATIONS (DISTRICT BOUNDARY AMENDMENT, COMMUNITY PLAN  
AMENDMENT AND CHANGE IN ZONING) FOR THE PROPOSED HAIKU FIRE  
STATION AND RELATED IMPROVEMENTS AT TMK: (2) 2-7-007:008 (POR),  
HAIKU, MAUI, HAWAII  
DBA 2010/0002  
CIZ 2010/0008  
CPA 2010/0006  
COUNTY OF MAUI, DEPT. OF FIRE AND PUBLIC SAFETY AND  
THE COUNTY OF MAUI, DEPT. OF PLANNING (applicant)

Dear Mr. Roy:

Thank you for providing Hawaiian Telcom Incorporated, the opportunity to comment on the Draft Environmental assessment and land use entitlement applications for the proposed Haiku Fire Station and Related Improvements off of Hana Hwy., Haiku, on the Island of Maui.

Hawaiian Telcom has no comments on this project at this time.

If there are any questions, please call Sheri Tihada at (808) 242-5258.

Sincerely,



Lynette Yoshida  
Senior Manager –  
Network Engineering & Planning

C: Lee Maniaga, Fire Services Officer, County of Maui, Dept. of Fire and Public Safety,  
200 Dairy Road, Wailuku, HI 96793  
Kurt Wollenhaupt, Staff Planner, Dept. of Planning,  
2200 Main Street, Suite 619, Wailuku, HI 96793  
File (3005 0911-085)  
S. Tihada



January 10, 2011

Mr. Mark Alexander Roy, AICP  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Maui, Hawaii 96793

Subject: Proposed Haiku Fire Station and Related Improvements – Draft Environmental Assessment, District Boundary Amendment, Change in Zoning, and Community Plan Amendment  
(DBA 2010/0002, CIZ 2010/0008, & CPA 2010/0006)  
Hana Highway  
Haiku, Maui, Hawaii  
Tax Map Key: (2) 2-7-007: 008 (por.)

Dear Mr. Roy,

Thank you for allowing us to comment on the Draft Environmental Assessment, District Boundary Amendment, Change in Zoning, and Community Plan Amendment for the subject project.

In reviewing our records and the information received, Maui Electric Company has no additional comments to the subject project at this time.

Should you have any questions or concerns, please call me at 871-2341.

Sincerely,

A handwritten signature in black ink, appearing to read "Kyle Tamori". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Kyle Tamori  
Staff Engineer

c: Mr. Lee Mainaga – County of Maui, Department of Fire and Public Safety  
Mr. Kurt Wollenhaupt – County of Maui, Department of Planning

February 5, 2024

Hawaiian Electric Company, Inc.  
1001 Bishop Street  
Honolulu, Hawai'i 96813

**SUBJECT: Proposed Ha'ikū Fire Station Project and Related Improvements at  
TMK (2) 2-7-007:008(por.), Maui, Hawai'i**

Dear Sir or Madam:

Thank you for your company's letter dated January 10, 2011 providing comments on the 2011 Draft Environmental Assessment (DEA) and land use entitlement requests (State Land Use Commission District Boundary Amendment, Community Plan Amendment, and Change of Zoning) for the proposed Ha'ikū Fire Station Project. See **Exhibit "A"**.

We are writing to you today on behalf of the County of Maui, Department of Fire & Public Safety (DF&PS) to provide you with an update on the status of the proposed Ha'ikū Fire Station project. Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawai'i Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide additional comments prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) to complete the environmental review process pursuant to HAR, Chapter 11-200. In light of the project resuming, we offer the following information in response to the comments presented in your 2011 letter:

Hawaiian Electric Company, Inc.  
February 5, 2024  
Page 2

1. We note that Hawaiian Electric Company has no additional comments at this time.

We appreciate the input provided by your office. A copy of your comment letter and this response letter will be included in the Updated DEA. Should you have any questions or require additional information, please do not hesitate to contact me at (808) 244-2015.

Very truly yours,



Hoku Krueger  
Associate

HK:yp

cc: Bradford Ventura, County of Maui, Department of Fire and Public Safety  
Rylan Yatsushiro, County of Maui, Department of Fire and Public Safety  
Terry McFarland, Architects Hawaii, Ltd.

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**EXHIBIT A.**





January 10, 2011

Mr. Mark Alexander Roy, AICP  
Munekiyo & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Maui, Hawaii 96793

Subject: Proposed Haiku Fire Station and Related Improvements – Draft Environmental Assessment, District Boundary Amendment, Change in Zoning, and Community Plan Amendment  
(DBA 2010/0002, CIZ 2010/0008, & CPA 2010/0006)  
Hana Highway  
Haiku, Maui, Hawaii  
Tax Map Key: (2) 2-7-007: 008 (por.)

Dear Mr. Roy,

Thank you for allowing us to comment on the Draft Environmental Assessment, District Boundary Amendment, Change in Zoning, and Community Plan Amendment for the subject project.

In reviewing our records and the information received, Maui Electric Company has no additional comments to the subject project at this time.

Should you have any questions or concerns, please call me at 871-2341.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kyle Tamori', written in a cursive style.

Kyle Tamori  
Staff Engineer

c: Mr. Lee Mainaga – County of Maui, Department of Fire and Public Safety  
Mr. Kurt Wollenhaupt – County of Maui, Department of Planning

**ISAAC DAVIS HALL**

ATTORNEY AT LAW  
2087 WELLS STREET  
WAILUKU, MAUI, HAWAII 96793  
(808) 244-9017  
FAX (808) 244-6775

February 4, 2011

Mr. Lee Mainaga  
Fire Services Officer  
Dept of Fire and Public Safety  
200 Dairy Road  
Kahului, HI 96732

Re: The DEA for the Proposed Haiku Fire Station and Related Improvements is Inadequate and, Because the Project May Cause Significant Adverse Impacts, an EIS Is Required

Dear Lee Mainaga:

This letter is written on behalf of the undersigned who reside in the agricultural and rural neighborhood that surrounds the proposed site for the Haiku Fire Station and who would be adversely affected if the Station were constructed as proposed in the Draft Environmental Assessment ("DEA").

**I. THE DEA IS INADEQUATE AND AN EIS IS REQUIRED**

The DEA for the proposed Haiku Fire Station is inadequate. The DEA does **not** demonstrate that the proposed project will not have any significant adverse impacts on the environment. Instead, it is plainly evident that this project, as described in the DEA, may cause significant adverse impacts and, more likely, will cause significant adverse impacts to the environment.

As such, a FONSI cannot be supported for this project as a matter of fact and law. An Environmental Impact Statement ("EIS") preparation notice must be issued and the impacts of this project must be thoroughly addressed in a full and complete EIS.

The applications for a District Boundary Amendment ("DBA") from Agriculture to Rural, for a Community Plan Amendment ("CPA") from Agriculture to Public/Quasi/Public and a Change in Zoning ("CIZ") from

Agriculture to Public/Quasi/Public cannot be processed until a lawful EIS is completed.

## **II. STANDARD OF REVIEW**

An Environmental Assessment (“EA”) is admittedly required here. The purpose of preparing an EA is to “determine to whether an environmental impact statement (“EIS”) shall be required.” HRS § 343-5(b)(1)(D) provides that:

A statement [EIS] shall be required if the agency finds that the proposed action **may** have a significant effect on the environment. (Emphasis added.)

Hawaii’s “Environmental Impact Statement Rules” in HAR § 11-200-12 entitled “Significance Criteria” set out criteria for determining “whether an action **may** have a significant effect on the environment.” (Emphasis added.) Subsection B. states:

In determining whether an action may have a significant effect on the environment, the agency shall consider every phase of a proposed action, the expected consequences, both primary and secondary, and the cumulative as well as the short-term and long-term effects of the action. In most instances, an action shall be determined to have a significant effect on the environment if it:

1. Involves an irrevocable commitment to loss or destruction of any natural or cultural resource;
2. Curtails the range of beneficial uses of the environment;
3. Conflicts with the state's long-term environmental policies or goals and guidelines as expressed in chapter 344, HRS, and any revisions thereof and amendments thereto, court decisions, or executive orders;
4. Substantially affects the economic welfare, social welfare, and cultural practices of the community or State;
5. Substantially affects public health;
6. Involves substantial secondary impacts, such as population changes or effects on public facilities;
7. Involves a substantial degradation of environmental quality;
8. Is individually limited but cumulatively has considerable effect upon the environment or involves a commitment for larger actions;
9. Substantially affects a rare, threatened, or endangered species, or its habitat;

10. Detrimentally affects air or water quality or ambient noise levels;
11. Affects or is likely to suffer damage by being located in an environmentally sensitive area such as a flood plain, tsunami zone, beach, erosion-prone area, geologically hazardous land, estuary, fresh water, or coastal waters;
12. Substantially affects scenic vistas and view-planes identified in county or state plans or studies; or,
13. Requires substantial energy consumption.

If the agency reviewing the EA determines that the proposed action may have a significant effect on the environment, an EIS must be prepared. *Kepoo v. Watson*, 87 Hawai'i 91, 952 P. 2d 379 (1998), *Molokai Homesteaders Co-Op. Ass'n v. Cobb*, 63 Haw. 453, 629 P. 2d 1134 (1981).

### III. FAILURE TO CONSULT

We made it clear to the Department of Fire and Public Safety, County of Maui and the Administration at least five years ago that we had serious concerns about the adverse impacts in purchasing this property and locating a Fire Station with a helipad component on this particular property. HAR §11-200-9, entitled "Assessment of Agency Actions and Applicant Actions" provides, in subsection A, that:

For agency actions, except those actions exempt from the preparation of an environmental assessment pursuant to section 343-5, HRS, or section 11-200-8, **the proposing agency shall:**

1. Seek, at the earliest practicable time, the advice and input of the county agency responsible for implementing the county's general plan for each county in which the proposed action is to occur, and **consult with** other agencies having jurisdiction or expertise as well as those citizen groups and **individuals which the proposing agency reasonably believes to be affected;**

Neither the Fire Department nor the Administration nor Munekiyo & Hiraga have consulted with us regarding this project or about this DEA. The first time we heard about this DEA was when we read a newspaper article about it in the Saturday, January 22, 2011 edition of the Maui News. The proposing agency has violated the mandatory procedural requirements for the preparation of this DEA.

#### **IV. AN EIS IS REQUIRED TO STUDY THE NOISE IMPACTS OF THE PROPOSED HELICOPTER FACILITY**

The County is proposing to construct a "helicopter facility" as one component of this local Fire Station. The DEA states in § I.B on p.6:

**A helipad will also be implemented as part of the project to facilitate civil defense, training, rescue and firefighting operations in Central Maui and the surrounding areas.**  
(Emphasis added.)

Figure 4 in the DEA shows the location of the "Helicopter Landing Pad." See p.5 of the DEA.

Helicopter facilities are recognized as individualized triggering events for EAs in Chapter 343 because of the adverse noise impacts generated by helicopters. HRS § 343-2 defines a "Helicopter facility" as:

..... any area of land or water which is used, or intended for use for the landing or takeoff of helicopters; and any appurtenant areas which are used, or intended for use for helicopter related activities or rights-of-way.

These helicopters will fly over conservation lands at times.

Helicopter facilities are not permitted uses in the state rural or county public/quasi-public districts. They are urban uses. Federal Aviation Administration ("FAA") approval is required before operating helicopters from this facility. See MCC § 16.26.311.10.5.

The DEA fails to list this federal approval as a regulatory requirement for this project. See DEA, § D., pp. 12-13. This federal permit is a triggering event for a federal EA. The proposing agency has failed to concurrently prepare a federal EA for this project pursuant to NEPA. See HRS § 343-5(f).

The noise impacts of this helicopter facility will be immediately imposed on the existing surrounding residents in this now quiet rural neighborhood. The DEA is wholly inadequate in describing the "helicopter facility."

One of the "significance criteria" is whether a proposed action may detrimentally affect "ambient noise levels." What are the "ambient noise levels" at the "helicopter facility" site? No helicopter noise impact study

has been prepared to first determine what the actual ambient noise levels are in this agricultural and rural area and on this undeveloped site.

How often is it expected that helicopters will take off and land at the "Helicopter Landing Pad." At what times are the helicopter operations expected to take place? What are the anticipated flight paths or tracks for these helicopters? In what directions will they take off? From what directions will they approach the "Helicopter Landing Pad" when they land. Over what neighboring properties will these helicopters be flying? The Department of Fire and Public Safety, County of Maui possesses records regarding the use of the helicopter facilities it operates in Kahului and in Wailea that can provide a basis for further estimates of the amounts of use of a helicopter facility anticipated in Haiku. No helicopter noise impact study has been prepared as part of this DEA addressing all of these issues. It is likely that the adverse noise impacts of these helicopters may detrimentally affect "ambient noise levels."

The DEA concludes only that "construction of the new fire station and new water line may cause short-term impacts to noise quality. No effort has been made to address the serious and adverse short and long-term noise impacts caused by operating helicopters at the proposed Haiku Fire Station.

There is a broader issue as well. The "helicopter facility" is not limited to local Haiku emergency service. It is intended **"to facilitate civil defense, training, rescue and firefighting operations in Central Maui** and the surrounding areas. How many of these operations are for local Haiku purposes and how many of these operations are for civil defense, training, rescue and firefighting operations in Central Maui and areas other than Haiku? It is one matter to impose upon Haiku residents the adverse noise impacts of helicopters on occasional rescue missions in the Haiku area. It is another matter to impose upon Haiku residents the adverse noise impacts of helicopters at a training facility for Central Maui. Alternative locations on the island of Maui for a "helicopter facility" serving more than the Haiku community should be addressed in a larger EIS.

#### **V. FAILURE TO ADDRESS IMPACTS OF OFF-SITE WIND TURBINES**

The DEA wholly fails to address the environmental impacts of the two (2) offsite wind turbines that are proposed to be constructed as components of this project. There are no plans or specifications attached to the DEA showing the appearance and height of the wind generating turbines. There is no analysis of available wind at the proposed site.

There is no analysis of the environmental impacts of wind turbines at that particular site.

If a utility facility is a minor facility it is a permitted use in the agricultural district. If a utility facility is a major facility it is a special use in the agricultural district. Among the primary dividing lines between “major” and “minor” utility facilities are whether these facilities “have [a] potential major impact, by virtue of their appearance, noise, size, traffic generation, or other operational characteristics....” See MCC §§ 19.04.040, 19.30A.050 and 19.30A.060.

The purpose of the DEA is to address the environmental characteristics of the particular wind generating facilities proposed here. The Zoning Determination dated December 24, 2009 attached to the DEA does not study any of the characteristics of the wind generating facilities proposed here. This determination cannot substitute for the study of these characteristics that is required to be included with the DEA. The DEA is inadequate because it fails to address the environmental impacts of the wind generating facilities.

## **VI. THESE AGRICULTURAL LANDS MUST BE PROTECTED**

These are “prime” agricultural lands. MCC §19.68.040 states that:

.... lands identified by the state as important agricultural lands needed to fulfill the purposes of conserving and protecting agricultural lands, promoting diversified agriculture, increasing agricultural self-sufficiency and assuring the availability of agriculturally suitable lands, shall not be reclassified without meeting the standards and criteria established by the legislature and enactment of an ordinance approving the reclassification of such lands by an affirmative vote of at least two-thirds of the council's membership rather than the usual majority.

At a minimum, a vote by two-thirds of the Maui County Council’s membership is required to reclassify these “prime” agricultural lands.

More importantly, Maui County’s “Agriculture District” Zoning Ordinance provides standards for those lands that should be retained in the agriculture district, in Section 19.30A.020, as follows:

Agricultural lands that meet at least two of the following criteria should be given the highest priority for retention in the agricultural district:

A. Agricultural Lands of Importance to the State of Hawai'i (ALISH);

B. Lands not classified by the ALISH system whose agricultural land suitability, based on soil, topographic, and climatic conditions, supports the production of agricultural commodities, including but not limited to coffee, taro, watercress, ginger, orchard and flower crops and non-irrigated pineapple. In addition, these lands shall include lands used for intensive animal husbandry, and lands in agricultural cultivation in five of the ten years immediately preceding the date of approval of this chapter; and

C. Lands which have seventy-five percent or more of their boundaries contiguous to lands within the agricultural district.

In this instance, Tests A, B and C are satisfied. These lands are classified "prime" in the ALISH system. (Test A). These lands were in cultivation through the early 2000's. (Test B; Ordinance 2749 was originally enacted in 1998). Seventy-five percent of the lands surrounding this parcel are in the agriculture district. (Test C).

These lands do not qualify under any circumstances for reclassification or rezoning out of the Agriculture District. The Maui County Council has a regulatory duty, as a matter of law, to protect this parcel for agricultural uses. The applications for a DBA and CIZ must be denied on these grounds alone.

## **VII. INCONSISTENCY WITH GENERAL AND COMMUNITY PLAN**

The Paia-Haiku Community Plan, as a "Planning Standard," states on p. 36:

All zoning applications and/or proposed land uses and developments shall be consistent with the Land Use Map and Objectives and Policies of the Paia-Haiku Community Plan.

The Paia-Haiku Community Plan requires, as a Land Use Goal, the protection of "prime" agricultural lands. See Part III. B. 1. (p.15); See also Part II.B.2.f. (p.12). It is an "Objective and Policy of the Paia-Haiku Plan to "Maintain agriculture as the primary economic activity." (p.22).

The proposed new growth boundaries place the 29 acre parcel within a "rural service center." The "characteristics" of a "rural service center" are



Small cluster of goods/services to support surrounding rural residential uses and agricultural communities. Facilities are generally limited and many essential goods and services are located in a larger town. Employment is generally a function of nearby urban areas or Country Towns. (e.g. Ha`iku, Waiakoa, Keokea)

These uses are for small stores, like Fukushima's, in outlying areas. These uses must be permitted in the Rural District. The uses proposed here are not permitted in the County Rural District.

This proposed Fire Station constitutes illegal "spot" zoning. *Lum Yip Kee, Ltd. v. City and County of Honolulu*, 767 P. 2d 815 (1989) (spot zoning is an arbitrary zoning action by which a small area within a large area is singled out and specially zoned for a use classification different from and inconsistent with the classification of the surrounding area and not in accord with comprehensive plan). The proposal injects urban-like uses into an area completely surrounded by prime agricultural lands and is inconsistent with the applicable plans. This is the wrong location for this project.

The DBA and CIZ applications are inconsistent with these objectives and policies in the Paia-Haiku Community Plan and must be denied as a matter of law. *Gatri v. Blane*, 88 Haw. 108, 962 P. 2d 367 (1998).

## **VIII. THE STUDY OF ALTERNATIVES IS INADEQUATE**

The study of alternatives in the DEA is inadequate. The DEA addresses (1) the Preferred Alternative, (2) a No Action Alternative and (3) a Deferred Action Alternative in one and one-half pages. DEA, pp. 75-76.

The study of alternatives in this DEA is virtually meaningless for environmental purposes. It has been judicially determined that the "heart" of environmental analysis is the study of alternatives to the proposed action. *Friends of the Bitterroot v. U.S. Forest Service*, 900 F. Supp. 1368 (D.C. Mont. 1994); *Conner v. Burford*, 836 F. 2d 1521 (9<sup>th</sup> Cir. 1988).

HAR § 11-200-17(f), with respect to the study of alternatives, requires a description of all "alternatives which could attain the objectives of the action, regardless of cost, in sufficient detail to explain why they were rejected." HAR § 11-200-17(f) continues:

The section shall include a rigorous exploration and objective evaluation of the environmental impacts of all such alternative actions. **Particular attention shall be given to alternatives that might enhance environmental quality or avoid, reduce, or minimize some or all of the adverse environmental effects, costs, and risks.** (Emphasis added). Examples of alternatives include:

1. The alternative of no action;
2. Alternatives requiring actions of a significantly different nature which would provide similar benefits with different environmental impacts;
3. Alternatives related to different designs or details of the proposed actions which would present different environmental impacts;
4. The alternative of postponing action pending further study; and,
5. Alternative locations for the proposed project.

**In each case, the analysis shall be sufficiently detailed to allow the comparative evaluation of the environmental benefits, costs, and risks of the proposed action and each reasonable alternative.** For any agency actions, the discussion of alternatives shall include, where relevant, those alternatives not within the existing authority of the agency.

No EA was prepared when the property was purchased. Maps were prepared and distributed at one time comparing different potential locations for a Fire Station in Haiku based upon fire insurance coverage that would be made available. This is purely an economic factor.

The Department of Fire and Public Safety, County of Maui allegedly has a site selection process that evaluates the benefits and detriments of various alternative locations. There is no evidence in this DEA that alternative locations in the Haiku Region have been evaluated based upon their comparative environmental impacts.

This site requires the County taxpayers to expend millions of dollars in off-site water improvements just to bring water to the property. The DEA should study alternative locations, closer to existing sources of water, that would not require the expenditure large sums of taxpayer monies for off-site infrastructural improvements.

Alternative sites closer to Haiku's existing urban core that will not cause the loss of prime agricultural lands and are closer to existing sources of water must be examined.

The study of alternatives is even more important in this case because a helicopter facility is proposed as a component of this project. The DEA contains no analysis of different locations for a helicopter facility. This failure is even more egregious because what is being proposed is a regional training center for Central Maui. The DEA must contain a comparative analysis of different locations that might be available for a helicopter facility that could serve as a regional training center for Central Maui. Among the sites that should be studied are the Kahului Airport and the helicopter facility that already exists at the Kahului Fire Station.

#### **IX. FAILURE TO ADDRESS COST OF WATER PIPELINE AND WATER ISSUES**

##### **A. This Property Has An Inadequate Source of Water Without Extensive Off-Site Water Improvements From a Distant Purported Source**

This property has one 5/8<sup>th</sup> inch meter and allegedly also has a "reservation" for three additional meters. But the water demand for the Fire Station cannot be satisfied by water supplied by the 5/8<sup>th</sup> inch meter. The Department of Water Supply has stated that existing water systems are inadequate for this project.

The average potable water demand created by the Fire Station is stated to be 1,186 gpd. The total fire flow demand is stated to be 1,500 gpm for a two hour duration. These water demands require the construction of a new 12 inch in diameter water line that is 4,200 linear feet long, from the project site to West Kuiaha Road. There the pipe connects to a 6 inch in diameter pipeline which then connects to the .5 million gallon ("MG") Kaupakalua Tank that is 5,000 feet to the south of the Fire Station Site.

The cost of the total project is 11.2 million dollars. There is no separate break out of the cost for these extensive off-site improvements just to bring water from a distant location to the project site. This cost data should have been included. That a project with water demands this great is proposed such a distance from a source that can purportedly supply enough water to the site demonstrates that the site itself is not appropriate. A site closer to a satisfactory water source should be studied as an alternative.

**B. This Is An Illegal Implementation of the EM Plan**

The Kaupakalua Tank is alleged to supply water to West Kuiaha Road via a six inch in diameter pipeline. This pipeline connects to a proposed pipeline between West Kuiaha Road and East Kuiaha Road that is planned to be 12 inches in diameter and 4,200 linear feet long. The capacity of the pipeline increases significantly even though the amount that can be supplied is well below this capacity because of the six inch size.

The DEA should have disclosed the amount of water that a 12 inch in diameter pipeline is capable of transmitting. It is likely that the 12 inch in diameter water transmission pipeline has the capacity to transmit far more water than is required by a Fire Station. If so it has been sized for additional growth. The growth induced by this transmission line is a secondary or cumulative impact that should have been addressed in the DEA.

It further appears that the 12-inch diameter water transmission pipeline has been sized to meet the needs of the East Maui Water Development Plan ("EM Plan"). One component of the EM Plan is the construction of a water transmission line in the Haiku Road right of way between West Kuiaha Roads and East Kuiaha Roads. See Phase 4 of the EM Plan. The 12 inch diameter water transmission line is proposed to be constructed in the same location as Phase 4 of the EM Plan.

The County is a party to a Consent Decree filed on December 22, 2003 in *The Coalition to Protect East Maui Water Resources et al., v. the Department of Water Supply et al.*, Civil No. 03-1-0008(3) in the Circuit Court of the Second Circuit by which the County is forbidden from implementing any component of the EM Plan until a Supplemental EIS is prepared. For this additional reason an EIS is required.

**C. The County Declaration That the Upcountry Water System Is Inadequate to Supply Water for Domestic or Fire Flow Purposes**

Water cannot be supplied to this parcel without violating Chapters 14.12 and 14.13 of the Maui County Code. These issues have not been addressed in the DEA.

The County of Maui has declared, from 1994 to the present, that the Upcountry water system is inadequate to supply additional water for domestic and fire flow purposes without detriment to those already being served on the system. This declaration includes the County water system in Haiku.

The Maui County Council has enacted the "Water Meter Issuance Provisions for the Upcountry Water System" law. MCC § 14.13.020, entitled "Purpose" states:

The purpose of this chapter is to provide uniform handling of applications for water service from the priority list.

The "Priority list" is defined as:

[T]he compilation of premises in the order received by the department pursuant to a legal notice published in The Maui News, November 2, 1994, for applicants denied new or additional water service.

The "Upcountry water system" is defined as:

[A]ll water improvements associated with the department's Upper Kula, Lower Kula, Makawao (including Pukalani, Haliimaile and Maunaolu College area) and Haiku water systems.

MCC § 14.13.040, entitled "Water service requests" states:

- A. On March 16, 1993, the upcountry water system was found to have insufficient water supply developed for fire protection, domestic, and irrigation purposes to take on new or additional water services without detriment to those already served in the regulated area. Since November 2, 1994, the department has maintained a priority list of premises, organized by the date applications for new or additional water service were received for such premises.
- B. The director shall continue to maintain the priority list of premises applying for new or additional water service from the upcountry water system.

This law forbids the Director from providing new water service, except "in the order of the priority list" and then only "if additional source for the upcountry water system becomes available." MCC § 14.13.060. The Director can only "waive or modify" the mandatory requirements of this law as provided in MCC §14.13.080 which states:

The director may waive or modify the provisions of this chapter when not contrary to the public's health, safety or welfare, and when the director finds:

1. Strict application of the provisions of this chapter would cause an absurd, unfair, or unreasonably harsh result;
2. The director finds the circumstance or condition is unique or exceptional, and the director would grant the same request if made by every similarly situated applicant; and
3. The resulting action of the director will be without detriment to existing users.

The Director has not done so in this case. The Maui County Council has declared the Makawao and Haiku Water systems to **“have insufficient water supply developed for fire protection, domestic, and irrigation purposes to take on new or additional water services without detriment to those already served in the regulated area.”** (Emphasis added) MCC § 14.13.040.A. Residents in the surrounding area who now receive water service from the County of Maui, by this provision, may be detrimentally affected by the provision water to this property.

### **C. Maui County Code Chapter 14.12**

The Maui County Council has also enacted a law entitled “Water Availability” in MCC Chapter 14.12. MCC § 14.12.040, entitled “Written verification of long term, reliable supply of water” requires in Section A that:

No subdivision shall be approved, unless prior to submittal of subdivision construction plans pursuant to section 18.20.160 of this code, the director shall provide written verification of a long term, reliable supply of water.

MCC § 14.12.050 further provides, in pertinent part, that:

The director shall review and comment on engineering reports during the department of health's inter-agency review period. In reviewing and commenting on an engineering report, the director shall consider all of the following factors:

- A. The cumulative impacts;
- D. The general plan and relevant community plans;
- G. **The adverse impacts on the water needs of residents currently being served and projected to be served by the department;**
- M. **The adverse impacts to the water needs of residents currently on a County "wait list" for water meters;**

The DEA fails to address these issues.

**X. THE STUDY OF ARCHAEOLOGICAL AND CULTURAL RESOURCES IS INADEQUATE**

The DEA includes in Appendix C “An Archaeological Inventory Survey for the Proposed Ha’iku Fire Station and Waterline Corridor in Pa’uwela Ahupua’a [TMK 2-7-007:008]” (“AIS”) prepared by Scientific Consultant Services Inc. (“SCS”) and dated June 2010. Also included is a letter from the State Historic Preservation Division (“SHPD”) dated November 12, 2010 which states: “We previously reviewed a draft of this report (Perzinski and Dega June 2010) and requested changes/clarifications. Although SHPD’s 11/12/10 letter appears to accept a final version of the AIS, this final version is not included in the DEA, only the unapproved draft.

SHPD’s rules require notice to the public of its receipt of archaeological reports and plans by weekly postings on its website and its office, however, no notice was ever given. This AIS – whether in draft or final form – was never made available to interested persons for the 30-day review and comment period afforded by §13-275-3 (f) HAR.

This is the first opportunity we have had to comment on the AIS since we became aware of the existence of the DEA approximately two weeks ago. Our comments are as follows.

First, the proposed Fire Station is in the ahupua’a of Kuiaha, not Pa’uwela ahupua’a which is located to the south of the project parcel. This is a basic and important error which must be corrected especially since the AIS (SCS Project Number 1012-1) is a companion to a purported “Cultural Impact Assessment for the Proposed Development of a Haiku Fire Station “ (“CIA”) also by SCS dated May 2009 (sic) (SCS Project Number 1013-CIA-1). The USGS Quadrangle Map included as a figure in both the AIS and the CIS indicates that the parcel is in Kuiaha and not Pa’uwela.

The limited archival and documentary research conducted for the proposed project consisted of a review of commonly consulted sources (i.e. Beckwith, Daws, Fornander, Handy, Kamakau, etc.). The bulk of the general information contained in both the AIS and CIS is identical.

**A. The AIS**

The Predictive Model section of the AIS on page 14 states:

Historically, the project area was used for large scale pineapple cultivation and pasture and later as a house site that would have likely destroyed any traditional Hawaiian sites or features. Along the waterline corridor the road has been cut to 15-feet into the slope effectively eliminating any possibility of encountering subsurface deposits. Thus, it is believed that any sites encountered will likely be of an historic nature related to agriculture, animal husbandry or recent habitation within the project area.

What is the basis for the statement that the project area was used for large-scale pineapple cultivation and pasture? Information contained in the Methods section on page 15 states that eleven backhoe trenches were excavated in the southern portion of the project area only, due to the “extremely uneven terrain in the eastern portion of the project area and the presence of several concrete pads and pre-existing structures in the northern portion.”

Consisting of two features, SIHP 50-50-06-6678 is identified in the northwest portion of the project area next to a vacant cottage and a driveway. The site is described as being in fair to good condition. Site type is listed as retaining wall/terrace constructed of traditional material (dry-stacked basalt). Despite the traditional material and traditional construction, the AIS reports “it is believed that the features are associated with the current or possibly former residents.” The features of the site are estimated to have been constructed in the 1950s.

The AIS speculates that the Feature B terrace was constructed by the former house occupants. Figure 9 on page 21 depicts Site 6678 in relation to the Ha’iku Fire Station and accessory structures. Site 6678 is well to the north of the proposed buildings. Figures 11 and 12 on page 23 show features A and B respectively. On page 24, under Significance Assessments, it is noted that “one shovel test unit was excavated adjacent to the platform.” Is the terrace now a platform? Although the AIS recommended that Site 6678 was significant under criterion D, we believe that there is insufficient information to assess this site as significant for criterion D only. For instance, due to the good condition of the features, as evidenced by the photos on page 23, they may be worthy of preservation under criterion C as an excellent example of a modern historic use of traditional materials and construction. This is particularly important because there are so few examples of traditional stone work in the modern historic period in the immediate area.



## **B. The CIA**

The CIA fails to document any interviews or consultation with individuals or organizations knowledgeable about the project area. SCS merely sent out two rounds of letters, primarily to government agencies. Of the two non-governmental agencies to whom a letter was sent, the Central Maui Hawaiian Civic Club is too general an entity to contact (in that they have no procedure for getting a request for cultural practices information out to their members) and Na Kupuna o Maui is an ad hoc group whose members are not known (a group with this name was involuntarily dissolved by the State of Hawaii's Department of Commerce & Consumer Affairs several years ago).

The authors of the CIS, Leann McGerty and Robert Spear, have failed to produce an adequate or credible CIS. The authors did not even bother to interview the neighbors in the rural/agricultural community near the project area, many of whom are long-time kama'aina residents. These neighbors very likely know the history of the project area in their lifetimes. They would be able to shed some light on the agricultural and other uses of the parcel.

Instead the CIS contains a two-sentence section entitled "Project Area and Vicinity" on page 8, the second sentence of which is not altogether accurate: "Most of the land in the vicinity of the project area has long been planted in sugar cane or pineapple." While this statement may be true for some areas of Ha'iku and, more particularly Pa'uwela, it does not take into account specific land uses and practices in close proximity to the project area including, but not limited to, lo'i kalo. Not all of the land in the vicinity of the project area had been planted in sugar cane or pineapple. SCS failed to dig very deep.

Finally, because the parcel area terrain is so uneven as evidenced by the topographical lines shown on Figure 5 of the AIS, there was no actual testing of the majority of the parcel. We believe that ground disturbing activities at Parcel 008 should be monitored.

## **XI. FAILURE TO ADDRESS CUMULATIVE AND SECONDARY IMPACTS**

The DEA does not include any review of the secondary or cumulative impacts of this project. The DEA is inadequate on these grounds alone. The construction of a twelve-inch in diameter water line to this property will induce further growth on this 29 acre parcel and in the surrounding area. This induced growth is unexamined.

The Haiku Fire Station parcel is part of a three-lot subdivision of a County-owned 29 acre parcel. The DEA declines to provide any information at all on what the County plans to do with the other two lots. Are all 29 acres planned to be reclassified from agriculture and will all 29 acres be lost? The DEA states that the County Planning Department is processing the DBA, CPA and CIZ applications on behalf of the County. It is unreasonable to believe that the County has no idea at all for planned uses of the remaining two parcels. The Administration must state in this DEA what these anticipated uses are and study the secondary and cumulative impacts of these uses now and not later.

## **XII. APPLICATION OF SIGNIFICANCE CRITERIA REQUIRES PREPARATION OF EIS**

The analysis of the "significance criteria" in the DEA is superficial and self-serving.

Plainly, this project represents an irrevocable commitment to loss of agricultural resources, namely prime agricultural lands.

The project also involves unexamined secondary and cumulative impacts. The project may be individually limited but cumulatively it involves a commitment for larger actions.

The proposed project involves a substantial degradation of environmental quality and detrimentally affects ambient noise levels due to the helicopter noise it will impose on surrounding residents.

An honest review of many of these criteria can only lead to the conclusion that this project may cause significant adverse effects to the environment such that a FONSI is inappropriate and an EIS must be prepared.

## **XIII. INCORPORATION OF OTHER COMMENTS**

We incorporate by reference all other comments submitted by all others who commented on this DEA, in particular, all other comments tending to indicate how the DEA is inadequate and that demonstrate that an EIS is required.

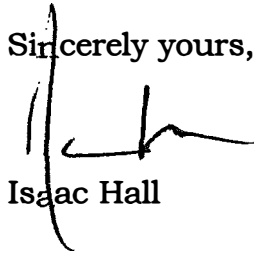
## **XIV. CONCLUSION/THIS DEA MUST BE WITHDRAWN OR AN EIS MUST BE PREPARED**

The inadequacies of this DEA are so severe that the document must be withdrawn, rewritten, republished as a Draft EIS, prepared pursuant to Chapter 343, and public review recommenced.

We trust that you will take seriously your responsibility to enforce the environmental laws of our state, and refuse to accept or approve this document by issuing a FONSI. Because the proposed project may cause significant adverse impacts, an EIS is required.

Thank you for the opportunity to comment on this DEA.

Sincerely yours,



Isaac Hall



Dana Naone Hall

IH/gr

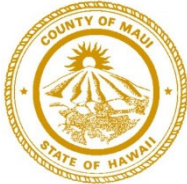
cc: Munekiyo & Hiraga

**RICHARD T. BISSEN, JR.**  
Mayor

**JOSIAH K. NISHITA**  
Managing Director

**BRADFORD K. VENTURA**  
Fire Chief

**GAVIN L.M. FUJIOKA**  
Deputy Fire Chief



**DEPARTMENT OF FIRE & PUBLIC SAFETY**  
COUNTY OF MAUI  
200 DAIRY ROAD  
KAHULUI, MAUI, HAWAII 96732  
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February 5, 2024

**VIA EMAIL:** [ldhall@maui.net](mailto:ldhall@maui.net)

Isaac and Dana Hall  
2087 Wells Street  
Wailuku, Hawaii 96793

**SUBJECT: PROPOSED HA'IKŪ FIRE STATION PROJECT AND RELATED IMPROVEMENTS AT TMK (2) 2-7-007:008(por.), MAUI, HAWAII**

Dear Mr. and Mrs. Hall,

Thank you for your letter dated February 4, 2011 providing comments on the Draft Environmental Assessment (2011 DEA) for the subject project. See **Exhibit "A"**.

We are writing to you today on behalf of the County of Maui, Department of Fire & Public Safety (DF&PS) to provide you with an update on the status of the proposed Ha'ikū Fire Station project. Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawai'i Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide additional comments prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) to complete the environmental review process pursuant to HAR, Chapter 11-200. In light of the project resuming, we offer the following information in response to the comments presented in your 2011 letter:

## **I. ADEQUACY OF DRAFT ENVIRONMENTAL ASSESSMENT**

A preliminary analysis of the significance criteria, as set forth in the EIS Rules, was presented in the 2011 DEA. The analysis indicated that there are no significant adverse environmental impacts anticipated with implementation of the project. Further review of the significance criteria will be undertaken following review of all comments received during the re-published DEA review period. The land use entitlement applications (to be initiated by the Planning Director) for the proposed project will move forward once the Chapter 343, Hawai'i Revised Statutes (HRS) process for the project is completed.

## **II. STANDARD OF REVIEW**

The DF&PS is the Approving Agency for the Chapter 343 EA Process. Once completed, the Final EA will be reviewed by the DF&PS and a determination rendered as to whether (1) a Finding of No Significant Impact (FONSI) can be issued for the project or if (2) preparation of an EIS is warranted following review of the project in the context of the significance criteria.

## **III. CONSULTATION**

Early consultation with the community surrounding the project site was conducted during the County of Maui's initial site selection process for the proposed project. As part of this process, the DF&PS held a community meeting at Hā'ikū Elementary School on April 10, 2007. The purpose of this meeting was to (1) inform the community as to the need for an additional fire service facility in the Hā'ikū region; (2) provide an overview on the criteria evaluated during the review of potential alternative sites for the project; and (3) to receive comments on the preferred site that was being recommended as a result of the site selection analysis. A copy of the PowerPoint presentation delivered at this meeting is attached for your reference as **Exhibit "B"**. The DF&PS reviewed all comments that were received from the public during the hosting of this public meeting. While we recognize that you may not be entirely in favor of the site selected for the proposed project, the County of Maui did conduct consultation with the community ahead of proceeding with the publication of the initial DEA for the proposed Hā'ikū Fire Station on the subject property. Indeed, as a result of concerns aired during the site selection process regarding the location of the facility on the subject property, the DF&PS has chosen to proceed with development of the proposed fire station on a portion of the property situated at a lower elevation than the original site that was initially being explored. While there are distinct operational advantages associated with locating a fire station at the highest possible elevation on a piece of property, the DF&PS felt that it was necessary in this particular instance to minimize the extent to which the facility can be observed from surrounding residential areas.

In addition, to solicit additional input on the proposed action prior to the publication of the DEA, the DF&PS issued an early consultation letter to agencies and community groups on November 17, 2009. The Ha'ikū Community Association was included in this early consultation distribution list to notify area residents of the initiation of the Chapter 343 process and to invite comments from this community group on the proposed project. Meetings have been conducted with the Ha'ikū Community Association in the last few years as part of DF&PS' process of re-evaluating the feasibility of the selected site, making refinements to the plans and moving forward again with the project.

#### **IV. PROPOSED EMERGENCY HELIPAD LANDING AREA**

As mentioned above, the scope of the proposed project has been reduced to no longer include an emergency helipad landing area.

#### **V. OFF-SITE WIND TURBINE FACILITIES**

As mentioned previously, the scope of the proposed project has been reduced to no longer include offsite wind turbines.

#### **VI. IMPACT ON AVAILABILITY OF PRODUCTIVE AGRICULTURAL LANDS**

A description of the Agricultural Lands of Importance to the State of Hawai'i (ALISH) and Land Study Bureau productivity ratings for the subject property was presented in the Climate, Topography and Soils Section of the 2011 DEA.

We note your comments on the various sections of the Maui County Code (MCC) that relate both to the definition of "Prime" agricultural lands and the standards that have been established to guide the reclassification of such lands throughout Maui County. A new section will be incorporated into the Updated DEA to assess the potential impact of the proposed Ha'ikū Fire Station Project on the availability of agricultural lands. An evaluation of the criteria identified in Section 19.30A.020, MCC was provided on page 62 and 63 of the 2011 DEA. For your reference, this section of the DEA is provided as **Exhibit "C"**.

#### **VII. CONSISTENCY WITH MAUI GENERAL PLAN AND PA'IA-HA'IKU COMMUNITY PLAN**

As was discussed in Chapter I of the 2011 DEA, the DF&PS has identified that a new fire station is necessary to ensure that adequate fire protection service is provided to the growing resident and commercial population throughout the Ha'ikū region. The subject property was selected following completion of a site selection process by the County of Maui. The subject property was recommended for purchase by the County as being the most suitable site in terms of meeting the

needs of the local community. The subject property was purchased on a basis of this recommendation on December 14, 2007, by the County of Maui.

To allow for implementation of the proposed Ha'ikū Fire Station on a portion of the subject property, the following land use amendments reflected in **Table 1** will be requested as part of the entitlement application process for the proposed project:

**Table 1.** Summary of Current and Proposed Land Use Designations

	<b>CURRENT</b>	<b>PROPOSED</b>
State Land Use Commission	Agricultural	Rural
Pa'ia-Ha'iku Community Plan	AG, Agriculture	Public/Quasi-Public
County Zoning	Agricultural	Public/Quasi-Public (P-1)

In terms of the Pa'ia-Ha'iku Community Plan, an analysis of the project's consistency with the goals, objectives, and policies of this important community planning document was provided on Pages 57 through 64 of the 2011 DEA.

In recognition of the intended use, the subject property has also been identified as a rural growth area in the proposed Maui Island Plan that was adopted on December 28, 2012 by the Maui County Council. The Maui Island Plan reflects the latest input from the community on the desired land uses for the area, as the Pa'ia-Ha'iku Community Plan was adopted in 1995, seventeen (17) years previously.

The proposed project is following the established procedures by law to allow a use that would otherwise not be permissible. The exercise of such power by the County Council in approving the land use entitlements would be related to, and reasonably necessary for, the health, safety, morals, and general welfare of the public. Therefore, our understanding is that this does not constitute "spot zoning," and the action will be consistent with the comprehensive plans after the land use entitlements have been approved.

In light of the foregoing and given the operational necessity of enhancing fire services in the Ha'ikū area, the proposed site is considered an appropriate location for a rural fire station.

## **VIII. ALTERNATIVES ANALYSIS**

We note your comment that there was no environmental review documentation prepared during the process of acquiring the subject property. As set forth in Section 343-5, HRS, the use of County funds to purchase unimproved land does not trigger the requirements Chapter 343, HRS. As noted previously, the subject property was acquired following completion of a site selection process that evaluated the viability of three (3) different properties throughout the Ha'ikū area for development of a fire station in addition to the subject property. The subject

property was recommended as the preferred location for the fire station following evaluation of various operational, infrastructure, and land use criteria.

Additionally, in response to the feedback generated by the 2011 DEA and prior to moving forward, a Feasibility Study was conducted in 2021 by DF&PS. Three (3) additional properties were identified and compared against the originally considered site to determine if there are considerations in location, permitting or design that would warrant relocating the proposed fire station. The analysis concluded that the originally considered site offers substantial advantages over the other potential site alternatives in that it is already owned by the County of Maui, requires the fewest entitlements (given its location within a Rural Growth Boundary), has architectural and engineering plans that are already tailored to the specific property, and is located near the Ha'ikū community's historic incident locations. All of the other properties have similar infrastructure constraints, such as the need for offsite waterline upgrades and potential for roadway improvements, and no significant advantages to overcome the investments already made at the originally considered site.

In response to your specific comment on the level of the information provided in the alternatives section of the Draft EA, a site location alternative will be discussed in the Updated DEA. This alternative will include a description of the site selection processes that were undertaken by the County of Maui and the various criteria that were evaluated prior to the acquisition of the subject property as the preferred location for the proposed Ha'ikū Fire Station Project and while deciding whether to move forward with the subject property during the project's redesign. A discussion on alternative designs for the proposed project will also be included in the Alternatives Section of the Updated DEA.

## **IX. WATER INFRASTRUCTURE**

### **A. Offsite Water System Improvements**

As noted previously, a site selection process was completed by the County of Maui prior to the acquisition of the subject property on December 14, 2007. A number of criteria, including water infrastructure requirements, were analyzed during this site selection process. The culmination of this site selection process resulted in the subject property being recommended as the preferred location for a new fire station in the Ha'ikū area. The site selection analysis conducted in 2021 as part of the Feasibility Study resulted in the same conclusion. Design work for the proposed fire station was initiated following the purchase of the site, and has included the engineering of the water infrastructure improvements necessary to deliver the appropriate level of service to the property.



An assessment of both existing water infrastructure conditions surrounding the project site and the anticipated water service requirements associated with the proposed fire station was provided on Pages 39 to 40 of the 2011 DEA. As part of the plans refinement process, the DWS has recently accepted an alternative from what was originally stated in the published DEA to install 300 feet of 8-inch water main along the edge of the subject parcel within East Kuiaha Road until its intersection with Ha'ikū Road. The new fire station will connect to this water main via two (2) existing and one (1) reserved water meter. With the installation of the proposed improvements, DWS will have the capacity to adequately meet the water usage requirements for the revised scope of work. A separate onsite water storage tank will be dedicated to accommodate the fire suppression needs for the facility. As such, the estimated costs for the originally proposed offsite water infrastructure improvements have been substantially reduced for this project. The water infrastructure discussion will be revised in the Updated DEA to reflect this new information.

**B. East Maui Water Development Plan**

The scope of the proposed offsite waterline improvements has been revised so that DF&PS no longer proposes to install a waterline within Ha'ikū Road between West Kuiaha Road and East Kuiaha Road. Instead, in order to accommodate the water supply needs of the new fire station, DWS has required DF&PS to install 300 feet of 8-inch water main along the edge of the subject property in East Kuiaha Road between the project's water meters and the East Kuiaha-Ha'ikū Road intersection. As such, the proposed water infrastructure improvements for the project are not anticipated to represent a violation of the East Maui Water Development Plan or the 2003 Consent Decree identified in your letter.

**C. Upcountry Water Meter List**

We note your comments regarding the upcountry water meter list. There are two (2) existing 5/8-inch water meters located on the project site. DWS has confirmed that the subject property possesses one (1) existing water meter reservation. The reserved water meter installation will be completed in compliance with the applicable provisions of Chapter 14.13, MCC (Water Meter Provisions for Upcountry Water System). The projected usage from the water meters has already been accounted for by the DWS and would not compromise the ability of the upcountry water system to provide service to existing area residents with the installation of the 8-inch water meter.

**D. Water Availability Ordinance**

The proposed project possesses two (2) water meters and one (1) water meter reservation. As such, the proposed project will comply with applicable provisions of Chapter 14.12 relating to Water Availability.

**X. ARCHAEOLOGICAL AND CULTURAL RESOURCES**

**A. Archaeological Inventory Survey**

A letter responding to your comments on the Archaeological Inventory Survey for the project has been prepared by the project's archaeologist, Mr. Mike Dega of Scientific Consultant Services, Inc. See **Exhibit "D"**. In relation to the Archaeological Inventory Survey, a copy of the final report as approved by the State Historic Preservation Division will be included in the DEA.

**B. Cultural Impact Assessment Report**

A letter responding to your comments on the Cultural Impact Assessment Report for the project has been prepared by the project's cultural consultant, Ms. Leann McGerty of Scientific Consultant Services, Inc. See **Exhibit "E"**.

**XI. CUMULATIVE AND SECONDARY IMPACTS**

The secondary and cumulative impact analysis section of the DEA was prepared in accordance with the administrative rules (EIS rules) that guide the preparation of environmental review documents in the State of Hawai'i and, as such, provides an assessment of those impacts that are "reasonably foreseeable". The scope of the proposed offsite water infrastructure has been substantially reduced. As such, it is unlikely to induce any population growth in the surrounding area. The project area will also utilize a portion of a single 27.9-acre property, which it no longer intends to subdivide. The County of Maui does not currently have any plans to develop the remaining portions of the subject property. The secondary and cumulative impact analysis section does not, therefore, assess impacts associated with the potential development of these neighboring lands.

**XII. SIGNIFICANCE CRITERIA ASSESSMENT**

We respectfully disagree with your opinion that the analysis of the significance criteria that was provided on Pages 77 through 81 of the 2011 DEA is "superficial and self-serving". This fact-based analysis was prepared following review of the environmental impact analysis (and all accompanying studies) that was provided in Chapter II and Chapter III of the document.

As noted in response to your Comment No. VI above, additional discussion will be incorporated into the revised DEA to provide an assessment of the potential impact of the proposed project on the availability of agricultural lands in Maui County. The helipad is no longer proposed for this project. The significance criteria assessment provided in the DEA will be updated where appropriate, to reflect any significant findings of this additional analysis.

As noted in our previous response, the cumulative and secondary impact assessment provided in the 2011 DEA is based, on “reasonably foreseeable” actions, and is, therefore, in accordance with the EIS rules.

Once complete, the Final EA will be reviewed by the DF&PS and a determination issued as to the acceptability of the environmental review document. If deemed acceptable, a Finding of No Significant Impact (FONSI) determination (negative declaration) will be issued for the project and subsequently published in the Environmental Review Program’s (ERP’s) Environmental Notice. Should review of the Final EA document, however, indicate that implementation of the project is likely to generate significant adverse impacts, the DF&PS will require that an EIS be prepared before the project can proceed to construction.

### **XIII. INCORPORATION OF OTHER COMMENTS**

We note your comment regarding incorporation of other comments received during the review of the 2011 DEA. We have reviewed all letters received during the public review period and can inform you that there have been no comments received by any other agency, community group, or individual suggesting or explicitly stating that an EIS is appropriate. Copies of all comment letters received during the 2011 DEA review period will be included in the Updated DEA, as well as responses to any substantive comments.

### **XIV. CHAPTER 343 PROCESSING REQUIREMENTS**

The EA for the project is being prepared in accordance with applicable requirements set forth by Chapter 343, HRS and the EIS Rules.

In specific regards to your comment, the decision as to whether or not an EIS is warranted is considered premature at this time given that a revised DEA will be re-published and a Final EA is still yet to be prepared for the proposed project. As noted previously, once a Final EA has been prepared, the DF&PS will review the document in relation to the significance criteria and will make a formal determination as to whether the proposed action qualifies as a FONSI (negative declaration). If a FONSI cannot be issued, DF&PS will require that an EIS be prepared prior to implementation of the project.

As an area resident, we very much appreciate your continued input on the proposed Ha'ikū Fire Station project. A copy of your comment letter and this response letter will be included in the Updated DEA for the project. Should you have any questions, please do not hesitate to contact our planning consultants Mark Alexander Roy or Hoku Krueger of Munekiyo Hiraga at (808) 244-2015.

Sincerely,



BRADFORD VENTURA  
FIRE CHIEF

BV

Enclosures

cc: Bradford Ventura, County of Maui, Department of Fire and Public Safety (w/enclosures)  
Rylan Yatsushiro, County of Maui, Department of Fire and Public Safety (w/enclosures)  
Terry McFarland, Architects Hawaii, Ltd. (w/enclosures)  
Diane Kodama, AECOM (w/enclosures)  
Mike Dega, Scientific Consultant Services, Inc. (w/enclosures)  
Mark Alexander Roy, Munekiyo Hiraga (w/enclosures)

**EXHIBIT A.**

**ISAAC DAVIS HALL**

ATTORNEY AT LAW  
2087 WELLS STREET  
WAILUKU, MAUI, HAWAII 96793  
(808) 244-9017  
FAX (808) 244-6775

February 4, 2011

Mr. Lee Mainaga  
Fire Services Officer  
Dept of Fire and Public Safety  
200 Dairy Road  
Kahului, HI 96732

Re: The DEA for the Proposed Haiku Fire Station and Related Improvements is Inadequate and, Because the Project May Cause Significant Adverse Impacts, an EIS Is Required

Dear Lee Mainaga:

This letter is written on behalf of the undersigned who reside in the agricultural and rural neighborhood that surrounds the proposed site for the Haiku Fire Station and who would be adversely affected if the Station were constructed as proposed in the Draft Environmental Assessment ("DEA").

**I. THE DEA IS INADEQUATE AND AN EIS IS REQUIRED**

The DEA for the proposed Haiku Fire Station is inadequate. The DEA does **not** demonstrate that the proposed project will not have any significant adverse impacts on the environment. Instead, it is plainly evident that this project, as described in the DEA, may cause significant adverse impacts and, more likely, will cause significant adverse impacts to the environment.

As such, a FONSI cannot be supported for this project as a matter of fact and law. An Environmental Impact Statement ("EIS") preparation notice must be issued and the impacts of this project must be thoroughly addressed in a full and complete EIS.

The applications for a District Boundary Amendment ("DBA") from Agriculture to Rural, for a Community Plan Amendment ("CPA") from Agriculture to Public/Quasi/Public and a Change in Zoning ("CIZ") from

Agriculture to Public/Quasi/Public cannot be processed until a lawful EIS is completed.

## **II. STANDARD OF REVIEW**

An Environmental Assessment (“EA”) is admittedly required here. The purpose of preparing an EA is to “determine to whether an environmental impact statement (“EIS”) shall be required.” HRS § 343-5(b)(1)(D) provides that:

A statement [EIS] shall be required if the agency finds that the proposed action **may** have a significant effect on the environment. (Emphasis added.)

Hawaii’s “Environmental Impact Statement Rules” in HAR § 11-200-12 entitled “Significance Criteria” set out criteria for determining “whether an action **may** have a significant effect on the environment.” (Emphasis added.) Subsection B. states:

In determining whether an action may have a significant effect on the environment, the agency shall consider every phase of a proposed action, the expected consequences, both primary and secondary, and the cumulative as well as the short-term and long-term effects of the action. In most instances, an action shall be determined to have a significant effect on the environment if it:

1. Involves an irrevocable commitment to loss or destruction of any natural or cultural resource;
2. Curtails the range of beneficial uses of the environment;
3. Conflicts with the state's long-term environmental policies or goals and guidelines as expressed in chapter 344, HRS, and any revisions thereof and amendments thereto, court decisions, or executive orders;
4. Substantially affects the economic welfare, social welfare, and cultural practices of the community or State;
5. Substantially affects public health;
6. Involves substantial secondary impacts, such as population changes or effects on public facilities;
7. Involves a substantial degradation of environmental quality;
8. Is individually limited but cumulatively has considerable effect upon the environment or involves a commitment for larger actions;
9. Substantially affects a rare, threatened, or endangered species, or its habitat;

10. Detrimentally affects air or water quality or ambient noise levels;
11. Affects or is likely to suffer damage by being located in an environmentally sensitive area such as a flood plain, tsunami zone, beach, erosion-prone area, geologically hazardous land, estuary, fresh water, or coastal waters;
12. Substantially affects scenic vistas and view-planes identified in county or state plans or studies; or,
13. Requires substantial energy consumption.

If the agency reviewing the EA determines that the proposed action may have a significant effect on the environment, an EIS must be prepared. *Kepoo v. Watson*, 87 Hawai'i 91, 952 P. 2d 379 (1998), *Molokai Homesteaders Co-Op. Ass'n v. Cobb*, 63 Haw. 453, 629 P. 2d 1134 (1981).

### III. FAILURE TO CONSULT

We made it clear to the Department of Fire and Public Safety, County of Maui and the Administration at least five years ago that we had serious concerns about the adverse impacts in purchasing this property and locating a Fire Station with a helipad component on this particular property. HAR §11-200-9, entitled "Assessment of Agency Actions and Applicant Actions" provides, in subsection A, that:

For agency actions, except those actions exempt from the preparation of an environmental assessment pursuant to section 343-5, HRS, or section 11-200-8, **the proposing agency shall:**

1. Seek, at the earliest practicable time, the advice and input of the county agency responsible for implementing the county's general plan for each county in which the proposed action is to occur, and **consult with** other agencies having jurisdiction or expertise as well as those citizen groups and **individuals which the proposing agency reasonably believes to be affected;**

Neither the Fire Department nor the Administration nor Munekiyo & Hiraga have consulted with us regarding this project or about this DEA. The first time we heard about this DEA was when we read a newspaper article about it in the Saturday, January 22, 2011 edition of the Maui News. The proposing agency has violated the mandatory procedural requirements for the preparation of this DEA.



#### **IV. AN EIS IS REQUIRED TO STUDY THE NOISE IMPACTS OF THE PROPOSED HELICOPTER FACILITY**

The County is proposing to construct a "helicopter facility" as one component of this local Fire Station. The DEA states in § I.B on p.6:

**A helipad will also be implemented as part of the project to facilitate civil defense, training, rescue and firefighting operations in Central Maui and the surrounding areas.**  
(Emphasis added.)

Figure 4 in the DEA shows the location of the "Helicopter Landing Pad." See p.5 of the DEA.

Helicopter facilities are recognized as individualized triggering events for EAs in Chapter 343 because of the adverse noise impacts generated by helicopters. HRS § 343-2 defines a "Helicopter facility" as:

..... any area of land or water which is used, or intended for use for the landing or takeoff of helicopters; and any appurtenant areas which are used, or intended for use for helicopter related activities or rights-of-way.

These helicopters will fly over conservation lands at times.

Helicopter facilities are not permitted uses in the state rural or county public/quasi-public districts. They are urban uses. Federal Aviation Administration ("FAA") approval is required before operating helicopters from this facility. See MCC § 16.26.311.10.5.

The DEA fails to list this federal approval as a regulatory requirement for this project. See DEA, § D., pp. 12-13. This federal permit is a triggering event for a federal EA. The proposing agency has failed to concurrently prepare a federal EA for this project pursuant to NEPA. See HRS § 343-5(f).

The noise impacts of this helicopter facility will be immediately imposed on the existing surrounding residents in this now quiet rural neighborhood. The DEA is wholly inadequate in describing the "helicopter facility."

One of the "significance criteria" is whether a proposed action may detrimentally affect "ambient noise levels." What are the "ambient noise levels" at the "helicopter facility" site? No helicopter noise impact study

has been prepared to first determine what the actual ambient noise levels are in this agricultural and rural area and on this undeveloped site.

How often is it expected that helicopters will take off and land at the "Helicopter Landing Pad." At what times are the helicopter operations expected to take place? What are the anticipated flight paths or tracks for these helicopters? In what directions will they take off? From what directions will they approach the "Helicopter Landing Pad" when they land. Over what neighboring properties will these helicopters be flying? The Department of Fire and Public Safety, County of Maui possesses records regarding the use of the helicopter facilities it operates in Kahului and in Wailea that can provide a basis for further estimates of the amounts of use of a helicopter facility anticipated in Haiku. No helicopter noise impact study has been prepared as part of this DEA addressing all of these issues. It is likely that the adverse noise impacts of these helicopters may detrimentally affect "ambient noise levels."

The DEA concludes only that "construction of the new fire station and new water line may cause short-term impacts to noise quality. No effort has been made to address the serious and adverse short and long-term noise impacts caused by operating helicopters at the proposed Haiku Fire Station.

There is a broader issue as well. The "helicopter facility" is not limited to local Haiku emergency service. It is intended **"to facilitate civil defense, training, rescue and firefighting operations in Central Maui** and the surrounding areas. How many of these operations are for local Haiku purposes and how many of these operations are for civil defense, training, rescue and firefighting operations in Central Maui and areas other than Haiku? It is one matter to impose upon Haiku residents the adverse noise impacts of helicopters on occasional rescue missions in the Haiku area. It is another matter to impose upon Haiku residents the adverse noise impacts of helicopters at a training facility for Central Maui. Alternative locations on the island of Maui for a "helicopter facility" serving more than the Haiku community should be addressed in a larger EIS.

#### **V. FAILURE TO ADDRESS IMPACTS OF OFF-SITE WIND TURBINES**

The DEA wholly fails to address the environmental impacts of the two (2) offsite wind turbines that are proposed to be constructed as components of this project. There are no plans or specifications attached to the DEA showing the appearance and height of the wind generating turbines. There is no analysis of available wind at the proposed site.

There is no analysis of the environmental impacts of wind turbines at that particular site.

If a utility facility is a minor facility it is a permitted use in the agricultural district. If a utility facility is a major facility it is a special use in the agricultural district. Among the primary dividing lines between “major” and “minor” utility facilities are whether these facilities “have [a] potential major impact, by virtue of their appearance, noise, size, traffic generation, or other operational characteristics....” See MCC §§ 19.04.040, 19.30A.050 and 19.30A.060.

The purpose of the DEA is to address the environmental characteristics of the particular wind generating facilities proposed here. The Zoning Determination dated December 24, 2009 attached to the DEA does not study any of the characteristics of the wind generating facilities proposed here. This determination cannot substitute for the study of these characteristics that is required to be included with the DEA. The DEA is inadequate because it fails to address the environmental impacts of the wind generating facilities.

## **VI. THESE AGRICULTURAL LANDS MUST BE PROTECTED**

These are “prime” agricultural lands. MCC §19.68.040 states that:

.... lands identified by the state as important agricultural lands needed to fulfill the purposes of conserving and protecting agricultural lands, promoting diversified agriculture, increasing agricultural self-sufficiency and assuring the availability of agriculturally suitable lands, shall not be reclassified without meeting the standards and criteria established by the legislature and enactment of an ordinance approving the reclassification of such lands by an affirmative vote of at least two-thirds of the council's membership rather than the usual majority.

At a minimum, a vote by two-thirds of the Maui County Council’s membership is required to reclassify these “prime” agricultural lands.

More importantly, Maui County’s “Agriculture District” Zoning Ordinance provides standards for those lands that should be retained in the agriculture district, in Section 19.30A.020, as follows:

Agricultural lands that meet at least two of the following criteria should be given the highest priority for retention in the agricultural district:

A. Agricultural Lands of Importance to the State of Hawai'i (ALISH);

B. Lands not classified by the ALISH system whose agricultural land suitability, based on soil, topographic, and climatic conditions, supports the production of agricultural commodities, including but not limited to coffee, taro, watercress, ginger, orchard and flower crops and non-irrigated pineapple. In addition, these lands shall include lands used for intensive animal husbandry, and lands in agricultural cultivation in five of the ten years immediately preceding the date of approval of this chapter; and

C. Lands which have seventy-five percent or more of their boundaries contiguous to lands within the agricultural district.

In this instance, Tests A, B and C are satisfied. These lands are classified "prime" in the ALISH system. (Test A). These lands were in cultivation through the early 2000's. (Test B; Ordinance 2749 was originally enacted in 1998). Seventy-five percent of the lands surrounding this parcel are in the agriculture district. (Test C).

These lands do not qualify under any circumstances for reclassification or rezoning out of the Agriculture District. The Maui County Council has a regulatory duty, as a matter of law, to protect this parcel for agricultural uses. The applications for a DBA and CIZ must be denied on these grounds alone.

## **VII. INCONSISTENCY WITH GENERAL AND COMMUNITY PLAN**

The Paia-Haiku Community Plan, as a "Planning Standard," states on p. 36:

All zoning applications and/or proposed land uses and developments shall be consistent with the Land Use Map and Objectives and Policies of the Paia-Haiku Community Plan.

The Paia-Haiku Community Plan requires, as a Land Use Goal, the protection of "prime" agricultural lands. See Part III. B. 1. (p.15); See also Part II.B.2.f. (p.12). It is an "Objective and Policy of the Paia-Haiku Plan to "Maintain agriculture as the primary economic activity." (p.22).

The proposed new growth boundaries place the 29 acre parcel within a "rural service center." The "characteristics" of a "rural service center" are

Small cluster of goods/services to support surrounding rural residential uses and agricultural communities. Facilities are generally limited and many essential goods and services are located in a larger town. Employment is generally a function of nearby urban areas or Country Towns. (e.g. Ha`iku, Waiakoa, Keokea)

These uses are for small stores, like Fukushima's, in outlying areas. These uses must be permitted in the Rural District. The uses proposed here are not permitted in the County Rural District.

This proposed Fire Station constitutes illegal "spot" zoning. *Lum Yip Kee, Ltd. v. City and County of Honolulu*, 767 P. 2d 815 (1989) (spot zoning is an arbitrary zoning action by which a small area within a large area is singled out and specially zoned for a use classification different from and inconsistent with the classification of the surrounding area and not in accord with comprehensive plan). The proposal injects urban-like uses into an area completely surrounded by prime agricultural lands and is inconsistent with the applicable plans. This is the wrong location for this project.

The DBA and CIZ applications are inconsistent with these objectives and policies in the Paia-Haiku Community Plan and must be denied as a matter of law. *Gatri v. Blane*, 88 Haw. 108, 962 P. 2d 367 (1998).

## **VIII. THE STUDY OF ALTERNATIVES IS INADEQUATE**

The study of alternatives in the DEA is inadequate. The DEA addresses (1) the Preferred Alternative, (2) a No Action Alternative and (3) a Deferred Action Alternative in one and one-half pages. DEA, pp. 75-76.

The study of alternatives in this DEA is virtually meaningless for environmental purposes. It has been judicially determined that the "heart" of environmental analysis is the study of alternatives to the proposed action. *Friends of the Bitterroot v. U.S. Forest Service*, 900 F. Supp. 1368 (D.C. Mont. 1994); *Conner v. Burford*, 836 F. 2d 1521 (9<sup>th</sup> Cir. 1988).

HAR § 11-200-17(f), with respect to the study of alternatives, requires a description of all "alternatives which could attain the objectives of the action, regardless of cost, in sufficient detail to explain why they were rejected." HAR § 11-200-17(f) continues:

The section shall include a rigorous exploration and objective evaluation of the environmental impacts of all such alternative actions. **Particular attention shall be given to alternatives that might enhance environmental quality or avoid, reduce, or minimize some or all of the adverse environmental effects, costs, and risks.** (Emphasis added). Examples of alternatives include:

1. The alternative of no action;
2. Alternatives requiring actions of a significantly different nature which would provide similar benefits with different environmental impacts;
3. Alternatives related to different designs or details of the proposed actions which would present different environmental impacts;
4. The alternative of postponing action pending further study; and,
5. Alternative locations for the proposed project.

**In each case, the analysis shall be sufficiently detailed to allow the comparative evaluation of the environmental benefits, costs, and risks of the proposed action and each reasonable alternative.** For any agency actions, the discussion of alternatives shall include, where relevant, those alternatives not within the existing authority of the agency.

No EA was prepared when the property was purchased. Maps were prepared and distributed at one time comparing different potential locations for a Fire Station in Haiku based upon fire insurance coverage that would be made available. This is purely an economic factor.

The Department of Fire and Public Safety, County of Maui allegedly has a site selection process that evaluates the benefits and detriments of various alternative locations. There is no evidence in this DEA that alternative locations in the Haiku Region have been evaluated based upon their comparative environmental impacts.

This site requires the County taxpayers to expend millions of dollars in off-site water improvements just to bring water to the property. The DEA should study alternative locations, closer to existing sources of water, that would not require the expenditure large sums of taxpayer monies for off-site infrastructural improvements.

Alternative sites closer to Haiku's existing urban core that will not cause the loss of prime agricultural lands and are closer to existing sources of water must be examined.

The study of alternatives is even more important in this case because a helicopter facility is proposed as a component of this project. The DEA contains no analysis of different locations for a helicopter facility. This failure is even more egregious because what is being proposed is a regional training center for Central Maui. The DEA must contain a comparative analysis of different locations that might be available for a helicopter facility that could serve as a regional training center for Central Maui. Among the sites that should be studied are the Kahului Airport and the helicopter facility that already exists at the Kahului Fire Station.

#### **IX. FAILURE TO ADDRESS COST OF WATER PIPELINE AND WATER ISSUES**

##### **A. This Property Has An Inadequate Source of Water Without Extensive Off-Site Water Improvements From a Distant Purported Source**

This property has one 5/8<sup>th</sup> inch meter and allegedly also has a "reservation" for three additional meters. But the water demand for the Fire Station cannot be satisfied by water supplied by the 5/8<sup>th</sup> inch meter. The Department of Water Supply has stated that existing water systems are inadequate for this project.

The average potable water demand created by the Fire Station is stated to be 1,186 gpd. The total fire flow demand is stated to be 1,500 gpm for a two hour duration. These water demands require the construction of a new 12 inch in diameter water line that is 4,200 linear feet long, from the project site to West Kuiaha Road. There the pipe connects to a 6 inch in diameter pipeline which then connects to the .5 million gallon ("MG") Kaupakalua Tank that is 5,000 feet to the south of the Fire Station Site.

The cost of the total project is 11.2 million dollars. There is no separate break out of the cost for these extensive off-site improvements just to bring water from a distant location to the project site. This cost data should have been included. That a project with water demands this great is proposed such a distance from a source that can purportedly supply enough water to the site demonstrates that the site itself is not appropriate. A site closer to a satisfactory water source should be studied as an alternative.

**B. This Is An Illegal Implementation of the EM Plan**

The Kaupakalua Tank is alleged to supply water to West Kuiaha Road via a six inch in diameter pipeline. This pipeline connects to a proposed pipeline between West Kuiaha Road and East Kuiaha Road that is planned to be 12 inches in diameter and 4,200 linear feet long. The capacity of the pipeline increases significantly even though the amount that can be supplied is well below this capacity because of the six inch size.

The DEA should have disclosed the amount of water that a 12 inch in diameter pipeline is capable of transmitting. It is likely that the 12 inch in diameter water transmission pipeline has the capacity to transmit far more water than is required by a Fire Station. If so it has been sized for additional growth. The growth induced by this transmission line is a secondary or cumulative impact that should have been addressed in the DEA.

It further appears that the 12-inch diameter water transmission pipeline has been sized to meet the needs of the East Maui Water Development Plan ("EM Plan"). One component of the EM Plan is the construction of a water transmission line in the Haiku Road right of way between West Kuiaha Roads and East Kuiaha Roads. See Phase 4 of the EM Plan. The 12 inch diameter water transmission line is proposed to be constructed in the same location as Phase 4 of the EM Plan.

The County is a party to a Consent Decree filed on December 22, 2003 in *The Coalition to Protect East Maui Water Resources et al., v. the Department of Water Supply et al.*, Civil No. 03-1-0008(3) in the Circuit Court of the Second Circuit by which the County is forbidden from implementing any component of the EM Plan until a Supplemental EIS is prepared. For this additional reason an EIS is required.

**C. The County Declaration That the Upcountry Water System Is Inadequate to Supply Water for Domestic or Fire Flow Purposes**

Water cannot be supplied to this parcel without violating Chapters 14.12 and 14.13 of the Maui County Code. These issues have not been addressed in the DEA.

The County of Maui has declared, from 1994 to the present, that the Upcountry water system is inadequate to supply additional water for domestic and fire flow purposes without detriment to those already being served on the system. This declaration includes the County water system in Haiku.



The Maui County Council has enacted the "Water Meter Issuance Provisions for the Upcountry Water System" law. MCC § 14.13.020, entitled "Purpose" states:

The purpose of this chapter is to provide uniform handling of applications for water service from the priority list.

The "Priority list" is defined as:

[T]he compilation of premises in the order received by the department pursuant to a legal notice published in The Maui News, November 2, 1994, for applicants denied new or additional water service.

The "Upcountry water system" is defined as:

[A]ll water improvements associated with the department's Upper Kula, Lower Kula, Makawao (including Pukalani, Haliimaile and Maunaolu College area) and Haiku water systems.

MCC § 14.13.040, entitled "Water service requests" states:

- A. On March 16, 1993, the upcountry water system was found to have insufficient water supply developed for fire protection, domestic, and irrigation purposes to take on new or additional water services without detriment to those already served in the regulated area. Since November 2, 1994, the department has maintained a priority list of premises, organized by the date applications for new or additional water service were received for such premises.
- B. The director shall continue to maintain the priority list of premises applying for new or additional water service from the upcountry water system.

This law forbids the Director from providing new water service, except "in the order of the priority list" and then only "if additional source for the upcountry water system becomes available." MCC § 14.13.060. The Director can only "waive or modify" the mandatory requirements of this law as provided in MCC §14.13.080 which states:

The director may waive or modify the provisions of this chapter when not contrary to the public's health, safety or welfare, and when the director finds:

1. Strict application of the provisions of this chapter would cause an absurd, unfair, or unreasonably harsh result;
2. The director finds the circumstance or condition is unique or exceptional, and the director would grant the same request if made by every similarly situated applicant; and
3. The resulting action of the director will be without detriment to existing users.

The Director has not done so in this case. The Maui County Council has declared the Makawao and Haiku Water systems to **“have insufficient water supply developed for fire protection, domestic, and irrigation purposes to take on new or additional water services without detriment to those already served in the regulated area.”** (Emphasis added) MCC § 14.13.040.A. Residents in the surrounding area who now receive water service from the County of Maui, by this provision, may be detrimentally affected by the provision water to this property.

**C. Maui County Code Chapter 14.12**

The Maui County Council has also enacted a law entitled “Water Availability” in MCC Chapter 14.12. MCC § 14.12.040, entitled “Written verification of long term, reliable supply of water” requires in Section A that:

No subdivision shall be approved, unless prior to submittal of subdivision construction plans pursuant to section 18.20.160 of this code, the director shall provide written verification of a long term, reliable supply of water.

MCC § 14.12.050 further provides, in pertinent part, that:

The director shall review and comment on engineering reports during the department of health's inter-agency review period. In reviewing and commenting on an engineering report, the director shall consider all of the following factors:

- A. The cumulative impacts;
- D. The general plan and relevant community plans;
- G. **The adverse impacts on the water needs of residents currently being served and projected to be served by the department;**
- M. **The adverse impacts to the water needs of residents currently on a County "wait list" for water meters;**

The DEA fails to address these issues.

**X. THE STUDY OF ARCHAEOLOGICAL AND CULTURAL RESOURCES IS INADEQUATE**

The DEA includes in Appendix C “An Archaeological Inventory Survey for the Proposed Ha’iku Fire Station and Waterline Corridor in Pa’uwela Ahupua’a [TMK 2-7-007:008]” (“AIS”) prepared by Scientific Consultant Services Inc. (“SCS”) and dated June 2010. Also included is a letter from the State Historic Preservation Division (“SHPD”) dated November 12, 2010 which states: “We previously reviewed a draft of this report (Perzinski and Dega June 2010) and requested changes/clarifications. Although SHPD’s 11/12/10 letter appears to accept a final version of the AIS, this final version is not included in the DEA, only the unapproved draft.

SHPD’s rules require notice to the public of its receipt of archaeological reports and plans by weekly postings on its website and its office, however, no notice was ever given. This AIS – whether in draft or final form – was never made available to interested persons for the 30-day review and comment period afforded by §13-275-3 (f) HAR.

This is the first opportunity we have had to comment on the AIS since we became aware of the existence of the DEA approximately two weeks ago. Our comments are as follows.

First, the proposed Fire Station is in the ahupua’a of Kuiaha, not Pa’uwela ahupua’a which is located to the south of the project parcel. This is a basic and important error which must be corrected especially since the AIS (SCS Project Number 1012-1) is a companion to a purported “Cultural Impact Assessment for the Proposed Development of a Haiku Fire Station “ (“CIA”) also by SCS dated May 2009 (sic) (SCS Project Number 1013-CIA-1). The USGS Quadrangle Map included as a figure in both the AIS and the CIS indicates that the parcel is in Kuiaha and not Pa’uwela.

The limited archival and documentary research conducted for the proposed project consisted of a review of commonly consulted sources (i.e. Beckwith, Daws, Fornander, Handy, Kamakau, etc.). The bulk of the general information contained in both the AIS and CIS is identical.

**A. The AIS**

The Predictive Model section of the AIS on page 14 states:

Historically, the project area was used for large scale pineapple cultivation and pasture and later as a house site that would have likely destroyed any traditional Hawaiian sites or features. Along the waterline corridor the road has been cut to 15-feet into the slope effectively eliminating any possibility of encountering subsurface deposits. Thus, it is believed that any sites encountered will likely be of an historic nature related to agriculture, animal husbandry or recent habitation within the project area.

What is the basis for the statement that the project area was used for large-scale pineapple cultivation and pasture? Information contained in the Methods section on page 15 states that eleven backhoe trenches were excavated in the southern portion of the project area only, due to the “extremely uneven terrain in the eastern portion of the project area and the presence of several concrete pads and pre-existing structures in the northern portion.”

Consisting of two features, SIHP 50-50-06-6678 is identified in the northwest portion of the project area next to a vacant cottage and a driveway. The site is described as being in fair to good condition. Site type is listed as retaining wall/terrace constructed of traditional material (dry-stacked basalt). Despite the traditional material and traditional construction, the AIS reports “it is believed that the features are associated with the current or possibly former residents.” The features of the site are estimated to have been constructed in the 1950s.

The AIS speculates that the Feature B terrace was constructed by the former house occupants. Figure 9 on page 21 depicts Site 6678 in relation to the Ha’iku Fire Station and accessory structures. Site 6678 is well to the north of the proposed buildings. Figures 11 and 12 on page 23 show features A and B respectively. On page 24, under Significance Assessments, it is noted that “one shovel test unit was excavated adjacent to the platform.” Is the terrace now a platform? Although the AIS recommended that Site 6678 was significant under criterion D, we believe that there is insufficient information to assess this site as significant for criterion D only. For instance, due to the good condition of the features, as evidenced by the photos on page 23, they may be worthy of preservation under criterion C as an excellent example of a modern historic use of traditional materials and construction. This is particularly important because there are so few examples of traditional stone work in the modern historic period in the immediate area.

## **B. The CIA**

The CIA fails to document any interviews or consultation with individuals or organizations knowledgeable about the project area. SCS merely sent out two rounds of letters, primarily to government agencies. Of the two non-governmental agencies to whom a letter was sent, the Central Maui Hawaiian Civic Club is too general an entity to contact (in that they have no procedure for getting a request for cultural practices information out to their members) and Na Kupuna o Maui is an ad hoc group whose members are not known (a group with this name was involuntarily dissolved by the State of Hawaii's Department of Commerce & Consumer Affairs several years ago).

The authors of the CIS, Leann McGerty and Robert Spear, have failed to produce an adequate or credible CIS. The authors did not even bother to interview the neighbors in the rural/agricultural community near the project area, many of whom are long-time kama'aina residents. These neighbors very likely know the history of the project area in their lifetimes. They would be able to shed some light on the agricultural and other uses of the parcel.

Instead the CIS contains a two-sentence section entitled "Project Area and Vicinity" on page 8, the second sentence of which is not altogether accurate: "Most of the land in the vicinity of the project area has long been planted in sugar cane or pineapple." While this statement may be true for some areas of Ha'iku and, more particularly Pa'uwela, it does not take into account specific land uses and practices in close proximity to the project area including, but not limited to, lo'i kalo. Not all of the land in the vicinity of the project area had been planted in sugar cane or pineapple. SCS failed to dig very deep.

Finally, because the parcel area terrain is so uneven as evidenced by the topographical lines shown on Figure 5 of the AIS, there was no actual testing of the majority of the parcel. We believe that ground disturbing activities at Parcel 008 should be monitored.

## **XI. FAILURE TO ADDRESS CUMULATIVE AND SECONDARY IMPACTS**

The DEA does not include any review of the secondary or cumulative impacts of this project. The DEA is inadequate on these grounds alone. The construction of a twelve-inch in diameter water line to this property will induce further growth on this 29 acre parcel and in the surrounding area. This induced growth is unexamined.

The Haiku Fire Station parcel is part of a three-lot subdivision of a County-owned 29 acre parcel. The DEA declines to provide any information at all on what the County plans to do with the other two lots. Are all 29 acres planned to be reclassified from agriculture and will all 29 acres be lost? The DEA states that the County Planning Department is processing the DBA, CPA and CIZ applications on behalf of the County. It is unreasonable to believe that the County has no idea at all for planned uses of the remaining two parcels. The Administration must state in this DEA what these anticipated uses are and study the secondary and cumulative impacts of these uses now and not later.

## **XII. APPLICATION OF SIGNIFICANCE CRITERIA REQUIRES PREPARATION OF EIS**

The analysis of the "significance criteria" in the DEA is superficial and self-serving.

Plainly, this project represents an irrevocable commitment to loss of agricultural resources, namely prime agricultural lands.

The project also involves unexamined secondary and cumulative impacts. The project may be individually limited but cumulatively it involves a commitment for larger actions.

The proposed project involves a substantial degradation of environmental quality and detrimentally affects ambient noise levels due to the helicopter noise it will impose on surrounding residents.

An honest review of many of these criteria can only lead to the conclusion that this project may cause significant adverse effects to the environment such that a FONSI is inappropriate and an EIS must be prepared.

## **XIII. INCORPORATION OF OTHER COMMENTS**

We incorporate by reference all other comments submitted by all others who commented on this DEA, in particular, all other comments tending to indicate how the DEA is inadequate and that demonstrate that an EIS is required.

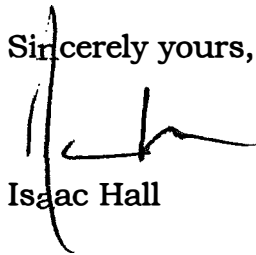
## **XIV. CONCLUSION/THIS DEA MUST BE WITHDRAWN OR AN EIS MUST BE PREPARED**

The inadequacies of this DEA are so severe that the document must be withdrawn, rewritten, republished as a Draft EIS, prepared pursuant to Chapter 343, and public review recommenced.

We trust that you will take seriously your responsibility to enforce the environmental laws of our state, and refuse to accept or approve this document by issuing a FONSI. Because the proposed project may cause significant adverse impacts, an EIS is required.

Thank you for the opportunity to comment on this DEA.

Sincerely yours,



Isaac Hall



Dana Naone Hall

IH/gr

cc: Munekiyo & Hiraga

**EXHIBIT B.**



# ALOHA

Tuesday, April 10, 2007  
Haiku Elementary School



Maui County  
Fire & Public Safety Department  
is dedicated to protect and preserve  
life, environment, and property.



## Specific Goals



- Suppress and extinguish all hostile fires
- Improve the department's response time performance to emergencies
- Increase response resources in rural areas
- Improve the department's emergency medical services capability
- Develop a plan to improve the community's fire protection insurance rating

3



## Planning Process



Documents that assist the Fire Department  
in the decision-making process:

- National Fire Protection Association Standards
- Paia/Haiku Community Plan
- Maui County – 2007 Public Facilities Update
- Hawaii Insurance Rating Bureau guidelines

4



## Site Selection



Based on the following:

1. National Fire Protection Association Standards
2. Fire/Rescue Operations within the district
3. Fire Department's Strategic Plan

5



## Criteria



### Location

- Specific area needs
  - Historical data (Response calls)
  - Critical areas (Schools, Community Center, Recreation attractions: i.e. Twin Falls, Kapuaiaaka)
- Five-Mile, Five-Minute Response
- District overlap with existing stations

6

### Criteria

**Fire Operations**

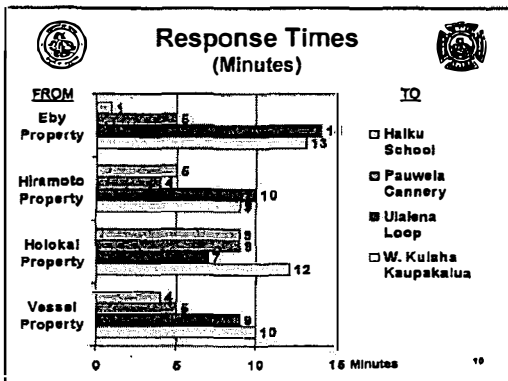
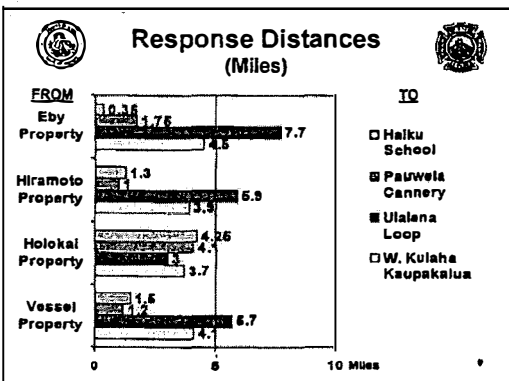
- Access to critical areas
- Road Safety  
Ingress/Egress  
Sight Distance
- Coverage Overlap (Personnel & Apparatus)

7

### Planning Process

#### Maps

8



### Criteria

**Infrastructure**

- Water  
Meter on property  
Hydrant distance
- Power
- Sewer
- Drainage

**Other Considerations**

- Zoning
- Land Availability
- Price

11

### Assessment

Site	Location	Fire Operations	Infra-structure	Zoning	Acres Available	Price Price/Acre
Eby Property	3rd	3rd	2nd	Ag	21.7	\$3.5 M \$161,200
Hiramoto Property	1st	2nd	4th	Ag	5.9	\$1.3 M \$220,340
Holokai Property	4th	4th	3rd	Ag	6.3	State Owned
Vessel Property	1st	1st	1st	Ag	27.8	\$3.2 M \$114,695

12



### Department Recommendation



Based on the goals and objectives of the Department of Fire and Public Safety and the assessment process, the Department recommends the Vessel property located at 3550 Hana Highway for the Haiku Fire Station.

13



### Next Steps



1. Property appraisal
2. Council approval for land purchase
3. Land acquisition
4. Preliminary planning with the community through public meetings
5. Funding for construction fire station in Fiscal Year 2009

14



### Community Questions & Comments



15

**MAHALO  
&  
ALOHA**

16

**EXHIBIT C.**

## **Health and Public Safety**

**Goal** A sense of security for all residents and visitors, and aid in the protection of life and property.

### **Objectives and Policies**

- Improve fire protection capabilities in the Ha`iku area and ensure adequate water pressure for fire protection, particularly in urban and rural areas.

## **GOVERNMENT**

**Goal** Government that demonstrates the highest standards of fairness and is responsive to the needs of the community, fiscally responsible and prudent, effective in planning and implementing programs to accommodate anticipated growth, fair and equitable in taxation, strict in the implementation of the Community Plan, and managed efficiently to provide coordinated and timely responses and the delivery of necessary services and programs to the public.

### **Objectives and Policies**

- Coordinate, direct and manage future development, and provide for necessary public services and infrastructure in a more effective and timely fashion.
- Require that actions taken by public officials, boards or commissions of the County of Maui be in compliance with the goals, objectives and policies of the Community Plan.

## **F. ZONING**

Enactment of Chapter 19.30A Agricultural Districts, Maui County Code (MCC) on December 31, 1998 also zoned lands designated as “Agriculture” by the Maui County General Plan and community plans. The Paia-Haiku Community Plan adopted on May 17, 1995 designated the subject property as “Agricultural”. As such, the subject property is zoned “Agricultural”. A County-initiated Change in Zoning (CIZ) application will be processed for the proposed project to redesignate the 6.1-acre project site as “Public/Quasi-Public”.

Pursuant to Section 19.30A.020 District criteria, agricultural lands that meet two (2) of three (3) criteria should be given the highest priority for retention in the Agricultural district. The subject property meets the following two (2) criteria for retention:

1. Agricultural Lands of Importance to the State of Hawaii (ALISH) designates the property as “Prime” agricultural lands; and
2. Lands which have seventy-five (75) percent or more of their boundaries contiguous to lands within the Agricultural district.

Although the subject property meets the highest priority for retention in the Agricultural district, it is important to note that based on a site selection study conducted by the Department of Fire and Public Safety in 2007, the subject property was selected as the best site for a new fire station to serve Haiku and the surrounding areas. The construction of a new fire station on the subject property will provide a greater public benefit to the community than retention of vacant agricultural land. As noted above, the County of Maui, Department of Planning will initiate a CIZ application to redesignate the 6.1-acre project site as “P-1, Public/Quasi-Public” so that the proposed action is a compatible use.

It is noted that the proposed Haiku Fire Station has been designed to be architecturally compatible with the Paia-Haiku Country Town Design Guidelines. Some examples of key design considerations from the Paia-Haiku County Town Design Guidelines are provided below:

**Architectural Compatibility and Regional Sensitivity:**

- The building design will be fit into the context of the surrounding environment while drawing inspiration from the architecture in the Paia-Haiku region.

**Building Scale:**

- The new fire station facility will be human scaled to fit into the rural setting of Haiku.

**Roofs:**

- A white metal standing seam roof with slopes of 3/12 will be incorporated to facilitate sustainable building strategies. Two (2) major roof forms make up the entire facility. The first is a large front gable roof over the apparatus bay. The second is a series of saw tooth roofs over the living quarters.

**Facades:**

- The new facility will utilize a false front (facade) at the living quarters area of the fire station.

**EXHIBIT D.**



Mark Alexander Roy, AICP, LEED AP  
 Munekiyo and Hiraga, Inc.  
 305 High Street, Ste. 104  
 Wailuku, HI 96793

May 3, 2011

**RE: Response to Archaeological Inventory Survey Comments for the Haiku Fire Station and Waterline Corridor.**

Mr. Roy:

This letter provides responses to several concerns expressed by Hall in a letter dated February 4, 2011 and pertaining to the Archaeological Inventory Survey (AIS) of the proposed Haiku Fire Station and Waterline Corridor. A total of eight (8) comments are addressed below, with excerpts from the Hall letter shown in bold, italicized text.

1. *Although SHPD's 11/12/10 letter appears to accept a final version of the AIS, this final version is not included in the DEA, only the unapproved draft.*

Response: The final, SHPD accepted version of the AIS will be included in the EA, along with the SHPD acceptance letter.

2. *The USGS Quadrangle Map included as a figure in both the AIS and CLA indicates that the parcel is in Kuiaha and not Pauwela.*

Response: The proposed Fire Station does occur in the *ahupua`a* of Kuiaha, not Pa`uwela. The comment is correct. We have changed the *ahupua`a* from Pa`uwela to Kuiaha in text and the USGS map.

3. *What is the basis for the statement that the project area was used for large-scale pineapple cultivation and pasture?*

Response: A 1965 aerial photograph in Foote *et al.* 1972 (Map 112) clearly shows agricultural fields covering the project area.

4. *Page 15 states that eleven backhoe trenches were excavated in the southern portion of the project area only, due to the "extremely uneven terrain in the eastern portion of the project area and the presence of several concrete pads and pre-existing structures in the northern portion".*



Response: Portions of the project area were not subjected to subsurface testing (e.g. in the uneven terrain and concrete house pads) because backhoe access was extremely difficult (due to topography) and after thorough survey, the area did not yield any information suggesting excavation would reveal significant sites.

**5. *Is the terrace now a platform?***

Response: No. The primary author could not find such reference and it is unclear where “platform” was used for SHIP No. -6678. We maintain Site -6678 as a “terrace”. Perhaps the reviewer had looked at a first draft copy of the report. The SHPD accepted copy maintains no reference to the site as a platform. As noted above, a copy of the final accepted AIS report will be included in the Final EA.

**6. *Despite the traditional material and traditional construction, the AIS reports “it is believed that the features are associated with the current or possibly former residents.” The features of the site are estimated to have been constructed in the 1950’s.”***

Response: Yes. The construction materials are of a traditional material (basalt) and are dry-stacked. However, due to the prior existence of agricultural fields in that portion of the project area, it is maintained that the terraces and retaining wall were likely constructed in the 1960’s. The function of the features was for a small house garden and soil retention for the former occupants of the existing dwelling. The walls are not historically significant.

**7. *Should Site -6678 be ‘worthy of preservation under criterion C as an excellent example of a modern historic use of traditional materials and construction?’***

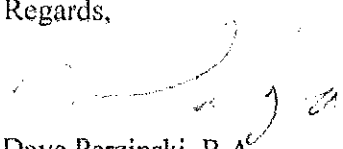
Response: No. Despite the “Fair/Good” condition of the site, it is not believed to be an “an excellent site type; embody distinctive characteristics of a type, period, or method of construction, or represents the work of a master, or possess high artistic value.” The SHPD concurred with this assessment.

**8. *We believe that ground disturbing activities at Parcel 008 should be monitored.***

Response: Monitoring was recommended for portions of the waterline within the Haiku Road corridor, but not along the cut slope. The SHPD concurred with this recommendation.

Thank you for the opportunity to comment. Please contact either of us (597-1182) should you have additional comments or concerns.

Regards,



Dave Perzinski, B.A.,  
Michael Dega, Ph.D.  
Scientific Consultant Services, Inc.

**EXHIBIT E.**

SCIENTIFIC CONSULTANT SERVICES, Inc.



711 Kapiolani Blvd., Suite 975 Honolulu, Hawai'i 96813

Ms Yolanda Poouahi  
c/o Munekiyo & Hiraga  
305 High Street, Suite 104  
Wailuku, Hawai'i 96793

February 25, 2011

Dear Ms. Poouahi:

Thank you for forwarding the letter sent to you by Dana Hall regarding the Cultural Impact Assessment (CIA) for the Ha'ikū Fire Station. Please keep in mind that the purpose of a CIA is to identify ongoing cultural activities and resources in a particular area (project area and nearby vicinity) that may possibly be impacted by the project. In this way, the activities, or resources can be protected and provided for. The CIA is not intended to be a document of in-depth archival-historical land research, or a record of oral family histories, unless these records contain information about specific ongoing cultural resources that might be impacted by a proposed project.

The CIA is not meant to address archaeological matters, as this is done through the archaeological documents and reports. We do include a brief synopsis of the archaeology as part of the project background. Because of this, the CIA information should be the same as what is presented in the archaeology report, but does not go into deep archaeological analysis.

There are suggested guidelines for CIA, but they are suggested guide lines only. Interviews are desirable if there are on-going cultural activities or resources to report. Many times, our documents do not have interviews because there are no on-going cultural activities, or resources to report, especially on lands that have been in agriculture for up to 100 years or more. It may be true that some parcels in the vicinity of the project area were used for other purposes, however, unless this project will negatively impact cultural activities, or resources taking place on those parcels, it is a mute point, from the perspective of the CIA. If objections or additional information concerning the project area is known by the *kama`āina* residents, the public meeting held at the Ha'ikū Elementary School on April 10, 2007, was the perfect opportunity to introduce such knowledge. It is our understanding that several locations for the fire station were discussed with the community that evening.

An important objective of the CIA is to maintain access and availability to important cultural sites and resources, and to bring attention to these areas before any impact has occurred so that consultation can result and mitigation can take place.

The letters of inquiry that were sent out for this project covered individuals and organizations with a broad spectrum of expertise in the local community: Consultation was sought from Thelma Shimaoka, Coordinator of the Maui branch of the Office of Hawaiian Affairs; the Central Maui Hawaiian Civic Club; Hinano Rodrigues, Cultural Historian with State Historic Preservation Division; the Maui Planning Department,

Ph: 808-597-1182

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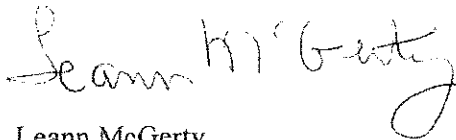
Fax: 808-597-1193

Neighbor Island Offices • Hawai'i Island • Maui • Kaua'i

Cultural Resources Commission; Kamika Kepa'a of the Native Hawaiian Preservation Council, Coochie Cayan, History and Culture Branch Chief at SHPD; Les Kuloloilo at the time on the Maui Burial Council; Ke'eaumoku Kapu; Charles Maxwell, and Nā Kupuna O Maui (which as far as we knew was still functioning when this report originally was completed in 2009).

In addition, a Cultural Impact Assessment Notice was published on January 11, 14, 15, 2009 in *The Honolulu Advertiser* and *The Maui News*, on January 11, 14, 15 2009. These notices requested information of cultural resources, or activities in the area of the proposed project, gave the TMK number and where to respond with information. SCS feels that the public notices and the individuals and organizations that were contacted were sufficient to receive a response or additional source suggestions, if there was something to report.

Best Wishes,

A handwritten signature in cursive script that reads "Leann McGerty". The signature is written in dark ink and is positioned above the printed name.

Leann McGerty

Senior Archaeologist, SCS, Inc.



**Wailuku Main Street Association, Inc.  
Tri-Isle Main Street Resource Center**

A Non-Profit Organization

1942 Main Street, Unit 101 • Wailuku, Maui, HI 96793

Tel (808) 244-3888 • Fax (808) 242-2710

To: Mark Alexander Roy, Munekiyo and Hiraga  
Re: Haiku Fire Station Draft Environmental Assessment  
Date: February 15, 2011

**-Project Review -**

The Wailuku Main Street Association, Inc. /Tri-Isle Main Street Resource Center's Structure and Design Committee reviewed the Draft Environmental Assessment for the Haiku Fire Station as requested by Mark Alexander Roy associate with Munekiyo and Hiraga Inc. and prepared by the same.

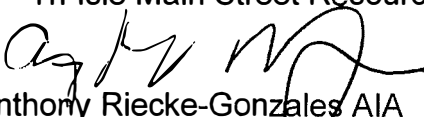
The review is based on the blueprint and information submittals received by the County of Maui Department of Fire and Public Safety dated December 2010 by Munekiyo and Hiraga Inc. and other information by Architects Hawaii contained with the submittals forwarded to the WMSA in order to provide comments on the project as requested by the same as above. The Committee makes the following comments.

The Committee expressed concerns regarding the roof sloping back to the wall as illustrated on exterior elevations on A2D2 and also as noted in Figure 3 as problematic. Roofs sloping back to the wall is inappropriate for the Haiku area that has lots of rain. This design of the roof will result in heavy maintenance.

The Committee felt that it seems strange to us that this project is not being located in one of the more urban areas centered around Pawela and Haiku canneries. This would enable the fire station to interact with the daily activity going on in the community.

We realize and note for the record that we do support having a fire station located in Haiku which will serve a large population base. However, it would make more sense to us to have a fire station more centrally located where other people come to work and live everyday. We appreciate the work that has gone into the process leading up to fulfilling this important community need.

Sincerely,  
WAILUKU MAIN STREET ASSOCIATION, INC.  
-Tri-Isle Main Street Resource Center-

  
Anthony Riecke-Gonzales AIA  
Vice-Chairman, Structure & Design Committee

  
Jocelyn A. Ferreira, Executive Director  
Tri-Isle Main Street Program Coordinator

February 5, 2024

Response to comment from  
Wailuku Main Street Association Inc. letter dated  
February 15, 2011.

**(NOTE: Wailuku Main Street Association  
dissolved in September 2013.)**

**SUBJECT:** Proposed Ha'ikū Fire Station Project and Related Improvements at  
TMK (2) 2-7-007:008(por.), Maui, Hawai'i (File No. POH-2009-  
00341)

In a letter dated on February 15, 2011, the Wailuku Main Street Association (WMSA) provided comments on the 2011 Draft Environmental Assessment (DEA) and land use entitlement requests (State Land Use Commission District Boundary Amendment, Community Plan Amendment, and Change of Zoning) for the subject project.

Following comments received from both agencies and the public on the DEA that was published in 2011, the project had been paused to allow for review of the input received. This review process has culminated in some important refinements being made to the plans for the project to address specific considerations regarding items such as the offsite water infrastructure, as well as the proposed ancillary helipad and wind turbine facilities. DF&PS is now ready to move forward with the project again with an updated site plan that has the wind turbines and helipad eliminated from the scope of the project. The refined site plan also provides for the addition of a small apparatus building next to the main fire station building to accommodate the updated equipment storage needs of DF&PS and a significant reduction in the scope of the proposed offsite water infrastructure. DF&PS will now be proceeding to re-publish an updated version of the DEA (under the Hawai'i Administrative Rules (HAR), Chapter 11-200.1-32, Retroactivity provisions of the new Environmental Impact Statement (EIS) rules) so that agencies and the public can have an opportunity to review the updated scope of the project and provide additional comments prior to DF&PS proceeding with the preparation of the Final Environmental Assessment (EA) to complete the environmental review process pursuant to HAR, Chapter 11-200.

The WMSA's letter will be included in the revised DEA. However, we could not provide a response letter to the WMSA because it had been dissolved in 2013.

In light of the project resuming, we offer the following information in response to those comments presented in their letter:

### **ROOF DESIGN COMMENT**

We note that the Structures & Design Committee felt that there could be a potential for increased maintenance costs associated with the proposed saw-tooth roof design that has been selected for the living quarters/administrative building of the new fire station. This design element was specifically chosen over more conventional roof designs following review of the architectural and land use objectives set forth in both the Pā'ia-Ha'ikū County Town Design Guidelines and the Pa'ia-Ha'iku Community Plan. These important planning documents are intended to guide future development in the area to ensure that new projects fit in with and are consistent with the history and overall unique characteristics of the community. In evaluating alternative roof designs for the proposed facility, the Department of Fire and Public Safety (DF&PS) decided that the current roof design would allow the fire station to take on a more human scale and also for it to blend in more appropriately with Ha'ikū's rural surroundings. The saw-tooth design is a characteristic design element reminiscent of when the region was used by plantations for large-scale agricultural crop cultivation such as pineapple. Ha'ikū Cannery and the Kahului Cannery represent good examples of prominent buildings that incorporated these kinds of roof designs when they were first developed back in the plantation days. The DF&PS feels that the benefits associated with the aesthetic qualities of a saw-tooth roof design outweigh potential drawbacks such as higher maintenance costs.

### **SITE SUITABILITY COMMENT**

We appreciate the comment supporting the need for a new fire station to service the growing Ha'ikū community. As discussed in Chapter I of the 2011 DEA, the DF&PS has identified that a new fire station is necessary to ensure that adequate fire protection service is provided to the growing resident and commercial population throughout the Ha'ikū region. The subject property was selected following completion a site selection process by the County of Maui in 2007.

Early consultation with the community surrounding the project site was conducted during the County of Maui's initial site selection process for the project. As part of this process, the DF&PS held a community meeting at Ha'ikū Elementary School on April 10, 2007. The purpose of this meeting was to (1) inform the community as to the need for an additional fire service facility in the Ha'ikū region; (2) provide an overview on the criteria evaluated during the review of potential alternative sites for the project; and, (3) to receive comments on the preferred site that was being recommended as a result of the site selection analysis. The DF&PS reviewed all comments that were received from the public as a result of this public meeting. The subject property was recommended for purchase by the County as being the most suitable site in terms of meeting the needs of the local community, as well as the operational requirements of the DF&PS. The subject property was purchased on a basis of this recommendation on December 14, 2007.



To allow for implementation of the proposed Ha'ikū Fire Station on a portion of the subject property, the following land use amendments will be requested as part of the entitlement application process for the proposed project. See **Table 1**.

**Table 1**

<b>LAND USE AMENDMENT</b>	<b>CURRENT</b>	<b>PROPOSED</b>
State Land Use Commission	Agricultural	Rural
Paia-Haiku Community Plan	AG, Agriculture	Public/Quasi-Public
County Zoning	Agricultural	Public/Quasi-Public (P-1)

In recognition of the intended use, the subject property has also been identified as a rural growth area in the Maui Island Plan adopted December 28, 2012 as Ordinance No. 4004 by the Maui County Council. Ordinance No. 4004 does not address the component relating to the implementation program. Chapter 2.80B of the Maui County Code, relating to the General Plan was amended via Ordinance No. 3979, October 5, 2012, to provide that the implementation component be adopted no later than one (1) year following the effective date of Ordinance No. 4004. After several time extensions to adopt the implementation program, this component was approved by the County of Maui, effective May 29, 2014 via Ordinance No. 4126.

While we recognize that the comments recommend reconsidering the location in favor of a site that is more centrally located in Ha'ikū, the County of Maui conducted an additional evaluation of potential alternative sites throughout the region, ultimately selecting the proposed project site. As a result of concerns aired during the site selection process regarding the need to separate the fire station use from other uses in the area, the DF&PS chose to proceed with development of the proposed fire station on a portion of the property situated at a lower elevation than the original site that was initially being explored. While there are distinct operational advantages associated with locating a fire station at the highest possible elevation on a piece of property, the DF&PS felt that it was necessary in this particular instance to minimize noise impacts on its rural neighbors and the extent to which the facility can be observed from surrounding residential areas. This degree of separation would not be able to be achieved with a more central location in the midst of the Ha'ikū and Pauwela canneries where there are numerous neighboring businesses and residences.

A copy of the WMSA letter and this response memo will be included in the Final EA for the project.

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**REFERENCES**

**XI**



## XI. REFERENCES

- AMEC Earth & Environmental, Inc., Phase II Environmental Site Assessment - Ha'ikū Fire Station, June 2009
- Chinen, Jon J., The Great Mahele: Hawaii's Land Division of 1848, Honolulu: University of Hawai'i Press, 1958.
- County of Maui, Office of Economic Development, Maui County Data Book 2010, 2011.
- County of Maui, Office of Economic Development, Maui County Data Book 2020, 2020.
- County of Maui, Office of Economic Development, Maui County Data Book 2022, 2022.
- County of Maui Office of the Mayor, Fourth Emergency Proclamation Relating to Wildfires, <https://www.mauicounty.gov/DocumentCenter/View/142928/2023-09-06-Fourth-Emergency-Proclamation-Relating-to-Wildfires>, 2023.
- County of Maui, Paia-Haiku Community Plan, 1995.
- County of Maui, Public Facilities Assessment Update, March 9, 2007.
- County of Maui, The 2030 Countywide Policy Plan, 2010.
- Department of Geography, University of Hawai'i, Atlas of Hawaii, Third Edition, University of Hawai'i Press, 1998.
- Federal Emergency Management Agency, Flood Insurance Rate Map Community-Panel Number 150003/0195B, September 25, 2009.
- Hawai'i Climate Change Mitigation and Adaptation Commission, Hawai'i Sea Level Rise Vulnerability and Adaptation Report, 2017.
- Hawai'i Wildfire Management Organization, Community Hazard Assessments, County of Maui, East Maui, <https://www.hawaiiwildfire.org/fire-resource-library-blog/wildfire-hazard-assessments-maui-east>, Accessed September 2023.
- Hawai'i Wildfire Management Organization, Firewise Guide to Landscape and Construction, <https://www.hawaiiwildfire.org/fire-resource-library-blog/firewise-guide-to-landscape-and-construction>, September 2018.
- James, Van, Ancient Sites of Maui, Molokai, and Lanai: Archaeological Places of Interest in the Hawaiian Islands, Honolulu: Mutual Publishing, 2001.
- MacKenzie, Ed. Melody Kapilialoha, Native Hawaiian Rights Handbook, Honolulu: Native Hawaiian Legal Corporation, 1991.
- Maui County Planning Department, Socio-Economic Forecast-The Economic Projection for the Maui County General Plan 2030, June 2006.

Minerbi, Luciano et al., Native Hawaiian and Local Cultural Assessment Project, Ed. University of Hawai'i at Manoa, Honolulu: 1993.

Munekiyo & Hiraga, Inc., Final Environmental Assessment for Proposed Kaunakakai Fire Station, December 2006.  
State Land Use Commission, <http://www.state.hi.us/>, 2010.

National Fire Protection Association, Firewise USA, <https://www.nfpa.org/education-and-research/wildfire/firewise-usa>, accessed November 2023.

State of Hawai'i, Department of Agriculture, Agricultural Lands of Importance to the State of Hawaii, January 1977.

State of Hawai'i, Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, Hawai'i's August Unemployment Rate is at 2.8 Percent, <https://files.hawaii.gov/dbedt/news/nr-23-49.pdf>, September 2023.

State of Hawai'i, Department of Labor and Industrial Relations, <http://labor.hawaii.gov>, 2015.

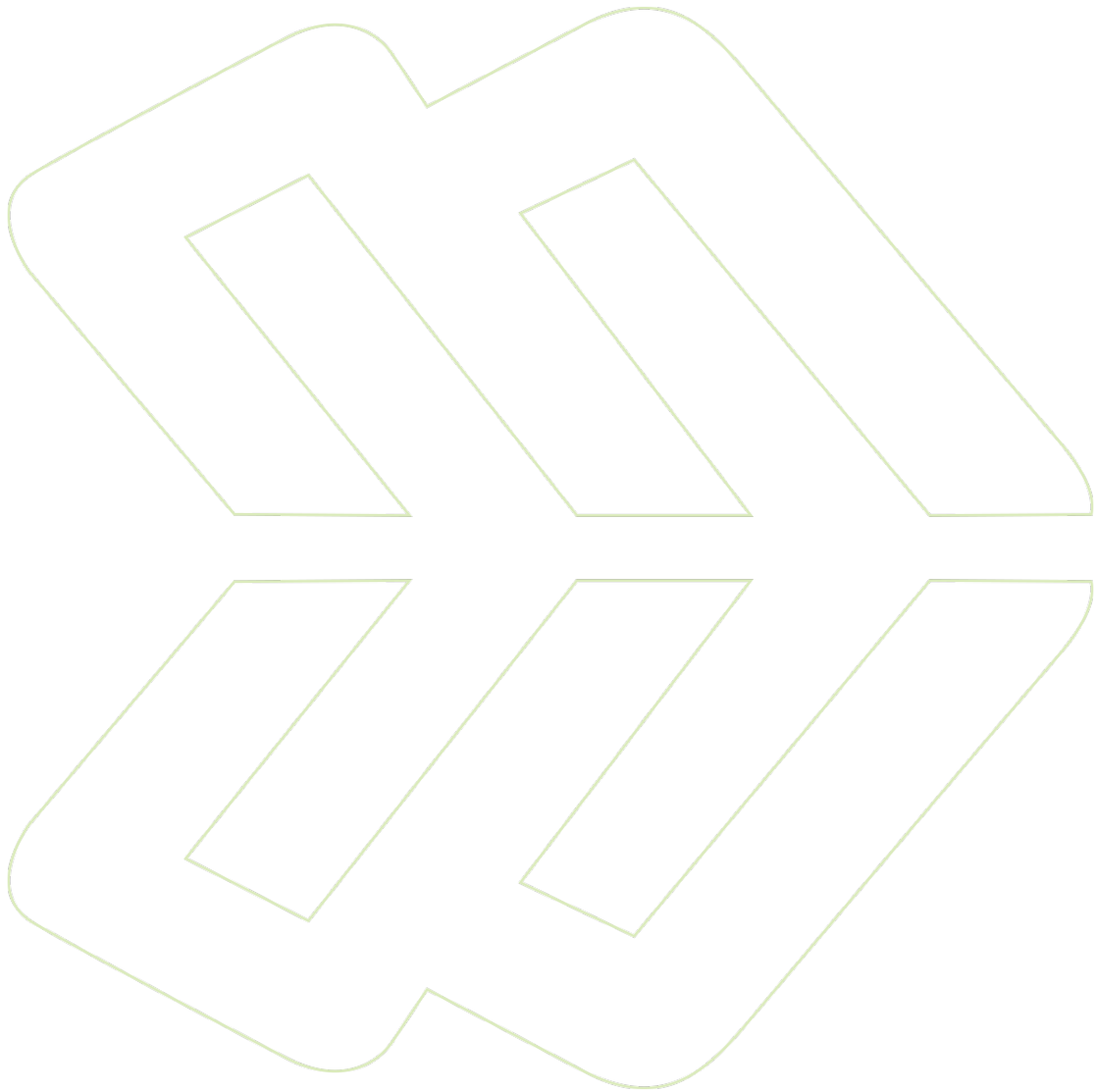
State of Hawai'i Department of Land and Natural Resources, Division of Forestry and Wildlife, Hawai'i Forest Action Plan, <https://dlnr.hawaii.gov/forestry/files/2013/09/Hawaii-Forest-Action-Plan-2016-FINAL.pdf>, 2016.

U.S. Census Bureau, Population Facts for Maui County, <https://data.census.gov>, accessed November 2023.

U.S. Soil Conservation Service, Soil Survey of Islands of Kauai, Oahu, Maui, Molokai, and Lanai, State of Hawaii, U.S. Government Printing Office, 1972.

University of Hawai'i Economic Research Organization, After the Maui wildfires: The road ahead., <https://uhero.hawaii.edu/after-the-maui-wildfires-the-road-ahead/>, 2023.

University of Hawai'i, Land Study Bureau, Detailed Land Classification - Island of Maui, L.S.B. Bulletin No. 7, May 1967.



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