Mr. Keith Kawaoka, Acting Director  
State of Hawaii  
Department of Health  
Office of Environmental Quality Control  
235 South Beretania Street, Suite 702  
Honolulu, Hawaii 96813

Dear Mr. Kawaoka:

SUBJECT: Chapter 25, Revised Ordinances of Honolulu  
Final Environmental Assessment (FEA)

Project: Moore Residence  
Applicant: Dale and Patricia Moore  
Agent: envision.design.build, LLC (Gazelle Garner)  
Location: 66-084 and 66-084-A Haleiwa Road - Haleiwa  
Tax Map Key: 6-6-001: 029  
Proposal: The Applicant proposes to construct a new two-story  
two-family detached dwelling on a 15,984-square-foot lot.  
The structure will contain two dwellings, with an aggregate of  
2,958 square feet in area. Each dwelling will consist of three  
bedrooms, four baths, two half-baths, an open plan kitchen,  
associated dining and living areas, and a parking garage.  
The proposed two-family detached dwelling will be built  
identical to an existing detached two-family dwelling, which  
was recently constructed on the same property.

Determination: Finding of No Significant Impact

Attached and incorporated by reference is the FEA, as prepared by the Applicant, for  
the subject Project. Based on the significance criteria outlined in Title 11, Chapter 200.1,  
Hawaii Administrative Rules, we have determined that the preparation of an Environmental  
Impact Statement is not required, and have issued a Finding of No Significant Impact.  
Please publish this finding in the next edition of the "The Environmental Notice" on  
Enclosed, please find a completed Office of Environmental Quality Control Publication Form and an electronic copy of the FEA.

Should you have any questions, please contact Janet Meinke-Lau, of our staff, at (808) 768-8033, or by email at j.meinkelau@honolulu.gov.

Very truly yours,

[Signature]
Dean Uchida
Director

Enclosures
Project Name: Proposed New Detached Two Family Dwelling and Existing Detached Two Family Dwelling

Applicable Law: Revised Ordinance of Honolulu §25

Type of Document: Final Environmental Assessment - Finding of No Significant Impact

Island: O'ahu

District: Hale'iwa

TMK: (1) 6-6-001-029

Permits Required: State: Erosion Sediment Control Plan

City and County of Honolulu: Special Management Area Permit, Park Dedication, Haleiwa Special Design District, Department of Health, Building Permit, Honolulu Fire Department Plan Review.

Applicant or Proposing Agency:

Dale and Patricia Moore
59-589 Ke Iki Road F
Haleiwa Hawaii 96712
E-mail: mooreohana@gmail.com
Phone: 808-927-0404

Approving Agency or Accepting Authority:
(Address, Contact Person, Telephone, E-mail)

City and County of Honolulu
650 South King Street, 7th Floor
Honolulu, Hawaii 96813
Contact: Janet Meinke-Lau
E-mail: j.meinkelau@honolulu.gov
Phone: (808) 768-8033
Agent for Owners/Consultant:
(Address, Contact Person, Telephone, E-mail)

envision.design.build, LLC
P.O. Box 1105
Haleiwa Hawaii 96712
Contact: Gazelle Garner
E-mail: gazelle@edbhawaii.com
Phone: 808-445-4625

Status: Final Environmental Assessment - Finding of No Significant Impact

Project Summary:
The Applicant proposes to build a new detached two-family dwelling on a 15,984-square-foot (sq. ft.) lot. The plan for the detached two-family dwelling consists of a two-story, 2,958-sq. ft. structure with three bedrooms; four baths; two half-baths, an open plan kitchen, dining and living area; a lanai and stairs; a den and an entertainment room; and two parking garages. The proposed detached two-family dwelling will be built identical to an existing detached two-family dwelling, which was recently constructed on the same property. For utilities, an individual wastewater system is designed and approved, meeting all regulatory requirements.
MOORE RESIDENCE

Proposed New Detached Two Family Dwelling
and Existing Detached Two Family Dwelling
66-084 & 66-084 A Haleiwa Road
Haleiwa, HI 96712
TMK: 1 6-6-001-029

APPLICANT and LANDOWNER:
Dale and Patricia Moore
59-589 Ke Iki Road F
Haleiwa HI 96712

DETERMINING AGENCY:
Department of Planning and Permitting
City and County of Honolulu
650 South King Street
Honolulu HI 96813

PREPARED BY:
envision.design.build, LLC - Agent
P.O. Box 1105
Haleiwa HI 96712
808 724-4020

LAND PARCEL LOCATION
Island: Oahu
County: Honolulu
CLASS OF ACTION:
New construction of detached two family dwelling
Cumulative Construction Cost for Proposed and Existing Dwelling over $500,000 within the Special Management Area
MOORE RESIDENCE

Proposed New Detached Two Family Dwelling
and Existing Detached Two Family Dwelling
66-084 & 66-084 A Haleiwa Road
Haleiwa, HI 96712
TMK: 1 6-6-001-029

APPLICANT and LANDOWNER:
Dale and Patricia Moore
59-589 Ke Iki Road F
Haleiwa HI 96712

DETERMINING AGENCY:
Department of Planning and Permitting
City and County of Honolulu
650 South King Street
Honolulu HI 96813

PREPARED BY:
envision.design.build, LLC – Agent
P.O. Box 1105
Haleiwa HI 96712
808 724-4020

CLASS OF ACTION:
New construction of detached two family dwelling
Cumulative Construction Cost for Proposed and Existing Dwelling over $500,000 within the Special Management Area

This document is prepared pursuant to:
The Hawai‘i Environmental Protection Act,
Chapter 343, Hawai‘i Revised Statutes (HRS),
and Title 11, Chapter 200, Hawai‘i Department of Health Administrative Rules (HAR)
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## Summary of Proposed Action

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1.0 INTRODUCTION

1.1. Project Overview

Dale and Patricia Moore (the applicants) seek to build a detached two family dwelling on their 15,984 square foot lot. The property is located on Haleiwa Road, across the street from the Hale'iwa Small Boat Harbor parking lot (Figure 1 and Figure 2).

The plan for the detached two family dwelling consists of a two-story, 2,958 square foot (sf) structure with three bedrooms; four baths; two half baths, an open plan kitchen, dining and living area; a lanai and stairs; a den and an entertainment room; and two parking garages. For utilities, an individual wastewater system is designed and approved, meeting all regulatory requirements.

Landscape features include Norfolk Pines and Palm Trees along the Haleiwa Road side of the property, as approved per Special District Permit # 2017/SSD-72 on 1/29/2018. In addition to the approved trees, the property has a new redwood fence with two rock columns flanking the rolling driveway gate, and a concrete driveway. Open land areas on the property are planted with groundcover. The location of all improvements has been planned to maintain a wide setback for future road widening. In the area to be disturbed, no native vegetation remains. The house site itself is near an area where a former landowner had a detached two family dwelling and a single family dwelling which were removed by the current owners. Land clearing would be minimal in depth, only as required for foundation work, and would extend over about 2,500 sf which consists of the footprint of the proposed dwelling.

1.2. Purpose of the Environmental Assessment Process

This Environmental Assessment (EA) process is being conducted in accordance with Chapter 343 of the Hawai‘i Revised Statutes (HRS). This law, along with its implementing regulations, Title 11, Chapter 200, of the Hawai‘i Administrative Rules (HAR), is the basis for the environmental impact assessment process in the State of Hawai‘i. According to Chapter 343, an EA is prepared to determine impacts associated with an action, to develop mitigation measures for adverse impacts, and to determine whether any of the impacts are significant according to thirteen specific criteria. If, after considering comments to the Final EA, the approving agency concludes that no significant impacts would be expected to occur, then the agency will issue a Finding of No Significant Impact (FONSI), and the action will be permitted to proceed to other necessary permits. If the agency concludes that significant impacts are expected to occur as a result of the proposed action, then an Environmental Impact Statement (EIS) will be prepared.
Figure 1 - Location and Vicinity Map
Moore Residence
Haleiwa, Oahu
Figure 2 – TMK and Surrounding Properties

Subject Property

Not to scale

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Figure 2 - TMK (1)6-6-001-029 and Surrounding Properties
Moore Residence
Haleiwa, Oahu
1.3. Previous Land Use Approvals

Two Building permits have previously been issued to the landowners/applicants: BP#823948 (Appendix 1) for the first detached two family dwelling constructed on the property in 2019 and BP#838386 for an interior alteration to the dwelling (Appendix 12). A Special District Permit # 2017/SSD-72 was issued in 2018 (Appendix 9).

1.4. Purpose and Need

The purpose of this project is to construct a second new detached two family dwelling on a residential parcel with an existing newly constructed detached two family dwelling, which was granted a building permit October 23, 2018 (Appendix 1). The new construction would consist of a detached two family dwelling (Appendix 2). Each proposed detached dwelling unit would be 2 story, 2 bedroom, 2.5 bathrooms with an enclosed 2-car garage. An extension to the existing concrete driveway will be added for access to the new garages and new landscaping will be planted. This project along with the existing dwelling, are to be used as much needed affordable long term residential rentals, built solely to provide long term housing for the Haleiwa/North Shore community.

This proposed detached two family dwelling is to be built identical to the existing newly constructed detached two family dwelling currently on the property. The proposed project shall be built with identical construction material, windows, doors, identical flooring material, similar lighting fixtures, plumbing fixtures, appliances, and similar interior and exterior painting products. Fixtures and interior finish colors may vary slightly. The cost of construction of this project has been determined to be $388,424.51 based on the actual cost of the above mentioned materials. Construction and completion of the existing dwelling took approximately nine months. Based on that construction timeline, time allotted for compliance with necessary easement requirements from Hawaiian Electric Company (Appendix 3) it is anticipated that this new project will take approximately 7-9 months to complete upon issuance of all necessary agency and permit approvals.

1.5. Permits and Approvals Required

An application for this project will be submitted for issuance of a Special Management Area Use Permit, Major, per State and City requirements for larger residential developments that are located within the Special Management Area (SMA) with a cumulative cost of construction totaling $776,849.02 for both two family dwellings , exceeding the $500,000 threshold. The City and County of Honolulu SMA permit application requires that an Environmental Assessment (EA) be prepared. Anticipated findings of no significant impact is expected.

Additional County and State Permits needed to implement the proposed action:
1.6. Public Involvement and Agency Coordination

The following agencies and organizations have been consulted during the pre-consultation Draft Environmental Assessment Process:

- Board of Water Supply
- Clean Air Branch
- City & County of Honolulu Department of Planning and Permitting
- Department of Health
- Department of Land and Natural Resources
- Department of Parks and Recreation
- Department of Transportation Services, City & County and State of Hawaii
- Environmental Health Dept
- Hawaiian Telcom
- HECO
- Honolulu Fire Department
- Indoor and Radiological Health Branch, Noise Section
- Office of Planning City and County of Honolulu & State of Hawaii
- Office of Planning Hawaii Coastal Zone Management Program
- Police Department
- Public Works Division, Construction Management Branch
- Public Works Division, Planning Branch
- Spectrum
- State of Hawaii Office of Environmental Quality Control
- U.S. Fish and Wildlife Services

In addition, all neighbors within 300 feet of the project site at 66-084 and 66-084 Unit A Haleiwa Road, Haleiwa were sent, via USPS, a notification request for their input and comments. Along with a site plan of the proposed project. As of August 3, 2020 none have been received. (See Appendix 14 – outreach map, letter and address/TMK list, NS Neighborhood Meeting Agenda and Approval).
All those households within 300 feet were also notified at the same time of the public community meeting to held on July 28, 2020, where the project was presented to the community board, the representatives, and open to any comments or input from the public.

An email was also sent to the Community board members inviting any of those members to visit the project site in person.

One phone call from member Michael Lyons was received to confirm the square footage of the parcel. Member Raquel Hill-Achiu was able to physically visit the project site, commenting on her approval of the site and the proposed detached two-family dwelling, the professional job being done and the aesthetically pleasing look of the project.

The proposed project was presented to the North Shore Community Board at a public meeting on July 28, 2020. The proposed project was unanimously approved with no objection. (See Appendix 14).
2.0 DESCRIPTION OF THE PROPOSED ACTION

2.1. Location and Property Description

The project property is located in Haleiwa, North Shore, Waialua, island of O’ahu, Tax Map Key (TMK) (1) 6-1-001-029 (Figure 2).

This property is located on Haleiwa Road, 105.88 feet wide fronting Haleiwa Road. The property is zoned residential R-5, state land use Urban. As the location is considered at an entry point into Haleiwa town, the property is part of the Haleiwa Special District.

2.2. Surrounding Land Uses

There is a residential property on the left side of the project site which has an older home, currently occupied. The property on the right side of the project site is also residential with an older home which is also occupied, and an agricultural parcel accessed by a flag road is located behind the property. There is no known residential dwelling on this parcel, only some outbuildings/workshops. On the opposite side of Haleiwa Road, across from the property is the Haleʻiwa Small Boat Harbor parking lot and boat harbor, which is zoned commercial (Figure 3).

2.3. Regional Land Use History

Early North Shore O’ahu was settled by native Hawaiians who grew taro sweet potatoes and established communities. Missionaries arrived and build a mission and church, which is known as Queen Liliʻuokalani Protestant Church.

Established in the late 1800’s, Haleiwa town retains a commercial setting typical of a rural plantation town and is therefore an integral and important part of Hawaii’s history. It is the largest commercial center on the North Shore of the island. A hotel was built in 1898 along with a railway line from Honolulu to Waialua along the coast around Kaena Point, and ended in front of the hotel, which is now the current site of Haleiwa Joe’s Restaurant. This restaurant is located at the corner of Haleiwa Road and Kamehameha Highway. The project property is located approximately 600 feet north of that location. North of the Haleʻiwa Small Boat Harbor is Haleʻiwa Beach Park, Haleiwa Elementary School, Haleiwa Baptist and numerous residential homes and agricultural lands. As commercial farming is no longer a profitable North Shore industry, many of these agricultural lands are being sold to private entities for development (Janis L. Magin, “Dole Food sell former Hawaii pineapple land to Utah entity for $15M” Pacific Business News, Jan 23, 2019)
2.4. Existing Uses and Structures

City and County of Honolulu Real Property Assessment Division (RPAD) field books show the project (located at 66-084 Haleiwa Road in Haleiwa) site’s first transfer of title from Waialua Agricultural Company to a private owner via an agreement of sale in 1939.

City and County of Honolulu Department of Planning and Permitting records show residential improvement information which indicate a residential dwelling of approximately 948 square feet, 3 bedrooms and 1 bathroom was constructed in 1945 on the property. Records show that in 1958 a two-story detached two family dwelling was relocated from Vineyard Street, in Honolulu, to the project site in Haleiwa. This two-story detached two family dwelling had a total of 4 bedrooms and 2 full bathrooms and 1 half bathroom (Figure 4).

A total of three residential dwellings have existed on the project site since this time. All dwellings have a history of being occupied continuously until the current owners gave 120 day notice to the occupants that demolition permits had been issued and all the existing old structures, which were in poor/tear down condition, were to be demolished (Figure 4). This demolition work was approved in March 2018 and completed in June of 2018.
In October 2018 building permit #823948 was issued to the current owner for construction of a detached two family dwelling consisting of 4 bedrooms and 4 full bathrooms, 2 half bathrooms, with two 2-car enclosed garages, along with a storage garage and a new wood fence with a rolling gate. The existing detached two family dwelling is completed (Figure 5). The storage is completed (Figure 6), and the wood fence and rolling gate are now also complete (Figure 7). In August 2019 an application for an interior alteration permit was submitted and issued BP # 838386. This alternation work, for removal of a non-load bearing interior wall, is complete.

In August 2019 it was determined that the two detached two family dwellings would be defined as a "development" under HRS Section 205A-22. Additional reviews and requirements were determined to be necessary and have been addressed as requested by City and County of Honolulu and State of Hawaii agencies. Further information on the additional requirements are discussed under Potential Impact section.

2.5. Design Features of the Proposed Detached Two Family Dwelling

The proposed new two family detached dwelling shall be 2,960 square feet of floor area (1,308 square feet first floor, 1,652 square feet second floor), 4 bedrooms, 4 full bathrooms and 2 half bathrooms (Appendix 2) with a concrete driveway and a small yard. Plans do not call for any extensive change to the landscaping or topography of the land. The entire project site is flat with little or no landscaping and primarily vacant of any trees or grasses (Figure 8).

A building permit application #A2018-11-1168 and required e-plans were submitted in November 2018 for the construction of a second two-story detached two family dwelling with two enclosed 2-car garages, identical in size, construction and materials as the dwelling built under PB #823948.

2.6. Utilities and Infrastructure

A utility easement has been granted to Hawaiian Electric Company for overhead utility improvement access across the property (Appendix 3).

The community of Haleiwa and areas considered rural communities or small urban areas utilize on-site disposal of wastewater. The project site currently has two approved newly installed individual wastewater systems (Appendix 4). The existing detached two family dwelling will be serviced by one individual wastewater system, and the new proposed detached two family dwelling will be serviced by the second individual wastewater system. Each system is comprised of a 1,500 gallon capacity tank designed to service five bedrooms. The leach field for each wastewater system is 12 x 25 feet with infiltrators (Figure 9, 10, 11).
Figure 4 – Previous and New Dwellings Located on Property
Figure 5 – Completed Existing Dwelling
The individual wastewater system design plans were submitted by a licensed engineer to the Hawaii State Department of Health, Wastewater Branch, and approved as conforming to applicable provisions of Chapter 11-62 HAR (Appendix 4). The Orenco 1,500 gallon tank is flood proof/resistant. It has above ground sealed lids, all clean outs have above ground leak proof cups. The leach fields are designed for water to percolate and evaporate.

The systems were installed by a licensed contractor (Figures 9, 10, and 11). These new systems replace three cesspools that were servicing or had been servicing the three original dwellings that had been located on the property since the early 1950’s. A fourth abandoned cesspool was found during the installation of the individual wastewater systems, however there was no found documentation pertaining to it. It is unknown if all three cesspools were functioning at the time the current owners purchased the property, however there were tenants living in two of the original residential buildings and they had wastewater services during their tenancy. All original cesspools on the project site were buried during the installation process of the two new individual wastewater systems.

Figure 9 – Septic Tank 1
Figure 10 – Septic Tank 2
Figure 11 – Both Septic Tanks
2.7. Project Cost and Schedule

Construction of the proposed project would commence upon issuance of the building permit under application #A2018-11-1168. The construction project schedule allowing for adjustments and accommodating unexpected events, such as delivery delays, weather, etc., the project time frame is anticipated as follows:

- Upon issuance of building permit – commence work
- 20-40 days commence and complete foundation
- 40-100 days commence and complete framing
- 100-180 days commence and complete roofing, rough plumbing, rough electrical, and drywall
- 180-270 days commence and complete finish carpentry, finish plumbing, finish electrical

Completion of the project should be completed in 7-9 months from commencement. The estimated cost of construction of the new detached two family dwelling and all finishes is $391,000.00. This is based on the construction costs of the identical newly constructed dwelling which is completed. The funding of this project will be done with the owner’s personal funds.
3.0 THE ENVIRONMENTAL SETTING – POTENTIAL IMPACTS AND MITIGATION MEASURES

This section describes existing conditions of the physical or natural environment, potential impacts related to the creation of the residences on the environment and mitigation measures to minimize impact.

3.1. Climate

The climate of O‘ahu has low annual variability with temperatures changes of only about 9 degrees at sea level. The Hawaiian Islands experience two seasons; summer and winter, with the summer months of May-September characterized by temperatures averaging 80 – 90 degrees and winter temperatures dropping to the mid 60’s with an increase in precipitation. Coastal regions of O‘ahu average 20-30 inches of rainfall annually; however, rainfall can reach up to 280 inches annually in the higher elevations of the Kahana area on the windward side. 66-084 Haleiwa Road is located in a coastal area and experiences rainfall and temperatures similar to other low lying locations (Figure 12 and 13).

*Figure 12 – Mean Annual Rainfall Island of O‘ahu*
3.1.1. Potential Impacts and Mitigation Measures:

The proposed detached two family dwelling is not expected to have an impact on the region’s climate; therefore no mitigation measures are warranted.

The project location on Haleiwa Road is across from Hale‘iwa Small Boat Harbor. This boat harbor has an entrance channel of 740 feet long and approximately 120 feet wide. There is a stub breakwater approximately 80 feet long and a wave absorber approximately 140 feet long. The boat harbor is considered an exposure area which may see a 1.1 meter of sea level rise by the year 2100 based on the methodology of the sea level rise modeling used in the Hawai‘i Sea Level Rise Vulnerability and Adoption Report December 2017.

In 2014 the Hawai‘i State legislature passed the Hawai‘i Climate Adaption Initiative Act (Act 83, Session of Laws of Hawai‘i) declaring that climate change poses both an urgent and longer threat to the state’s economy, sustainability, security and way of life. A statewide Sea Level Rise Vulnerability and Adaption Report was developed to help Hawai‘i prepare for the impact of sea level rise and also it intended to serve as a model for future efforts to address other climate related threats and climate change adaption priorities, ultimately leading to a Climate Adaption Plan for the State of Hawai‘i. In 2017
the State legislature passed Act 32 further solidifying Hawai‘i’s commitment to climate change mitigation and adaptation and created a Hawaii Climate Change and Mitigation and Adaptation Commission to further the work of the committee. Hawai‘i Boat Harbors would be a focus of these committees in determining mitigation as well as properties along low-lying coastal areas which would be impacted. Adaptation to sea level rise and action are in the works now in Hawai‘i. Hawai‘i was the first state to require 100% renewable power supply by year 2045 (Act 97, SLH 2015), Act 99 SLH 2015 and Act 176 SLH 2016 direct all public schools and universities to be net-zero by 2035.

The proposed project is not anticipated to have significant adverse effects on climate conditions in the Haleiwa area, based on the small scale and scope of this project. New landscaping, shrubs and trees and ground cover can be used to mitigate heat and soil retention. Prior to the recently completed detached two family dwelling, the subject lot had hardscape coverage of approximately 7-10% of the lot. This old hardscaping is being removed and will be replaced with new hardscaping and when completed may cover 13% of the overall lot.

Through these acts and others, the state of Hawai‘i has laid a path for adapting to climate change, reducing greenhouse gas emissions and charting a path to protect the State’s environment, economy and way of life.

The proposed project is not anticipated to experience significantly adverse effects from sea level rise. As shown in Figure 14, sea level rise exposure area at a predicted 3.2 feet by the year 2100 does not reach the proposed project. A measurement of the parking lot area of Hale‘iwa Small Boat Harbor shows the elevation from the harbor parking lot to Haleiwa Road, upon which the subject property fronts, is approximately 3 feet 4 inches and from the water to the parking lot of the Hale‘iwa Small Boat Harbor is approximately 2 feet, for a total of approximately 5 feet 4 inches (see photos on pg.29). In addition, the Department of Boating and Ocean Recreation are implementing plans to have public-private partnerships on our boat harbors to insure funds are available to update and modernize Oahu’s harbors which will allow for added improvements and consideration to future sea level rise (DLNR, DOBOR “Modernizing Ocean Recreation Management in Hawai‘i Strategic Action Plan 2019”).
Figure 14 – Hawai‘i Sea Level Rise Viewer

Sea Level Rise: Hawai‘i Sea Level Rise Viewer

[Map showing Sea Level Rise Exposure Area, Flooded Highways, and Coastal Erosion at scenario: 3.2 ft, 2.0 ft, 1.1 ft, 0.5 ft, and Current Vegetation.]

Subject Property

BASEMAPS
- Grayscale
- Grayscale: no labels
- Grayscale: no labels or roads
- Satellite
- Satellite: no labels
- Digital Elevation Model (DEM)
- DEM: no labels
- DEM: no labels or roads

EXPOSURE
- Sea Level Rise Exposure Area (DLR-XA) (a, b, and c combined area)
  - 0.5 ft
  - 1.1 ft
  - 2.0 ft
  - 3.2 ft
- a. Passive Flooding (all major islands)
  - 0.5 ft
  - 1.1 ft
  - 2.0 ft
  - 3.2 ft

Map data ©2020 Google. Terms of Use.
3.2. Geology and Topography

The island of O'ahu is made up of two volcanoes; Waianae and Koolau. Waianae makes up the west part of the island and Koolau, a large basaltic volcano, makes the east side of the island.

Haleiwa is located on Waialua Bay at the mouth of the Anahulu Stream on the north side of the island. The project site with its existing detached two family dwelling and its proposed detached two family dwelling is located fronting a two lane public road, which is well traveled by tourists and residents. The topography of the project site is level ground from the front of the parcel at Haleiwa Road (Benchmark Sta#25 “mag Haleiwa rd.” 8.07) to the rear of the irregular shaped parcel.

With the existing and proposed residential dwellings, estimated building footprint coverage of the land will be 32 percent. An existing concrete driveway covers 1,800 square feet of the land. A garage approach “T-ing” off of the existing driveway for access to the proposed new detached two family dwelling would be installed and cover an additional 304 square feet. This will be an estimated hardscape/paving coverage of 13 percent.

The project’s site is not landscaped at this time and has some wild California grass and crabgrass upon it. As one of the final stages in the completion of the new proposed dwelling along with the existing dwelling, new landscaping will be installed (see Figure 21). Landscaping consisting of plants, turf, shrubs and trees which require minimal water and are drought tolerant will be selected. Examples would be whiskfern, hibiscus, maiapilo, croton, or spider lilies.

3.2.1. Potential Impacts and Mitigation Measures:

The additional proposed detached two family dwelling along with the existing detached two family dwelling is not expected to have an impact on the geology or topography of the surrounding lands or the site itself.

There is no grading required since the project site has been developed and previously three existing homes had already been established on the project site since the 1940’s. Minimal grading – if any is needed – would be limited to the building footprint (2,328 square feet) of the new additional proposed detached two family dwelling and the garage approach (304 square feet).

3.3. Soils

The project site is situated on land classified as Urban Residential 5 in Haleiwa on the North Shore of O'ahu. According to the USDA Natural Resources Conservation Service the land area
is part of a classification called Haleiwa silty clay. Approximately 89% of Haleiwa is this classification (Appendix 6).

The soil conditions indicate that site is ideal for the individual wastewater systems designed for the project site. The leach beds installed are in sandy soil and the permeability is rapid (12 inches of water seeping away in 10 minutes) and the erosion hazard is slight, impact on the soil will be slight.

3.3.1. Potential Impacts and Mitigation Measures

Proposed construction and the existing detached two family dwelling will not have an impact on the soils of this project site. The site itself is in a well-established residential community with existing homes, structures, and commercial development. The site is level for building purposes, and no exaction or fill is required.

Impact to the soil may include some dust during construction. During the construction of the proposed dwelling a watering program will be implemented to minimize any soil erosion and control dust, along with construction of dust screens to minimize soil erosion and dust impact on surrounding and neighboring properties. As necessary, additional preventative erosion applications will be installed and construction will comply with all applicable Federal, State and City and County rules and regulations for erosion control. After construction landscaping will be installed to provide long term erosion control.

3.4. Flood Hazard

The proposed detached two family dwelling is to be constructed in accordance with the requirements set forth by Revised Ordinances of Honolulu (ROH) Chapter 21A Flood Hazard Areas (see Appendix 2) and the existing dwelling has been constructed the same.

The project site has three base flood elevations flood zone X, AE 6 and AE 8 (Figure 15) as determined by the Federal Emergency Management Agency (FEMA) and Flood Insurance Rate Map (FIRM). The flood elevations were used as a determination as to the location of the dwellings on the parcel. The proposed dwelling and the existing detached two family dwelling are and shall be built and located on the portion of the project site classified as AE 6 and flood zone X (Appendix 11).

The builder working in conjunction with the surveyor has situated the location of the proposed dwelling to be built so that no portion of the proposed dwelling shall intersect with any portion of the property located in flood zone AE 8.

Mitigation measures taken with regards to flooding. The existing detached two family dwelling and the proposed detached two family dwelling are designed to be 6 feet above the base flood elevation. The land parcel has not been graded or altered, therefore retaining the natural level of the land, which has stood as it is since the early 1950’s. The existing hardscaping which
was installed during the construction of the existing detached two family dwelling has shown to have no effect on flooding to the road and nearby properties in the almost twelve months the hardscaping has been completed. The hardscaping was installed to have stormwater runoff exit onto the property itself by the gradual grade of the driveway and walkways. The new proposed hardscaping will be installed in a similar fashion and cover approximately 500 square feet.

Three residential units (one 2 family dwelling and one single family dwelling) have been replaced with an existing detached two family dwelling unit and will be replaced with the proposed second detached two family dwelling which comply with up-to-date regulations when building in areas deemed Flood zones AE 6 & 8.

Removal of the old structures was completed in Spring 2018 (Demolition Permit #815149).

Base Flood elevations are assigned (Appendix 7). Flood zone X is described as “areas between the limits of the base flood and the 0.2 percent annual change (or 500 year) flood. (FEMA 2019) The proposed project will comply with the rules and regulations of the National Flood Insurance Program Title 44, Code of Federal Regulations and subchapter B along with City and County, and State rules and regulations.

The finished floor height for the proposed structure is indicated on Sheet A006 of Appendix 2 with the flood elevation labeled to indicate design compliance. In addition, the stamped Elevation Certificate and Flood Fringe District Certification have been included as part of the Building Permit Application for the proposed structure.

The owners will comply with the requirement to submit the post-construction Elevation Certificate.
Figure 15 – Flood Hazard Assessment Tool

Flood Hazard Assessment Report
www.hawaii.org

Property Information

County: Honolulu
TIN Number: 116-6-001-029
Watershed: Aahulal
Parcel Address: 50-246 Mauna Kea Road
Hawaii, HI 96722

Flood Hazard Information

FIRM Index Date: November 05, 2014
Letter of Map Change(s): None
Panel Effective Date: January 19, 2011

Disclaimer: The Hawaii Department of Land Natural Resources (DLNR) assumes no responsibility arising the use, accuracy, completeness, and timeliness of any information contained in this report. Viewers/Users are responsible for verifying the accuracy of the information and agree to indemnify the DLNR, its officers, and employees from any liability which may arise from its use or the data or information.

This property is within a tsunami evacuation zone: YES
For more info, visit: http://www.sld.hawaii.gov/
This property is within a dam evacuation zone: YES (HA-0017, HA-0018)
For more info, visit: http://hawaii.hawaii.gov/sld/

SPECIAL FLOOD HAZARD AREAS (SFHA) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD - The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. SFHAs include Zone A, AE, AH, AQ, V, and VE. The Base Flood Elevation (BFE) is the water surface elevation of the 1% annual chance flood. Mandatory flood insurance purchase applies in these zones:

- Zone A: No BFE determined.
- Zone AE: BFE determined.
- Zone AH: Flood depths of 1 to 3 feet (usually areas of pending); BFE determined.
- Zone AO: Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined.
- Zone V: Coastal flood zone with velocity hazard (wave action); no BFE determined.
- Zone VE: Coastal flood zone with velocity hazard (wave action); BFE determined.
- Zone AD: Floodway areas in Zone AE.

NON-SPECIAL FLOOD HAZARD AREA: An area below moderate risk flood zone. No mandatory flood insurance purchase requirements apply, but coverage is available in participating communities.

- Zone X (X shaded): Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile, and areas protected by levees from 1% annual chance flood.
- Zone X: Areas determined to be outside the 0.2% annual chance floodplain.

OTHER FLOOD AREAS

- Zone D: Unaffected areas where flood hazards are undetermined, but flooding is possible. No mandatory flood insurance purchase applies, but coverage is available in participating communities.
3.5. Hurricane

The project site falls into the Hurricane evacuation zone. The proposed dwelling is to be built with metal connectors to provide a continuous load path between the roof and the dwelling’s foundation.

In the instances of a hurricane, residents at 66-084 Haleiwa Road, Haleiwa and the surrounding areas are advised to seek shelter at Waialua High and Intermediate School at 67-160 Farrington Highway in Waialua.

3.6. Tsunami Evacuation Zone

66-084 Haleiwa Road, Haleiwa is in a tsunami evacuation zone. The designated tsunami refuge area for the Haleiwa Road residents and surrounding areas would be areas designated as extreme tsunami areas and are considered a guideline and should be considered the minimum safe evacuation distance. These areas are along Joseph P. Leong Highway are considered a safe zone (Pacific Disaster Center 2019).

3.7. Earthquake

66-084 Haleiwa Road, Haleiwa is located in an earthquake zone. FEMA earthquake hazard maps show the project site categorized as the seismic design category, which reflects the likelihood of experiencing earthquake shaking of various intensities, as C which means strong shaking can be experienced. Damage would be negligible as the proposed dwelling will be of good design and construction. The foundation, shear walls, framing and structural load paths were designed by a licensed Structural Engineer and comply with applicable building code requirements for life safety to the maximum extent practicable.

3.8. Flora

The project site is primarily void of any landscaping, trees, grasses or plants. There are some common shrubs around the perimeter of the property (Figure 16). The project site is located in the Haleiwa Special Design District and therefore removal and replacement of trees and or foliage on the project site was submitted for approval and a permit for tree removal, which was issued on 1/29/2018 (Appendix 9).

See Figure 19 ‘New & Relocated Trees’ for location of trees on the project site. Upon completion of the proposed dwelling, additional landscaping, driveways and permitted fencing will be installed. This area does not receive enough rain water for irrigation storage and use. Water saving practices would be implemented to conserve water resources such as promoting deeper root growth on lawns by watering once every three days, using hoses with nozzles and watering during early morning or later evening to ensure less water evaporation.
Figure 16 – Existing Landscaping at Perimeter of Property
Under the provision of Section 21-8 20A of the Land Use Ordinance (multiple dwelling units on a single residential district zoning lot) and Chapter 22, Article 7 of the ROH as a condition of issuance of a building permit, land in perpetuity shall be provided or a park dedication fee is required. This fee has been paid (Appendix 8).

3.9. Fauna

The project site is located in an established residential area with typical Hawaii species such as mongoose, mice, rats, domestic dogs, domestic cats and feral cats. Avifauna may include common mynas, doves, finches, cardinals, and egrets. The commercial zone area of the Hale‘iwa Boat Harbor and Waialua Bay (Hale‘iwa Harbor) have had sightings of Brown Boobys, and Laysan Albatross (Figure 17 and 18). The Brown Booby is listed on DLNR’s Species of Greatest Conservation Need and listed as its mature numbers are decreasing and of least concern on the International Union for Conservation List. The Laysan Albatross is listed on DLNR’s Species of Greatest Conservation Need and listed as stable/near threatened on the International Union for Conservation list. The proposed construction of this project will not impact the area in Hale‘iwa Harbor and the Boat Harbor in which these birds have been sighted.

Figure 17 – Brown Booby

Figure 18 – Laysan Albatross

(Photos courtesy of Flickr)

To avoid adverse impacts on night-flying sea birds, such as the shearwaters and petrels, no night time construction activities will be undertaken. The landowners will survey the project area during March-November to determine possible presence or location of nesting areas. Exterior house lighting will be shielded to reduce the potential for interactions between nocturnally flying seabirds and man- made structures. Though the presence of the Hawaiian Hoary Bay has not been confirmed on the site and are uncommon on O‘ahu, the endangered species status mandates protection. Removal or pruning of trees taller than 15 feet will be avoided during the pupping season June through mid September.
3.9.1. Potential Impact and Mitigating Measures

The proposed construction of the dwelling is not anticipated to impact any flora or fauna on the property as the project site is clear of vegetation, landscaping and trees at this time and no small mammals or other species have been visible at the project site.

3.10. Ocean/Water Resource

The project site contains no surface bodies of water or wetlands. The nearest body of water to the project site is Hale‘iwa Small Boat Harbor, which is located opposite the project site separated by Haleiwa Road and a Harbor parking lot with over 100 parking stalls, 2 loading docks, 3 ramps, dryland storage, harbor office, restrooms and 64 berths, along with moorings. The project site is approximately 200 feet to the nearest body of water which is at the Hale‘iwa Small Boat Harbor.

3.10.1. Potential Impact and Mitigating Measures

The proposed construction of the dwelling is not anticipated to impact the ocean or water resources as the project site is not located oceanfront and has a public road, a public parking lot, dryland storage and the physical Harbor and all its infrastructure between it and the project site. Furthermore, the U.S. Army Corps of Engineers conducted a site visit to the subject property and determined the proposed residential development does not require a Department of the Army permit.

3.11. Archaeological, Historical and Cultural Resources

The project site is within 100 feet of a Haleiwa Road guardrail improvement project that was completed in 2012. A report on file in the library of the State Historic Preservation Division for this guardrail project was reviewed and a figure was shown of known archaeological sites in and near the area. These records show the site of the old Haleiwa Hotel and current site of Haleiwa Joe’s restaurant (approximately 1,000 feet from the project site) to have contained remains. Along the shoreline was Anahulu Heiau which was destroyed during the construction of the Hale‘iwa Hotel (Thrum; Archaeology of O‘ahu Gilbert McAllister 1933). An akua stone located in the Hale‘iwa Small Boat Harbor area was removed sometime before 1930 (archaeology of O‘ahu, Gilbert McAllister 1933).

The project site has had excavating of three recorded cesspools and one additional unrecorded cesspool which was found during construction of the existing detached two family dwelling (Appendix 10). The site had a large African Tulip Tree that was approved for removal (Figure 19). The roots were also excavated (Figure 20). In addition, two individual wastewater systems have been approved for the property and have been installed with further excavating for the installation work. The project site had been a residential urban zoned parcel and has had three residences on it since the 1940’s (Figure 4). There has been excavating on the parcel...
throughout the years. With the construction of the proposed detached two family dwelling approximately 12 inches of the ground will require grading for footings.

No adverse impact to archaeological, historical or cultural resources are anticipated because all past disturbances of the ground have found no resources present.

A submission for submittal form HRS 6E was made to the DLNR Archaeology Branch and a response was received stating the State Historic Preservation Division (SHPD) issued their determination that no historic properties are affected for the current project, and the permit issuance process may proceed.

In March and June 2021, Jayneen Souza with Kamehameha Schools was contacted as part of the ongoing effort to produce a cultural assessment. No responses have been received as of this time. The Applicant also spoke with Ka‘ahiki Solis Hawaiian Studies department at University of Hawaii at Manoa in March of 2021. She recommended the Applicant speak with someone from the community to address OHA’s initial letter. As a result, the Applicant has contacted two additional individuals from the North Shore community, in March 2021, again in May 2021, and again in June 2021. The applicant will continue to reach out, however at this time, no response to these inquiries have yet been received. The Applicant will follow up with OHA as soon as they have information to provide.

3.11.1. Potential Impact and Mitigating Measures

No adverse impacts to archaeological, historical or cultural resources are anticipated because no resources are present. This site has been used for residential multi-family dwellings for over 70 years. The property has been excavated, graded and filled over this time period for the installation of three of record cesspools and one unrecorded cesspool (Appendix 10). Recently two individual wastewater systems have been installed. There will be no effect on any traditional cultural practices as none are known to be associated with or have been found on this site.
4.0 PUBLIC SERVICES—POTENTIAL IMPACTS AND MITIGATION MEASURES

4.1. Access, Roadways, Easements

The project site is accessed from Haleiwa Road. This is the only access roadway to the project site. Haleiwa Road itself is accessible via Kamehameha Highway, Waialua Beach Road and Paalaa Road.

At this time, the project site is surrounded with fencing and a dust barrier with a chain link gate approximately 45 feet across. This chain link gate allows access onto the site for construction equipment, construction vehicles, transportation vehicles, delivery trucks and can accommodate any large vehicle with ease. The project site is over 15,000 square feet, barren and has parking for all vehicles, therefore the likelihood of any work impacting the flow of vehicular traffic or cause lane closures on City streets and roads is highly unlikely. If the Department of Transportation does require any permits for transportation of oversized and/or overweight materials on State highway facilities, all necessary permits will be acquired to comply, although oversized/overweight materials are not required for the proposed project.

In May of 2017, the previous owner of the project site, Edward Fettig, entered into an agreement to grant a 135 sq. ft. easement to the parcel located behind the project site (TMK 6-6-001-016) to widen the flag driveway that runs along the west side of the project site (See ‘Easement A’ on Appendix 11). This driveway consists of dirt and rocks. The owner of that parcel at the time the easement was granted was Kay Ogdemil. This easement allows the dirt flag driveway to be widened approximately 3 feet fronting Haleiwa Road. An easement was granted to Hawaiian Electric Company (HECO), per their requirements, for future overhead wires if the subject property was to be subdivided. Under current zoning laws, a subdivision of this parcel would not be possible, however Hawaiian Electric demanded the 264 sq. ft. easement, which the current owners gave, and which was recorded by HECO. (See ‘Easement’ on Exhibit A and B of Appendix 3).

A street usage permit will be obtained from the Department of Transportation Services if construction related work requires the temporary closure of any traffic lane.

4.2. Noise and Air Quality

Existing noise levels in the vicinity of the project site are consistent with the surrounding residential and commercial uses. The air quality is rated as “Good” based on the air quality index data provided by the Hawaii Department of Health Environmental Health. Brief and minor adverse results to noise levels and air quality may occur during construction from the use of construction equipment. However, given the small scale of the project, these, if any adverse effects, are not expected to be substantial. No mitigation is required.
Potential short-term air quality impact could result from the proposed construction project at the site: a) fugitive dust from vehicle movement and soil excavation and b) on-site/off-site emissions from moving construction equipment. State of Hawaiʻi Air Pollution Control regulations prohibit visible emissions of fugitive dust from construction activities at the property line. Most of the property will remain unaffected by the proposed action, with the existing vegetated areas remaining largely intact. In the limited work areas, a dust control program will be implemented to control dust from construction activities. Any dust emission will be controlled through the mitigation measures such as watering active work areas, using wind screens, keeping adjacent paved roads clean, covering open-bodied trucks and limiting the area to be disturbed at any given time.
Reason for tree removal or relocation:

1. AFRICAN TULIP
   Invasive root system is affecting neighboring cesspools + leach beds. It also conflicts with future proposed dwelling to be permitted at a later date, within 1 year of current project start date.

2. PALM
   Tree is dead.

3. NORFOLK PINE
   Tree is located in proposed (N) driveway location.

4. PALM
   Tree is located in proposed (N) structure location.

5. PALM
   Tree is located in proposed (N) structure location.

6. NORFOLK PINE
   Tree is located in proposed (N) structure location.

NOTE: TREES VISIBLE FROM HALEIWA ROAD ARE SHOWN ON SITE PLAN.

Site plan - (E) trees

Figure 19 – Special District Permit (New & Relocated Trees on next page)
NEW & RELOCATED TREES:
ALL NEW TREES TO BE MIN. 2’ DIAMETER

#1 - NORFOLK PINE
#2 - PALM
TO REPLACE DEAD PALM
#3, #4 - (E) PALMS
(E) TREES RELOCATED
#5, #6 - NORFOLK PINES
4.3. Water

There is currently existing water service to the site as there were previous residential dwellings on the property and there is currently a new existing detached two family dwelling on the property. The project plans will be submitted to the Board of Water Supply for comments and approval of proposed water system.

Upon Board of Water Supply review, appropriate changes will be made to the plans to satisfy any comments issued for the project to ensure proper use of all the infrastructural work.

At this time, there is no landscaping or turf on the property. There is crabgrass, California grass and a small paradise palm. The property landscape planning and design will be such that the turf areas will be limited to yard areas for each unit. Approximately 600 sq. ft. of a drought tolerant grass such as zoysia grass shall be installed. No inground sprinkler system is planned for installation. Garden hoses at the property shall have nozzles to regulate water flow and
unnecessary running of water using only as needed for plant and lawns. Ground plants that will be planted will be selected to minimize water use and shall be low maintenance, as for example, Hibiscus, maiapilo, or whiskfern.

All toilets installed shall be Kohler Water Sense products which will use 1.6 gallons of water or less per flush. Showerheads that shall be installed will be Delta low-flow showerheads which will form streams of water and will provide more accurate temperature control and will provide a low flow rate of no more than 2.0 gallons per minute.

The kitchen sink faucet and all bathroom sink faucets shall be Delta brand which have a flow rate of 1.5 gallons per minute or less.

The existing detached two family dwelling has had these water saving products described above installed by licensed plumbing professionals and the proposed new detached two family dwelling shall have the same.

4.4. Wastewater

At this time, the Haleiwa North Shore community is not connected to any underground sewer network lines. The proposed detached two family dwelling and the existing two family dwelling will include and has an on-site individual wastewater disposal system consisting of a 1,500 gallon septic tank and a 12 x 25 (300 square feet) leach field. The wastewater disposal system has been approved (Appendix 4) by the wastewater branch for installation and the wastewater disposal system has been installed per installation instructions and requirements.

4.5. Drainage

The existing site is flat and level with sloping of only fractions of an inch (Appendix 11).

Percolation test results completed for the installation of the approved individual wastewater systems confirm satisfactory drainage on the project site. The site evaluation/percolation tests done at a depth of three feet, showed 12 inches of water seeping away in 10 minutes.

Wastewater will flow into two leach fields which has been installed with infiltrator chambers covered in geotextile filter fabric covered in natural/native backfill and set in natural native soil. Stormwater will be channeled off of impervious surfaces, such as the rooftops by way of rain gutters and downspouts which redirect stormwater to pervious areas for absorption on the property itself.

Added landscaping, ground cover and plants will provide further absorption if unusual stormwater runoff or excessive water should infiltrate the site. Stormwater runoff will be minimally affected since 90% of the impervious surfaces created by the project – such as roofs with rain gutters and downspouts, gently sloped driveway and walkways to direct runoff to pervious areas on the property – will aid in natural irrigation of any lawns, landscaping or trees. The
proposed landscape design provides 50% of impervious surface on the lot, which meets the current Residential Storm Water Management Plan requirements. The storm water quality review fee will be submitted as required by City and County of Honolulu and the any necessary inspections will be conducted as required.

4.6. Infrastructure Potential Impact

The project site has existed as residential multifamily dwellings for over 70 years in the community. Construction plans of the project will be submitted as required and connections for services will be processed through the required agencies, such as the Board of Water Supply, Hawaiian Electric and any others as required.

4.7. Public Services and Facilities

The proposed project site is in the districts of Haleiwa Elementary School which is located at 66-505 Haleiwa Road, Waialua Intermediate and Waialua High School which are located at 67-160 Farrington Highway, in Waialua. O’ahu has a number of private schools, however none within the Haleiwa area.

Haleiwa is located in the Honolulu Police Department Patrol District 2 Wahiawa/North Shore and the sub station is located at 330 North Cane Street, Wahiawa. The main police station is located at 801 South Beretania Street, in Honolulu.

4.8. Fire and EMS

Fire presentation, protection and suppression services for Haleiwa are provided by Fire Station 14, Waialua Fire Station at 66-420 Haleiwa Road, Haleiwa. There is an EMS sub station at this station. The main Honolulu Fire Department station is located at 636 South Street, Honolulu.

The proposed project plans and drawings shall be submitted as required per the permitting process for review, comments and approval by the Honolulu Fire Department and the residential dwelling shall comply with all National Fire Code (UFC) and the ROH Chapter 20 Article 3 Section 20.3.1

4.9. Medical

Haleiwa is serviced by several privately owned medical and dental clinics. The nearest major medical facility to 66-084 Haleiwa Road is located at Wahiawa General Hospital, 128 Lehua Street, Wahiawa.

4.10. Recreational Facilities

There are numerous recreational facilities in very close proximity to the project site. Ali‘i Beach Park is less than 300 feet away. In addition, other recreation areas include Hale‘iwa Beach Park, Waialua District Park, Kaiaka Bay Beach Park. The public swimming pool is located at Waialua
District Park, along with public tennis courts and a public gymnasium. The local library is Waialua Public Library located at 67-068 Kealohanui Street, in Waialua.

4.11. Electrical and Telephone

The property obtains electrical service from Hawaiian Electric Company (HECO). The utility pole is in place in front of the property for overhead electrical access to the proposed project. No extensive new electrical infrastructure will be required. Any electrical easements for installation of overhead lines required by HECO will be granted by the owner for allowance of such overhead lines. Energy Star appliances will be installed to minimize impacts on the O‘ahu power grid. Telephone service is obtained via Hawaiian Telcom. Access to the utility pole is in the front of the property also and would be connected via overhead wires from the existing utility pole. No extensive telephone infrastructure will be required.

4.12. Land Type

The site and surrounding area of Haleiwa fall under the State Land Use designation of urban and commercial. The City and county of Honolulu classify the site as R-5 Residential. The area also falls into the City and County of Honolulu Lan Use Ordinance and is classified as Haleiwa Special District which ensures development to perpetuate and enhance the rural character of the existing community, by ensuring that all new development be compatible in design, landscaping and painting. Under the classification of Agricultural Lands of Importance to the State of Hawaii (ALISH) the project site is not suitable for agriculture and therefore does not have an ALISH designation.

4.13. Site Lighting

The site lighting design will follow the requirements set forth in HRS 205A-30.5(a), 205A-2(c)(10) and Haleiwa Special Design District design guidelines. The site lighting will contain no artificial light from floodlights, uplights, or spotlights used for decorative or aesthetic purposes which directly illuminates the shoreline and ocean waters or is directed to travel across the property boundaries toward the shoreline and ocean waters. The exterior lights that have been selected are downlight exterior sconces that complement the character of the architecture of the district. The lighting will be subdued to avoid glare to surrounding properties.


Based on site inspections, recorded previous use, and recent construction activity on the project site, no known hazardous substances or conditions have been encountered nor are expected to be encountered during construction.
4.15. Construction

4.15.1. Construction Mitigation Measures

Dust control measures will be applied to minimize dust emissions. Dust barriers will be installed along with watering the ground to minimize loss of soil. All construction equipment will be properly maintained to perform at maximum efficiency. The construction activity will be conducted during the work hours of 8:00 am to 5:00 pm.

In order to minimize the possibility of spill hazards during construction, emergency spill treatment, storage, and disposal of all hazardous materials will be explicitly required to meet all State and County requirements and the “Best Management Practices” for hazardous materials shall be adhered to:

- Onsite storage of the minimum practical quantity of hazardous materials necessary to complete the job
- Fuel storage and use will be conducted to prevent leaks, spills, or fires
- Products will be kept in their original containers if possible, and original labels and safety data will be retained
- Manufacturer’s instruction for proper use and disposal will be strictly followed and will adhere to all applicable regulations
- Onsite vehicles and machinery will be monitored for leaks and receive regular maintenance to minimize leakage
- Construction materials, petroleum products, waste, debris, herbicides, pesticides, and fertilizers will be prevented from blowing, falling, flowing, washing or leaching into the watershed
- Fueling of construction equipment will be restricted to areas designated for that purpose and protected against spills. Drip pans or absorbent pads will be placed under vehicles/equipment if being fueled in areas other than impervious surfaces
- All vehicles that regularly enter and leave the site will be fueled off-site
- All spills will be cleaned up immediately after discovery, using absorbent materials that will be properly disposed of
- Regardless of size, spills, of toxic or hazardous materials will be reported to the appropriate governmental agency
- Should spills occur, the spill prevention plan and clean up procedures will be adjusted to include measure to prevent spills from reoccurring

There is one existing detached two family dwelling on the site. Household solid waste is being generated and solid waste disposal is taking place on the site.

4.16. Solid Waste Management

There is one existing detached two family dwelling on the site. Household solid waste is being generated and solid waste disposal is taking place on the site.
4.16.1. Potential Impacts and Mitigation Measures

The project will result in the generation of general solid waste; initial solid waste will be related to construction, and ongoing solid waste will be household-related. Waste management services are to be provided by the City and County of Honolulu, Residential Refuse Collection Service. Construction wastes are expected to be minimal since the site will require no demolition of existing structures. General City recycling practices will also be maintained by the landowner to promote the collection of reusable and recyclable materials to maximize waste diversion and minimize disposal.
5.0 SOCIO-ECONOMIC CHARACTERISTICS

5.1. Potential Impacts:

The proposed new detached two family dwelling is replacing a detached two family dwelling and a single family dwelling that were all occupied long term by residents of the Haleiwa community. It is anticipated that two families will occupy the dwellings as long-term tenants and will contribute to the community’s economy and enrollment in local schools. No significant impacts to any existing facilities or services provided by the State and City and County are anticipated.

5.2. Population

According to the United States Census Bureau 2010 census poll the population of Haleiwa is 3,970. The proposed new two family dwelling, along with the existing two family dwelling would constitute a total of 4 dwellings which would add a total of one additional dwelling unit to the project site that has had three total dwelling units on it for over 70 years. The proposed project will not pose any significant impact on the local population.

5.3. Economy

Haleiwa town is the economic hub of the North Shore with the largest commercial center in North Shore area. Residents in Haleiwa are more likely to travel into Honolulu for employment and the average income is considered average in comparison with those in communities in close proximity.

5.4. Neighborhood Impacts

While no impact to the local transit or emergency services is expected, the area representatives, neighborhood board, area residents, businesses, emergency personnel (fire, ambulance, and police), Oahu Transit Services, Inc (TheBus and TheHandi Van, etc.) will be kept apprised of any impacts the project may have on adjoining local street area network – should any occur.
6.0 LAND USE CONFORMANCE

6.1. State and Land Use Law, HRS Chapter 205

The Hawaii Land Use Law Chapter 205, Hawaii Revised Statues (HRS) establishes the State Land Use Commission (LUC) and authorizes this body to classify all lands into one of four districts: Urban, Rural, Agricultural and Conservation.

This project is located with the State Land Use Urban District. The counties primarily have jurisdiction over urban lands through their land use ordinances and regulations. Private residences are a permitted use in the State Land Use Urban District and are therefore consistent with the existing State Land Use classification.

6.2. Coastal Zone Management Act, Chapter 205A, Hawaii Revised Statues

The Hawaii Coastal Zone Management objectives and policies have been put into place for effective management, use and development of our coastal zones and to protect the coastal resources. The state of Hawaii was one of the first state to participate in the national CZM program. In 1974 the Department of Planning and Economic Development, received the first federal planning grant and began the CZM program development (Hawaii Coastal Zone Management Program Document 1990), and federal approval in 1978. Hawaii’s CZM law establishes ten objectives for coastal management.

- managing development
- economic uses
- public participation
- coastal hazards
- beach protection
- recreational resources
- historical resources
- scenic and open spaces
- coastal ecosystems
- marine resources

Both two family dwellings have and will consider the objectives and policies as set forth in the CZM program.

- Through the environmental assessment process, the short and long term impacts of the proposed dwellings shall be presented to the general public to facilitate public participation as part of the EA process to help communication, public participation in the management of development in the CZM areas.
• The proposed dwellings will provide much needed residential housing that is building to current safety codes and state regulations. The proposed 2 family residential dwelling and the existing 2 family are appropriately located in areas designated as residential and with new homes, property assessment values will generate greater tax dollars to our economy.

• Through the EA process public participation is encouraged contact of the surrounding property owners for their input, concerns, and comments.

• The proposed and existing dwellings comply with the requirements of the Federal Flood Insurance Program, State of Hawaii requirements and the site itself has not been altered to ensure stormwater and runoff will stay primarily on the property with the placement of landscaping and pervious pavers.

• The new and existing dwellings do not impact the shoreline setback, have no private erosion seawalls, and have no vegetation that would interfere or encroach with a beach transit corridor.

• Upon commencement of the construction of the proposed second 2 family dwelling, protection of the coastal resources will be considered with the site perimeter control of erosion and sediment, with the use of biosocks, dust screens, and the covering of soil materials.

• The HRS 6E submittal form/application along with 12 site photos, survey map, plat map, septic system plans and stamped set of plans has been sent to the State Historic Preservation Division of the Department of Land and Natural Resources was submitted on March 26, 2020. Prior to that date, a review of documents filed in the SHPD library in Kapolei appeared to show there are no manmade historic or prehistoric resources bordering or on the property to be found. Due to the COVID-19 pandemic, the offices are closed to the public. Response time will be slow, so no official responses or reviews have been received at this time.

• The proposed dwelling site shall be developed to be compatible with the surrounding environment and it does not alter any natural landforms. A wooden and moss rock wall and gate have been permitted and installed and reflect the image historic Anahulu bridge and have added a visually appealing look along Haleiwa Road (Figure 7). In addition, landscaping (Figure 21) will be installed to enhance the property in accordance with the Haleiwa Special District requirements which require the front yard setbacks to be landscaped with trees of Haleiwa Special District requirements and maintain the rural character.

• The proposed detached two family dwelling and the existing detached two family dwelling are not built or shall not be built in such a way to impact any streams or channels that would disrupt coastal ecosystems. Stormwater from the property will be managed with rain gutters, diverters and open space on the property itself for penetration into pervious areas to avoid causing coastal hazards.
This proposed detached two family dwelling and the existing dwelling is not anticipated to impact the development of marine and coastal resources. It is not anticipated to promote research, study or understanding of ocean processes or marine life.

6.3. City and County of Honolulu General Plan

The City and County of Honolulu General Plan is a statement of long-range social, economic, environmental, and design objectives for the people of O’ahu to achieve for their general welfare and prosperity. It is a statement of the broad policies which the City and County government believes are necessary to carry out in order to meet the objectives of the Plan. This proposed project supports these objectives and is thus consistent with the general plan.

The Regional Development Plans provide the vision and implementing policies and guidelines for the eight regional areas. They guide the City land use approvals and infrastructure improvements and private sector investment decisions. The Sustainable Communities Plan for the North Shore implements the general plan policy of sustaining modest development patterns and the rural character. The proposed project supports these goals and is thus consistent with the Regional Development Plan and the Sustainable Communities Plan.

The proposed project supports and is consistent with the following objectives of the areas of concern of the General Plan:

Population

-Objective C To establish a pattern of population distribution that will allow the people of O’ahu to live and work in harmony.

-Policy 3 Manage physical growth and development in the urban fringe and rural areas so that:

  a. An undesirable spreading of development is prevented, and b. Their population densities are consistent with the character of development and environmental qualities desired for such areas. This project will be replacing a previously existing multi-family development, which was non-conforming to current building standards. This project would create an increase to the population to the rural area of the North Shore, however it would be an increase of one dwelling unit based on the cumulative count of dwellings previously on the property.

Natural Environment

-Objective A To protect and preserve the natural environment.

  -Policy 1 Protect O’ahu’s natural environment, especially the shoreline, valleys, and ridges from incompatible development. Policy 4 Require development projects to give due
consideration to natural features such as slope, flood and erosion hazards, water-recharge, areas distinctive land forms and existing vegetation.

-Policy 6 Design surface drainage and flood-control systems in a manner which will help preserve their natural settings.

The development site is an in-fill parcel which has proven to be compatible with residential development. The parcel is flat, level ground which has minimal stormwater runoff and erosion, therefore highly suitable for development with little impact on the natural environment.

**Housing**

-Objective A To provide decent housing for all the people of O'ahu at prices they can afford.

-Policy 11 Encourage the construction of affordable homes within established low-density communities by such means as “Ohana” units, duplex dwellings, and cluster developments.

-Policy 12 Encourage the production and maintenance of affordable rental housing.

-Policy 14 Encourage equitable relationships between landowners and leaseholders, between landlords and tenants and between condominium developers and owners.

This project will be providing economical housing as it is being developed as 2 family dwellings (duplex dwellings) The development will be maintained as long term rental housing which is much needed for families in the North Shore community. This development will be providing new homes which conform with current State of Hawaii safety codes and building standards and the existing and new dwellings will be much desired as many homes in the North Shore community fall short when safety and age are concerned. The landlord will be able to provide quality housing at rental rates that will encourage long term residency and establishment in the local community by the tenants.

-Objective C to provide the people of O’ahu with a choice of living environments which are reasonably close to employment, recreation, and commercial centers and which are adequately served by public utilities.

-Policy 3 Encourage residential development near employment centers.

The town of Haleiwa is considered the economic hub of the North Shore (North Shore Chamber of Commerce) with employment opportunities for people who require or prefer to work in the community they reside in. The proposed residential development is in close proximity to Haleiwa town, residents could walk or bike to work, be quickly accessible to families and avoid hours of freeway commuting.
Transportation & Utilities

-Objective A To create a transportation system which will enable people and goods to move safely, efficiently, and at a reasonable cost; serve all people, including the poor, the elderly, and the physically handicapped; and offer a variety of attractive and convenient modes of travel.

-Policy 11 Make public, and encourage private, improvements to major walkway systems. The development site allocates to the City and County of Honolulu approximately 8 feet of the parcel itself fronting Haleiwa Road to be developed and used a public bike/foot path.

-Objective B To meet the needs of the people of O’ahu for an adequate supply of water for environmentally sound systems of waste disposal.

-Policy 4 Encourage a lowering of the per-capita consumption of water and the per-capita production of waste.

-Policy 5 Provide safe, efficient, and environmentally sensitive waste-collection and waste-disposal services

The existing detached two family dwelling and the proposed new detached two family dwelling have water saving low flow toilets and water saving showerheads. The installation of IWS to replace the environmentally hazardous cesspools, which had been servicing the previous three dwellings, will provide safe and environmentally friendly waste disposal.

Energy

-Objective E To establish a continuing energy information program

-Policy 3 Keep consumers informed about available alternative energy sources and their costs and benefits.

Residents of the proposed and existing detached two family dwellings will be provided with Energy Star appliances. A monthly notice provided that tracks energy usage will be available also (mailed monthly).

Physical Development and Urban Design

-Objective D to maintain those development characteristics in the urban-fringe and rural areas which make them desirable places to live.

-Policy 4 Maintain rural areas as areas which are intended to provide environments supportive of lifestyle choices which are dependent on the availability of land suitable for small to moderate size agricultural pursuits, a relatively open and scenic setting, and/or a small town, country atmosphere consisting of communities which are small in size, very low density and low rise in character, and may contain a mixture of uses.
Policy 6 provide special design standards and controls that will allow more compact development and intensive use of lands in the primary urban center.

Objective F to promote and enhance the social and physical character of O’ahu’s older towns and neighborhoods.

Established in the late 1800’s, Haleiwa town tries to retain the feel of a rural plantation town. The characteristics of the proposed development will retain the small town feel, intended to preserve Haleiwa’s rural low-rise, human scaled form. The proposed structure is designed with this in mind, it is low rise, and offers a country feeling with board and batten siding on the exterior walls, and perimeter fencing that reflects the environment, with moss rock posts, and a gate which reflects the Historic Anahulu bridge. The development adheres to the Haleiwa Special District Guidelines as set forth in the ROH Chap 21-9.90 to further ensure the development will be compatible to the character of the town.

The approved and installed fencing fronting Haleiwa Road was built with the use of the old deteriorating rock wall stones, which were reset and rebuild, but maintains characteristics of a well established fence.

Public Safety

Objective B To protect the people of O’ahu and their property against natural disasters and other emergencies, traffic and fire hazards, and unsafe conditions.

Policy 2 Require all developments in areas subject to floods and tsunamis to be located and constructed in a manner that will not create any health or safety hazard. Policy 7 Provide adequate fire protection and effective fire prevention programs.

The proposed detached two family dwelling and the existing detached two family dwelling will be and have been designed and constructed to meet all City and County of Honolulu requirements along with State of Hawaii requirements and federal requirements for residences built in areas deemed as flood and tsunami zones. The dwellings have fire detection devices installed as required by the City and County of Honolulu.

Culture and Recreation

Objective B To protect O’ahu’s cultural, historic, architectural, and archaeological resources.

Policy 2 Identify, and to the extent possible, preserve and restore buildings, sites and areas of social cultural, historic, architectural and archaeological significance.

The State Historic Preservation Division determined no historic properties were affected.
The North Shore Sustainable Communities Plan is one of eight community-oriented plans to help guide public policy, investment and decision making over the next 25 years. Each plan addresses one of eight planning regions on O‘ahu, responding to specific conditions and community values in each region.

The plan relating to the North Shore is entitled “Sustainable Community Plans” with an envisioned goal for the region to remain relatively stable, and oriented toward maintaining and enhancing the region’s ability to sustain its suburban and/or rural character and lifestyle.

The project is within the community growth boundaries (areas designated as rural in the GP) which manage future development or redevelopment and preserves areas outside of the boundary for agriculture or other resource or open space values. The project is on an infill lot in a previously developed parcel.

The project facilitates the country lifestyle by adhering to the Haleiwa Special District guidelines by landscaping with specific plants (hibiscus, loulu palms) and adding to the scenic qualities of the area with an installation of a fence made with reused rocks from the site’s previous rock wall, a decorative rendering reflecting the iconic Anahulu bridge and the building colors are in keeping with the requirements of the Haleiwa Special District guidelines (dusty olive and forest green). The project will provide affordable housing for area residents and allows easy accessibility to these residents who desire to live and work in a rural community.

The project will help maintain Hale‘iwa as a “country town” as the development is part of the mix of commercial, and residential that reflects the rural landscape of the community of Hale‘iwa.

6.4. City and County of Honolulu Land Use Ordinance and Zoning

**Land Use**

The City and County of Honolulu Land Use Ordinance (LUA) regulates land use in accordance with the adopted land use policies, including the O‘ahu General Plan and Development Plans. The provisions are also referred to as the zoning ordinance. Zoning designations are shown on the zoning map (Figure 21). As stated in the Office of Environmental Quality Control (OEQC) the project is subject to the Revised Ordinances of Honolulu (ROH) Chapter 25, which is pursuant to HRS Chapter 25 and applies to lands within the SMA. This project shall comply with all applicable provisions of Chapter 25.

**Zoning**

The project site is zoned R-5 Residential. The LUA states the purpose of the residential district is to allow for a range of residential densities. The intent of the R-5 districts is to provide areas for urban residential development. This district would be applied extensively throughout the
island of Oʻahu. Per the Land Use Table 21-3.2 Residential Districts (Figure 22), permitted use allows for detached two family dwellings and other permitted uses with a minimum lot size of 7,500 square feet. This lot is 15,984 square feet. The net square footage of the lot is 15,585 sq. ft. exclusive of the two easements described in paragraph 4.1. The property setbacks are those applicable to residential lots, 10 feet setback on the front and 5 feet setback on the side and rear. The maximum building area of the lot is 50% of the net lot area, or 7,792.5 sq. ft. The existing detached two family dwelling and the proposed two family dwelling will cover 5,036 square feet, which is less than 50% of the net lot area. The maximum height is 25-30 feet and the height setbacks are same as in all the other residential zoned districts. All the proposed new construction falls within the lot boundaries. The existing detached two family dwelling is 23 feet in height. The proposed construction on the property will be of identical design as the existing detached two family dwelling and will also be 23 feet in height and will comply with the intent and use of the R-5 district.

To comply with the development standards set forth in ROH, Chap 21 Section. 21-3.70-1 the proposed detached two family dwelling and existing detached two family dwelling are permitted under the parcel’s classification as R-5 zoning district, two family dwelling per 7,500 square feet of land. The building envelope of the buildings are approximately 3 feet below the maximum height requirement of 25 feet. The portion of the structure exceeding 15 feet has been and will be set back to meet the development standards (Appendix 2).

The existing and proposed detached two family dwelling are designed to preserve and enhance Haleiwa’s rural character and are compatible with and complement the buildings within the Special Design District. The architectural features include a wrap-around roof along the first floor to create a more human scale to the two story dwellings, and board and batten siding to reflect the rural character of the town. They also feature subdued materials and plantation color schemes in light neutral tones to better blend with their surroundings.

Detached dwellings and duplex units are exempt from the requirements of the Haleʻiwa special district (Ch.21 LUO Sec.21-9.90-5) except subsections (d)(3), (d)(4) and (d)(5) relating to landscaping, subsection (f)(2) relating to roofs, and subsection (f)(4) relating to railings, fencing and walls.

Subsection (d)(3), (d)(4) and (d)(5) relating to landscaping shall meet the requirements set forth by the Haleʻiwa Special District by installation of plants similar to Loulu Palms. Some landscaping/trees have been removed with review and approval (Appendix 9) and shall be replaced with approved plants.

Subsection (f)(2) roofs is applicable to roofs visible from Kamehameha Highway and therefore not applicable to this project.

Subsection (f)(4) Railings, fences and walls, requirements have been met based on the minimum setback of 18 inches, a refined detailing and a moss rock wall (Figure 7).
Landscape Notes:
1. Wood chip mulch below all shrubs
2. Watering times limited to early mornings
3. Minitor Hibiscus for gall wasp

LEGEND:
CONCRETE, ALL WEATHER SURFACE
GRASS

Figure 21 – Proposed Landscaping
Figure 22 - Parcel and Zoning Information
6.5. Special Management Area

This project in Haleiwa is located within the island of O‘ahu’s Special Management Area (SMA) which extends from the shoreline and inland mauka 17 miles (Figure 23) Development within the SMA valued in excess of $500,000 requires a Special Management Area use permit.

SMA guidelines (Section 25-3.2, ROH) are used for the review of development proposed in the SMA. The impact of this project relative to the SMA guidelines is found to be minimal. Two IWS have been approved and installed to replace the antiquated cesspools that existed on the project site. This will have a positive impact by eliminating the flow of waste into nearby coastal waters. The potential cumulative impact of this development is anticipated to be minimal as it is replacing a previously existing development of three family dwellings. The existing and proposed detached two family dwellings will not reduce any size of the beach or other area usable for public recreation, reduce or impose restrictions upon public access to tidal or
submerged lands, beaches, rivers, streams within the SMA, will not detract or interfere with the line of sight toward the sea from the highway near the coast, adversely affect fisheries, fishing grounds, wildlife habitat or potential or existing agricultural uses of land. This project will not have any dredging, filling or other that would alter any bay, estuary, marsh, river mouth or lagoon if any were nearby. A finding of no significant impact is anticipated.

*Figure 24 – Special Management Area*

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**haleiwa harbor**
6.6. Findings Supporting Anticipated Determination

Determination

The applicant expects that the Department of Planning and Permitting will determine that the proposed project will not alter the environment; that an impact will be minimal, and that agency will issue a Finding of No Significant Impact (FONSI). This determination will be reviewed based on the analysis of environmental impacts of the Draft EA, taking into consideration comments to the Draft EA.

Findings and Support

1. **Irrevocably commit a natural, cultural, or historic resource.** No valuable natural or cultural resource would be committed or lost. The property is void of any native foliage or fauna, with a few non-native trees and bushes. No native eco-systems would be adversely affected. No adverse impact upon endangered species would occur. Due to the prior residential development of the property over the past 70+ years no historic sites are present on the property or would otherwise be affected. No valuable cultural resources and practices such as shoreline access, hunting, gathering, or access to ceremonial sites would be affected in any way.

2. **Curtail the range of beneficial uses of the environment.** No restriction of beneficial uses would occur by the residential use of this project site.

3. **Conflict with the State’s environmental policies or long-term environmental goals established by law.** The State’s long-term environmental policies are set forth in Chapter 344, HRS. The broad goals of this policy are to conserve natural resources and enhance the quality of life. This proposed project is environmentally benign, and it is thus consistent with all elements of the State’s long-term environmental plans.

4. **Have a substantial adverse effect on the economic welfare, social welfare, or cultural practices of the community and the State.** The project would not have any substantial effect on the economic welfare, social welfare, or any adverse effect on cultural practices of the Haleiwa, North Shore community or the State of Hawaii.

5. **Have a substantial adverse effect on public health.** The project would not affect public health and safety in any way. Wastewater will be disposed of in conformance with the State Department of Health.

6. **Involve adverse secondary impacts, such as population changes or effects on public facilities.** The proposed project is small in scale, it would not produce any adverse secondary impacts, such as population changes, or adverse effects on public facilities.
7. **Involve a substantial degradation of environmental quality.** The proposed project is of such small scale and environmentally benign, it would not contribute to environmental degradation.

8. **Be individually limited but cumulatively have substantial adverse effect upon the environment or involves a commitment for larger actions.** The adverse effects of construction of a detached two family dwelling, which is in addition to the existing two family dwelling, are limited, very minor, and temporary disturbance to traffic, air quality, noise, and visual quality during construction. Long term use of the residences will not result in significant adverse short or long term environmental impact or involve a commitment for a larger action. The location of this proposed project on a site that has had multiple residential dwellings and residents on it continuously for the past 70+ years. An alternative consideration to new construction on this portion of the parcel would be to allow the vacant land to remain unused and unimproved, or used as storage which could create a community issue (unsightliness).

9. **Substantially affects a rare, threatened or endangered species, or its habitat.** Rare, threatened or endangered flora or fauna are not found on the project site.

10. **Detrimentally affects air or water quality or ambient noise levels.** Ambient air quality may be minimally affected for a short term due to dust or combustion emissions during construction but will be controlled by measures stipulated in this Assessment. There may be some construction noise during site preparation work, but it would diminish once the shell work is completed. All construction activities will comply with air quality and noise pollution regulations of the State Department of Health.

11. **Have a substantial adverse effect on or be likely to suffer damage by being located in an environmentally sensitive area such as a flood plain, tsunami zone, sea level rise exposure area, beach, erosion-prone area geologically hazardous land, estuary, fresh water, or coastal waters.** The proposed detached two family dwelling and existing detached two family dwelling are located in a flood zone, tsunami zone and an area designated as Special Management Area and managed by the Coastal Zone Management program. The primary impact that can cause damage to the project would be sea level rise or flooding. The dwellings have been designed, built, and will be built in accordance with the requirements set forth by Revised Ordinances of Honolulu (ROH) Chapter 21A Flood Hazard Areas. The dwellings will be raised so that if there were flooding or sea level rise the waters can flow through the property without damage or substantial damage to the dwelling themselves.

12. **Have a substantial adverse effect on scenic vistas and viewplanes, during day or night, identified in county or state plans and studies.** No scenic viewplanes or vistas are located nearby that would be affected in any way. Minor exterior lighting is planned and it will be shielded to protect dark skies and transiting birds.
13. **Require substantial energy consumption or emit substantial greenhouse gases.** Negligible amounts of energy input and greenhouse gas emission would be required for construction and occupation of the residences. A consideration would be require only CFL lamp in all lighting.
APPENDIX 1 – Approved Building Permit for Existing Dwelling

DEPARTMENT OF PLANNING AND PERMITTING
CITY AND COUNTY OF HONOLULU
550 SOUTH KING STREET • HONOLULU, HAWAII 96813
Phone: (808) 768-8220 • Fax: (808) 768-8111

BUILDING PERMIT
FOR THE PERFORMANCE OF WORK UNDER THE
BUILDING ELECTRICAL, PLUMBING, AND SIDEWALK CODES
CHAPTERS 15, 17, 19, AND 20, RESPECTIVELY, AND UNDER CHAPTER 18
(FEES AND PERMITS) OF THE REVISED ORDINANCES OF
THE CITY AND COUNTY OF HONOLULU

LOCATION

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<td>6</td>
<td>001</td>
<td>029</td>
</tr>
</tbody>
</table>

66-84 HALEIWA RD Haleiwa 96712
15,984 Sq. Ft.

Site Address (if other than primary):

PROJECT:
(BP #823948) [TMK: 66001029] (TPR) MOORE RESIDENCE -- New 2-story two-family detached. New storage. New wood fence @ perimeter with rolling gate @ front.

TYPE OF WORK
Electrical Work: Y Fence: Y New Building: Y
Other: Plumbing Work: Y

RIGHT OF WAY WORK

<table>
<thead>
<tr>
<th>Sidewalk Types</th>
<th>Driveway Types</th>
<th>Cutting Types</th>
<th>Linear Ft. of Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linear Ft. of Sidewalk</td>
<td>Existing: Private: Concrete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Linear Ft. of Driving: 16'-0&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Please notify the Building Inspector listed below at least 24 hours before starting work in the Right-Of-Way.

GENERAL CONTRACTOR
DALE MOORE GENERAL CONTRACTOR
Contact Info: Phone: (808) 634-1197
Lic. No.: CT16074

NOTES

A/C Clauses:
New dwellings or major additions, alterations, or repairs which include the installation of heating or air conditioning equipment shall comply with the roof and wall insulation requirements of the revised Ordinances of Honolulu Chapter 19 Building Code Article 5 Energy Conservation, Section 16-8.3 Envelope Requirements, Paragraph (a) - Residential Buildings Not More Than Three Stories In Height.

Fence Clauses:
All fences shall rest on firm, undisturbed soil and be carried entirely within property. For the work under this building permit, the City shall not be responsible for sudden for any potential drainage problems resulting from the flow of surface water, or the erosion or concentration of surface water runoff on any property. It is a civil matter between affected parties. Gates to swing into property.

DATE ISSUED: 10/23/2018
Location Permit Issued: FMB
Location Application Created: Kapolei

Permission is hereby given to do above work according to conditions herein and according to approved plans and specifications pertaining thereto, subject to compliance with ordinances and laws of the City and County of Honolulu and State of Hawaii.

FOR DIRECTOR OF DEPARTMENT OF PLANNING AND PERMITTING

BUILDING PERMIT
APPLICATION NO.: A2017-09-1319
JobID: 60666527
PERMIT NO.: 823948

Initial Print Date: Tuesday October 23, 2018 9:18 am
ExternalID: 606996515-002
Page 1 of 2
GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH ALL THE APPLICABLE LAWS AND ORDINANCES PERTAINING TO THE PROJECT AND ITS LOCATION.
2. ALL MATERIALS TO BE USED IN THE CONSTRUCTION OF THE PROPOSED CONSTRUCTION SHALL BE IN CONFORMITY WITH ALL THE APPLICABLE LAWS AND ORDINANCES PERTAINING TO THE PROJECT AND ITS LOCATION.
3. THE CONTRACTOR SHALL COMPLY WITH ALL LAWS, REGULATIONS, CODES, AND ORDINANCES PERTAINING TO THE PROJECT AND ITS LOCATION.
4. THE CONTRACTOR SHALL NOT USE ANY MATERIALS THAT ARE NOT IN CONFORMITY WITH ALL THE APPLICABLE LAWS AND ORDINANCES PERTAINING TO THE PROJECT AND ITS LOCATION.
5. THE CONTRACTOR SHALL NOT USE ANY MATERIALS THAT ARE NOT APPROPRIATE FOR THE USE TO WHICH THEY WILL BE PUT.
6. THE CONTRACTOR SHALL NOT USE ANY MATERIALS THAT ARE NOT APPROPRIATE FOR THE USE TO WHICH THEY WILL BE PUT.
7. THE CONTRACTOR SHALL NOT USE ANY MATERIALS THAT ARE NOT APPROPRIATE FOR THE USE TO WHICH THEY WILL BE PUT.
8. THE CONTRACTOR SHALL NOT USE ANY MATERIALS THAT ARE NOT APPROPRIATE FOR THE USE TO WHICH THEY WILL BE PUT.
9. THE CONTRACTOR SHALL NOT USE ANY MATERIALS THAT ARE NOT APPROPRIATE FOR THE USE TO WHICH THEY WILL BE PUT.
10. THE CONTRACTOR SHALL NOT USE ANY MATERIALS THAT ARE NOT APPROPRIATE FOR THE USE TO WHICH THEY WILL BE PUT.
11. THE CONTRACTOR SHALL NOT USE ANY MATERIALS THAT ARE NOT APPROPRIATE FOR THE USE TO WHICH THEY WILL BE PUT.
12. THE CONTRACTOR SHALL NOT USE ANY MATERIALS THAT ARE NOT APPROPRIATE FOR THE USE TO WHICH THEY WILL BE PUT.
13. THE CONTRACTOR SHALL NOT USE ANY MATERIALS THAT ARE NOT APPROPRIATE FOR THE USE TO WHICH THEY WILL BE PUT.
14. THE CONTRACTOR SHALL NOT USE ANY MATERIALS THAT ARE NOT APPROPRIATE FOR THE USE TO WHICH THEY WILL BE PUT.
15. THE CONTRACTOR SHALL NOT USE ANY MATERIALS THAT ARE NOT APPROPRIATE FOR THE USE TO WHICH THEY WILL BE PUT.
16. THE CONTRACTOR SHALL NOT USE ANY MATERIALS THAT ARE NOT APPROPRIATE FOR THE USE TO WHICH THEY WILL BE PUT.
17. THE CONTRACTOR SHALL NOT USE ANY MATERIALS THAT ARE NOT APPROPRIATE FOR THE USE TO WHICH THEY WILL BE PUT.
18. THE CONTRACTOR SHALL NOT USE ANY MATERIALS THAT ARE NOT APPROPRIATE FOR THE USE TO WHICH THEY WILL BE PUT.
19. THE CONTRACTOR SHALL NOT USE ANY MATERIALS THAT ARE NOT APPROPRIATE FOR THE USE TO WHICH THEY WILL BE PUT.
20. THE CONTRACTOR SHALL NOT USE ANY MATERIALS THAT ARE NOT APPROPRIATE FOR THE USE TO WHICH THEY WILL BE PUT.

EXISTING DETACHED TWO FAMILY DWELLING
BP# 823948

This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects").

Expiration Date: 04/30/18
Date: 11/26/18

CITY AND COUNTY OF HONOLULU
REVISED ORDINANCE CHAPTER 32, HONOLULU COUNTY CODE 1990. AS AMENDED
TO THE BEST OF MY KNOWLEDGE, THIS PROJECT'S DESIGN CONFORMS SUBSTANTIALLY TO THE ENERGY CODE FOR:

- BUILDING COMPONENT SYSTEMS
- ELECTRICAL COMPONENT SYSTEMS
- MECHANICAL COMPONENT SYSTEMS

SIGNATURE:
NAME: XIANG YEE
TITLE: STRUCTURAL ENGINEER
LICENSE NO: PE-9373 S
DATE: NOV. 26, 2018

APPENDIX 2 – Proposed Detached Two Family Dwelling Permit Plans
Mr. Dale Moore  
59-589F Ke Iki Road  
Haleiwa, Hawaii 96712

Dear Mr. Moore:

Re: Underground Service Requirements  
Moore Residence  
HECO Project No. 6085147 / 3013028

This is in reply to your request for overhead service and requirements at the above address.

Our Company will provide, install and maintain 90 feet of secondary overhead service, as shown on our enclosed sketch, dated May 30, 2019.

Our Company will make this installation in accordance with Rule No. 14 of our Company’s Tariff as approved by the Public Utilities Commission, which is available on our website at www.hawaiianelectric.com (Billing & Payment / Rates & Regulations / Hawaiian Electric Rules (Island of Oahu) / Rule No. 14).

There will be no charge for our Company’s portion of the work. However, should there be work done during times other than normal working hours, charges will be billed accordingly.

This proposal letter shall be null and void and a new revised proposal letter will require a signature of approval if the electrical infrastructure has not progressed sufficiently to allow our Company to begin its installation by June 2020. Refer to Item 4 of the General Requirements relating to Costs.

A licensed electrical contractor is required to provide and install the following in accordance with Hawaiian Electric’s “Electrical Service Installation Manual” (ESIM):

1. Two 4-jaw, 100-amp combination type meter socket with a main disconnect switch after the meter.

2. One engraved, phenolic label above each meter socket that identifies the unit being served.
3. One ground rod along with a metal water pipe ground with a continuous copper ground wire per Hawaiian Electric ESIM and NEC requirements from the meter socket grounding lug to the ground rod and the metal water pipe.

Important Notes:

The customer shall be responsible for verifying that the proposed Hawaiian Electric design will not conflict with all existing or proposed utilities and other miscellaneous items in the project area.

A City and County of Honolulu electrical permit and inspection release are required. The permit number is to be submitted to our office prior to and/or at the time service is requested.

Hawaiian Electric will not install cables or equipment until construction of the customer's electrical infrastructure is fully inspected and completed per standards, as shown on our sketch, dated May 30, 2019.

All electrical work shall be inspected and approved by Hawaiian Electric and the City & County of Honolulu. Hawaiian Electric’s installation and energizing of electric service will commence only after notice to proceed from the City & County of Honolulu is received.

Any work without prior Hawaiian Electric inspection and approval is subject to condemnation, and it is the customer’s responsibility to insure all facilities are per Hawaiian Electric’s standards at the customer’s cost.

The type of contractor allowed to perform trenching and backfilling for electrical work in the City/State right-of-way must have a contractor’s license with classifications Type A or with the specialty of C-13. For more information about contractor’s licenses, please contact the State of Hawaii’s Department of Commerce and Consumer Affairs at 586-3000.

For your project and schedule planning, the installation and energization of our facilities will be as follows:

Infrastructure/Service Installation

Hawaiian Electric will commence installation of our equipment (transformers, cables, etc.) approximately six to eight weeks after the approval of the underground facilities by our Inspection Department. Energizing of our system will occur approximately five working days after the installation of our equipment has been approved by our Construction & Maintenance Department.
Meter Inspection & Installation

- For self-contained meters, the meter installation will be completed after energizing.

These are typical timeframes. Actual timeframes are based on current work load and resources. Additionally, the proposed schedule may be subject to change due to system emergencies, weather conditions, etc.

Also, there may be several long-lead times or special-order items that may affect the installation and energizing of your project. Please note that transformers and switches may take approximately seven months to procure. We will make every effort to work with you to meet your service date. Please keep us informed as your needs change.

Please note that an easement is required for our facilities and it may take approximately six months to obtain. The easement is to be recorded with the State Bureau of Conveyances prior to scheduling the installation of service. Refer to Item 15 of the General Requirements relating to Easements.

Please signify acceptance of this proposal by an appropriate signature and information in the space provided. We request that the signed original be returned to me in the enclosed, self-addressed envelope to expedite its receipt.

Please correspond directly with me on all matters relating to this project. If you have any questions and/or would like copies of Rate Schedule R and Rule No. 14, please contact me at 543-7522.

Sincerely,

Earl Hobar
Jr. Customer Planner
Planning & Design Department
Customer Installation Division

EH/EK:ci
Enclosure
The original of this proposal letter must be signed and returned before HECO will start to process the necessary paperwork to initiate installation.

**FORECASTS**

Estimated customer installation start date: ____________________________

Estimated date your contractor will be ready for HECO to begin our installation:

____________________________________________________________________

Estimated customer service date for testing: ____________________________

Estimated customer installation completion date: ________________________
TMK: 6-6-01: 29
15,984 Sq.Ft.

AREA OF EASEMENT = 264 Sq. Ft.
IN FAVOR OF HAWAIIAN ELECTRIC COMPANY

MAP SHOWING
DESIGNATION OF EASEMENT
AFFECTING
PARCEL 29
AT HALEIWA, WAIALUA, OAHU, HAWAII
SCALE: 1 IN. = 40 FT.
AUGUST 21, 2019 WALTER P. THOMPSON, INC.
AREA OF EASEMENT = 264 Sq. Ft.
IN FAVOR OF HAWAIIAN ELECTRIC COMPANY

EXHIBIT B

MAP SHOWING DESIGNATION OF EASEMENT AFFECTING PARCEL 29
AT HALEIWA, WAIALUA, OAHU, HAWAII
SCALE: 1 IN. = 40 FT.
AUGUST 21, 2019  WALTER P. THOMPSON, INC.
Roscoe O Ford  
469 Ena Road Apt. 2604  
Honolulu, HI 96815-1713

July 13, 2017

Dear Sir/Madam:

Subject: Individual Wastewater System (IWS) for  
Owner/lessee: Dale Moore  
Project Site: B6-084 Haleiwa Road, Haleiwa, Hi  
TMK: 168001029  
IWS File No.: 58104 (Septic Tank) E-Filed  
Old File No.: N/A

The subject wastewater plans have been reviewed by the Wastewater Branch for conformance to applicable provisions of Hawaii Administrative Rules, Title 11, Chapter 62, entitled Wastewater Systems. The IWS plan conforms to applicable provisions of Chapter 11-62.

As the professional engineer responsible for the design of the above wastewater plan, it is your responsibility to inform the owner/lessee of the property that: a) the IWS plans must be attached to each set of permit construction plans, b) the IWS must be installed by a licensed contractor holding A, C-9, C-37, C-37A or C-43 license, c) inspected and certified by the designing engineer, d) authorized in writing by the Department of Health before use, and e) IWS approval expires in one year without concurrent active building permit.

For new dwellings, the Department of Health will process an applicable county building permit application provided that all information submitted as part of the IWS plan and county building permit application are consistent with each other and meet applicable provisions of Chapter 11-62, HAR at the time of permit application.

For renovation projects that require abandoning the existing cesspool and/or require building modifications to the existing dwelling (require separate permit) to comply with Chapter 11-62, HAR, the new IWS and/or required modifications to the existing dwelling must be completed prior to applying for a County Building Permit for the project. For clarification purposes, the separate building modifications permit to the existing dwelling will be considered completed when the County Building Permit is properly closed for that work.

Should you have any questions, please feel free to contact Shawn Sakoda at 586-4294.

Sincerely,

Sina Pruder, P.E.
Chief, Wastewater Branch
Roscoe O Ford  
469 Ena Road Apt. 2604  
Honolulu, HI 96815-1713

Dear Sir/Madam:

Subject: Individual Wastewater System (IWS) for  
Owner/Lessee: Dale Moore  
Project Site: 38-064 Pa`ieiwa Road, Pa`ieiwa, Hi  
TMK: 166001029  
IWS File No.: 58105 (Septic Tank) E-Filed  
Old File No.: N/A

The subject wastewater plans have been reviewed by the Wastewater Branch for conformance to applicable provisions of Hawaii Administrative Rules, Title 11, Chapter 62, entitled Wastewater Systems. The IWS plan conforms to applicable provisions of Chapter 11-62.

As the professional engineer responsible for the design of the above wastewater plan, it is your responsibility to inform the owner/lessee of the property that: a) the IWS plans must be attached to each set of permit construction plans, b) the IWS must be installed by a licensed contractor holding A, C-9, C-37, C-37a or C-43 license, c) inspected and certified by the designing engineer, d) authorized in writing by the Department of Health before use, and e) IWS approval expires in one year without concurrent active building permit.

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Sincerely,

SINA PRUDE, P.E.  
Chief, Wastewater Branch
TWS COMPONENTS SCHEDULE:

1. CONNECT TO SLG. SEWER, PROVIDE COTS & ALL ACCESS, MAINTAIN 15' Deputy MIN. SLOPE.
2. GRENCO "TRAFFIC RATED" 1,000 GAL. SEPTIC TANK W/ 3 2" RISERS W/ SCREW TYPE CAPS AND MANHOLE COVERS & FIN. SLAB.
3. THE SITE 8-HOUR DISTRIBUTION BOX W/ 6" & 4" RISER W/ SCREW TYPE CAP UP TO FINISHED GRADE.
4. 120" x 24"-0" INFILTRATORS CLUSTER BED, SEE TYP. CROSS-SECTION AND INSTALLATION INSTRUCTIONS.
5. CONNECT ALL ENDS OF INFILTRATORS W/ 4" B SOLID PVC PIPE AT BOTTOM KNOCKOUT.
6. EXISTING CESSPOOLS TO BE PLACED, BACKFILLED AND ABANDONED.

"As Built" 8-17-18

LOT AREA = 15,894 sq. ft.
ZONING: R-6

INDIVIDUAL WASTEWATER SYSTEMS

DALE MOORE
66-084 HALEIWA ROAD
HALEIWA, HI 96712

TMK # 6-6-001: 029
DATE: 7-01-17
DRAWN BY: RICHARD CERVINO
INLAND DESIGNS, LLC
△ REVISED 1-24-18

SP-1
APPENDIX 5 – Approved Demolition Permits

DEPARTMENT OF PLANNING AND PERMITTING
CITY AND COUNTY OF HONOLULU
650 SOUTH KING STREET * HONOLULU, HAWAII 96813
Phone: (808) 768-8220 * Fax: (808) 768-6111

BUILDING PERMIT
FOR THE PERFORMANCE OF WORK UNDER THE
BUILDING ELECTRICAL, PLUMBING, AND SIDEWALK CODES
CHAPTERS 16, 17, 18, AND 20, RESPECTIVELY, AND UNDER CHAPTER 18
(FEES AND PERMITS) OF THE REvised ORDINANCES OF
THE CITY AND COUNTY OF HONOLULU

LOCATION

<table>
<thead>
<tr>
<th>Zone</th>
<th>Section</th>
<th>Plat</th>
<th>Parcel</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>6</td>
<td>001</td>
<td>029</td>
</tr>
</tbody>
</table>

66-84 HALEIWA RD Haleiwa 96712
15,984 Sq. Ft.

Site Address (if other than primary):

PROJECT:
(BP #615149) [TMK: 66001029] MOORE RESIDENCE-DEMO OF EXISTING SFD (LEFT DWELLING) ==SWQI
NEEDED==

TYPE OF WORK
Demolition Y

RIGHT OF WAY WORK

Driveway: New: Existing: Private:
Linear Ft. of Sidewalk: Curbing Types: Driveway Types:
Linear Ft. of Curbing: Linear Ft. of Driveway:

Please notify the Building Inspector listed below at least 24 hours before starting work in the Right-Of-Way.

GENERAL CONTRACTOR
DALE MOORE GENERAL CONTRACTOR
Contact Info: PH: (808) 638-1107, (808) 927-0404
Lic. No.: CT18674

NOTES
Demolition Clauses
The following items are required:
- Demolition Affidavit
- Debris to be removed from premises within 30 days of demolition

DATE ISSUED: 03/19/2018
Location Permit Issued: FMB
Location Application Created: Kapolei

Permission is hereby given to do above work according to conditions hereon and according to approved plans and specifications pertaining thereto, subject to compliance with ordinances and laws of the City and County of Honolulu and State of Hawaii.

FOR DIRECTOR OF DEPARTMENT OF PLANNING AND PERMITTING

THIS PERMIT MUST BE POSTED IN A CONSPICUOUS PLACE ON THE SITE DURING THE PROGRESS OF WORK. THIS PERMIT MAY BE REVOKED IF WORK IS NOT STARTED WITHIN 180 DAYS OF DATE OF ISSUANCE OR IF WORK IS SUSPENDED OR ABANDONED FOR 120 DAYS.

ELECTRICAL AND PLUMBING WORK TO BE DONE BY LICENSED PERSONS AS REQUIRED UNDER CHAPTER 448 E, HAWAII REVISED STATUTES.
NOTICE TO HOMEOWNERS: This is to inform all homeowners that improvements to your home may require approval by your Homeowners Association or authorized representative prior to the commencement of construction.
Approval by the Department of Planning and Permitting does not certify compliance with the Covenants, Conditions and Restrictions or other design restrictions administered and enforced by your Homeowners Association.
ALL CONSTRUCTION UNDER THIS BUILDING PERMIT IS SUBJECT TO INSPECTION BY THE BUILDING OFFICIAL. IT SHALL BE THE DUTY OF THE PERSON DOING THE WORK AUTHORIZED BY THIS PERMIT TO NOTIFY THE BUILDING OFFICIAL THAT THE WORK IS READY FOR INSPECTION.
THE FOLLOWING ARE THE INSPECTORS ASSIGNED TO INSPECT THE CONSTRUCTION UNDER THIS PERMIT AND THEIR TELEPHONE NUMBERS:

<table>
<thead>
<tr>
<th>Building Inspector</th>
<th>Electrical Inspector</th>
<th>Plumbing Inspector</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name: JONATHAN AGAS</td>
<td>Phone No.: (808) 768-3120</td>
<td></td>
</tr>
</tbody>
</table>

APPLICATION NO.: A2017-11-0686
JobID: 61281546
PERMIT NO.: 815149

Initial Print Date: Monday March 19, 2018 3:48 pm
ExternalID: 060968513-003
Page 1 of 1
DEPARTMENT OF PLANNING AND PERMITTING
CITY AND COUNTY OF HONOLULU
650 SOUTH KING STREET * HONOLULU, HAWAII 96813
Phone: (808) 768-8220 * Fax: (808) 768-6111

BUILDING PERMIT

FOR THE PERFORMANCE OF WORK UNDER THE
BUILDING ELECTRICAL, PLUMBING, AND SIDEWALK CODES
CHAPTERS 16, 17, 19, AND 20, RESPECTIVELY, AND UNDER CHAPTER 18
(FEES AND PERMITS) OF THE REVISED ORDINANCES OF
THE CITY AND COUNTY OF HONOLULU

LOCATION

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<tbody>
<tr>
<td>6</td>
<td>6</td>
<td>001</td>
<td>029</td>
</tr>
</tbody>
</table>

66-84 HALEIWA RD Haleiwa 96712
15,984 Sq. Ft.

Site Address (if other than primary):

PROJECT:

(BP #815148) [TMK: 66001029] MOORE RESIDENCE-DEMO OF EXISTING TWO-FAMILY DETACHED (RIGHT DWELLING) ==SWQR NEEDED==

TYPE OF WORK

Demolition Y

RIGHT OF WAY WORK

Driveway: New: Existing: Private:

Sidewalk Types: Curbing Types: Driveway Types:

Linear Ft. of Sidewalk: Linear Ft. of Curbing: Linear Ft. of Driveway:

Please notify the Building Inspector listed below at least 24 hours before starting work in the Right-Of-Way.

GENERAL CONTRACTOR

DALE MOORE GENERAL CONTRACTOR

Contact Info: PH: (808) 638-1107, (808) 927-0404

Lic. No.: CT18674

NOTES

Demolition Clauses

The following items are required:

-Demolition Affidavit
-Debris to be removed from premises within 30 days of demolition

DATE ISSUED: 03/19/2018

Location Permit Issued:

Location Application Created: Kapolei

Signature: Y. Hernandez

FOR DIRECTOR OF DEPARTMENT OF PLANNING AND PERMITTING

THIS PERMIT MUST BE POSTED IN A CONSPICUOUS PLACE ON THE SITE DURING THE PROGRESS OF WORK. THIS PERMIT MAY BE REVOVED IF WORK IS NOT STARTED WITHIN 180 DAYS OF DATE OF ISSUANCE OR IF WORK IS SUSPENDED OR ABANDONED FOR 120 DAYS.

ELECTRICAL AND PLUMBING WORK TO BE DONE BY LICENSED PERSONS AS REQUIRED UNDER CHAPTER 448 E, HAWAII REVISED STATUTES

NOTICE TO HOMEOWNERS: This is to inform all homeowners that improvements to your home may require approval by your Homeowners Association or authorized representative prior to the commencement of construction.

Approval by the Department of Planning and Permitting does not certify compliance with the Covenants, Conditions and Restrictions or other design restrictions administered and enforced by your Homeowners Association.

AL CONSTRUCTION UNDER THIS BUILDING PERMIT IS SUBJECT TO INSPECTION BY THE BUILDING OFFICIAL. IT SHALL BE THE DUTY OF THE PERSON DOING THE WORK AUTHORIZED BY THIS PERMIT TO NOTIFY THE BUILDING OFFICIAL THAT THE WORK IS READY FOR INSPECTION.

THE FOLLOWING ARE THE INSPECTORS ASSIGNED TO INSPECT THE CONSTRUCTION UNDER THIS PERMIT AND THEIR TELEPHONE NUMBERS:

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<tr>
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<th>Electrical Inspector</th>
<th>Plumbing Inspector</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name: JONATHAN AGAS</td>
<td>JobID: 61281590</td>
<td>PERMIT NO.: 815148</td>
</tr>
<tr>
<td>Phone No.: (808) 768-3120</td>
<td>ExternallID: 080968513-004</td>
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APPLICATION NO.: A2017-11-0688

Initial Print Date: Monday March 19, 2018 3:47 pm

Page 1 of 1
## Map Unit Legend

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<th>Map Unit Symbol</th>
<th>Map Unit Name</th>
<th>Acres in AOI</th>
<th>Percent of AOI</th>
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</thead>
<tbody>
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<td>HeA</td>
<td>Haleiwa silty clay, 0 to 2 percent slopes</td>
<td>41.6</td>
<td>89.1%</td>
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<tr>
<td>JaC</td>
<td>Jaucas sand, 0 to 15 percent slopes, MLRA 163</td>
<td>1.0</td>
<td>2.1%</td>
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<td>KIB</td>
<td>Kawaihapai clay loam, 2 to 6 percent slopes</td>
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<td>7.7%</td>
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<td>MnC</td>
<td>Mamala cobbly silty clay loam, 0 to 12 percent slopes, MLRA 163</td>
<td>0.5</td>
<td>1.1%</td>
</tr>
</tbody>
</table>

**Totals for Area of Interest**  
46.6  
100.0%
APPENDIX 7 – Flood Elevation Certificate

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A – PROPERTY INFORMATION

<table>
<thead>
<tr>
<th>A1. Building Owner’s Name</th>
<th>Policy Number:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patricia Moore Trust, Dale A. Moore Trust</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.</th>
<th>Company NAIC Number:</th>
</tr>
</thead>
<tbody>
<tr>
<td>66-84 Haleiwa Road</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)</th>
<th>Portions of L.C. Aews. 2788: 1, 10727, 7713: 34</th>
<th>Tax Map Key: 6-6-01: 29</th>
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<tbody>
<tr>
<td></td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.)</th>
<th>Residential</th>
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</table>

<table>
<thead>
<tr>
<th>A5. Latitude/Longitude:</th>
<th>Horizontal Datum:</th>
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<tbody>
<tr>
<td>Lat 21° 35' 31.94&quot; N</td>
<td>☑ NAD 1927 ☒ NAD 1983</td>
</tr>
<tr>
<td>Long 158° 06' 20.45&quot; W</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>A7. Building Diagram Number</th>
<th>1A</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>A8. For a building with a crawlspace or enclosure(s):</th>
<th>N/A</th>
<th>sq ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Square footage of crawlspace or enclosure(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c) Total net area of flood openings in A8.a</td>
<td></td>
<td>sq in</td>
</tr>
<tr>
<td>d) Engineered flood openings? ☐ Yes ☐ No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A9. For a building with an attached garage:</th>
<th>968</th>
<th>sq ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Square footage of attached garage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c) Total net area of flood openings in A9.a</td>
<td>0</td>
<td>sq in</td>
</tr>
<tr>
<td>d) Engineered flood openings? ☐ Yes ☐ No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

<table>
<thead>
<tr>
<th>B1. NFIP Community Name &amp; Community Number</th>
<th>B2. County Name</th>
<th>B3. State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honolulu 150001</td>
<td>Honolulu</td>
<td>Hawaii</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B4. Map/Panel Number</th>
<th>B5. Suffix</th>
<th>B6. FIRM Index Date</th>
<th>B7. FIRM Panel Effective/Revised Date</th>
<th>B8. Flood Zone(s)</th>
<th>B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth)</th>
</tr>
</thead>
<tbody>
<tr>
<td>15003C0105</td>
<td>H</td>
<td>11/05/2014</td>
<td>01/19/2011</td>
<td>X/BE/AE</td>
<td>6'/8'</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9:</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ FIS Profile ☒ FIRM ☐ Community Determined ☐ Other/Source:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B11. Indicate elevation datum used for BFE in Item B9:</th>
</tr>
</thead>
<tbody>
<tr>
<td>☒ NGVD 1929 ☐ NAVD 1988 ☐ Other/Source:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Yes ☒ No</td>
</tr>
</tbody>
</table>
**ELEVATION CERTIFICATE**

**SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)**

C1. Building elevations are based on: ☒ Construction Drawings*  ☐ Building Under Construction*  ☐ Finished Construction

*A new Elevation Certificate will be required when construction of the building is complete.


<table>
<thead>
<tr>
<th>Benchmark Utilized: Tidal Benchmark #4</th>
<th>Vertical Datum: mean sea level</th>
</tr>
</thead>
</table>

Indicate elevation datum used for the elevations in items a) through h) below.

☒ NGVD 1929  ☐ NAVD 1988  ☐ Other/Source: ____________

Datum used for building elevations must be the same as that used for the BFE.

<table>
<thead>
<tr>
<th>Item</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Top of bottom floor (including basement, crawl space, or enclosure floor)</td>
<td>6.5 feet</td>
</tr>
<tr>
<td>b) Top of the next higher floor</td>
<td>15.5 feet</td>
</tr>
<tr>
<td>c) Bottom of the lowest horizontal structural member (V Zones only)</td>
<td>N/A</td>
</tr>
<tr>
<td>d) Attached garage (top of slab)</td>
<td>6.3 feet</td>
</tr>
<tr>
<td>e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)</td>
<td>N/A</td>
</tr>
<tr>
<td>f) Lowest adjacent (finished) grade next to building (LAG)</td>
<td>7.1 feet</td>
</tr>
<tr>
<td>g) Highest adjacent (finished) grade next to building (HAG)</td>
<td>7.2 feet</td>
</tr>
<tr>
<td>h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION**

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Were latitude and longitude in Section A provided by a licensed land surveyor? ☒ Yes  ☐ No  ☐ Check here if attachments.

Certifier's Name  
James R. Thompson  
License Number  
3627

Title  
President

Company Name  
WALTER P. THOMPSON, INC.

Address  
P.O. BOX 3351

City  
HONOLULU  
State  
Hawaii  
ZIP Code  
96801

Signature  
James R. Thompson

Date  
11/21/2018  
Telephone  
(808) 536-2705

Comments (including type of equipment and location, per C2(e), if applicable)
### PARK DEDICATION

<table>
<thead>
<tr>
<th>File Number</th>
<th>2019/PARK-33</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project</td>
<td>Existing and New Two-Family Dwellings (Four Units)</td>
</tr>
<tr>
<td>Location</td>
<td>66-084 Haleiwa Road, Haleiwa, O‘ahu</td>
</tr>
<tr>
<td>Tax Map Key</td>
<td>6-6-001: 029</td>
</tr>
<tr>
<td>Zoning</td>
<td>R-5 Residential District</td>
</tr>
<tr>
<td>Agent</td>
<td>Gazelle Garner</td>
</tr>
<tr>
<td>Method of Compliance</td>
<td>Payment of Fees</td>
</tr>
</tbody>
</table>

**APPROVAL** is granted to the park dedication application for the above-described project under the provisions of Section 21-8.20A of the Land Use Ordinance ("Housing—Multiple dwelling units on a single residential district zoning lot").

You have paid park dedication fees of $14,550.00 for the existing two-family dwelling under Building Permit No. 823948, and a proposed new two-family dwelling on the subject property. The $14,550.00 fee is based on multiplying a market value of $72.75 per square foot x four dwelling units x 50 square feet per unit.

Attached is your receipt for the $14,550.00 (First Hawaiian Bank – Cashier’s Check No. 2210884 2) payment of park dedication fees.

Requests for refunds of park dedication fees shall be submitted in writing with justification to the Director and shall be submitted within two years from the date of receipt of the fees by the Department of Planning and Permitting of the City and County of Honolulu. No refund can be made after the two years.

Attachments (Receipt No. 118444)
Doc. 1747289

**THIS COPY, WHEN SIGNED BELOW, IS NOTIFICATION OF THE ACTION TAKEN.**

<table>
<thead>
<tr>
<th>Signature</th>
<th>For ACTING DIRECTOR</th>
<th>August 28, 2019</th>
</tr>
</thead>
</table>

This approval does not constitute approval of any other required permits, such as building or sign permit.
APPENDIX 9 – Haleiwa Special District Tree Permit

MINOR PERMIT: SPECIAL DISTRICT (HALEIWA)

<table>
<thead>
<tr>
<th>File Numbers:</th>
<th>2017/SDD-72</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project:</td>
<td>Moore Residence – Tree Removals and Replacements</td>
</tr>
<tr>
<td>Owner:</td>
<td>Dale Moore</td>
</tr>
<tr>
<td>Applicant/Agent:</td>
<td>Gazelle Garner</td>
</tr>
<tr>
<td>Location:</td>
<td>66-084 and 66-084A Haleiwa Road – Haleiwa</td>
</tr>
<tr>
<td>Tax Map Keys:</td>
<td>6-6-001: 029</td>
</tr>
<tr>
<td>Zoning:</td>
<td>R-5 Residential District</td>
</tr>
<tr>
<td>Date Received:</td>
<td>December 12, 2017</td>
</tr>
<tr>
<td>Date Accepted:</td>
<td>December 27, 2017</td>
</tr>
</tbody>
</table>

APPROVAL is granted for the minor Project, four tree removals (one African Tulip tree, one Coconut palm, and two Norfolk Pine trees), four tree replacements (three Norfolk Pine trees and one Coconut palm) and two tree relocations (Coconut palms), in accordance with the application documents (received December 12, 2017 and January 16, 2018), subject to the following conditions:

1. Except as required by the conditions of approval, herein, development of the site shall be in general conformance with the approved Project, as described herein and shown in documents (received December 12, 2017 and January 16, 2018). Any modification to the Project and/or approved plans shall be subject to the prior review of and approval by the Director of the Department of Planning and Permitting (DPP). Minor modifications shall be processed in accordance with Land Use Ordinance Section 21-2.20(k). Major modifications shall require a new Special District Permit (Minor).

2. The three tree replacements (Norfolk Pine trees) shall have a minimum two-inch caliper with a clear trunk height of eight feet. The Coconut palm tree replacement shall have a minimum clear tree height of 15 feet.
3. The Applicant shall complete the tree removal within two years from the
date of this approval, or the Special District Permit shall be null and void.
For good cause, the Applicant may request to extend the time limit. The request
for an extension must be submitted in writing, prior to the expiration of the
Special District Permit, and include justification for the extension.

4. The Director of the DPP may modify the conditions of this approval by imposing
additional conditions, modifying existing conditions, or deleting conditions
deemed satisfied upon a finding that circumstances related to the approved
Project have significantly changed so as to warrant a modification to the
conditions of approval. In the event of the noncompliance with any of the
conditions set forth herein, the Director of the DPP may terminate all uses
approved under this permit or halt their operation until all conditions are met or
may declare this permit null and void or seek civil enforcement.

The subject property is on Haleiwa Road across the street from the Haleiwa
Harbor, near the intersection of Haleiwa Road and Kamehameha Highway. The site
consists of one single family dwelling and one two-family dwelling, both of which will be
demolished for a proposed two-family dwelling on the western side of the lot and a two-
family dwelling on the eastern side of the lot.

In order to develop the new two-family dwellings, the Applicant proposes to
remove and replace the following trees:

1. One existing African Tulip tree at the eastern property line, which has a 3.5-foot
caliper, 50-foot height, and 51-foot spread. According to the Applicant, the tree’s
invasive root system is affecting neighboring cesspools and leach beds, and
conflicts with the future two-family dwelling. The replacement tree is a Norfolk
Pine tree with a minimum two-inch caliper to be located near the northeastern
corner of the lot.

2. One existing dead Coconut palm near the northern property line in front of
Haleiwa Road, which has a 1.2-foot caliper and 40-foot height, will be replaced
with another palm in the same location.

3. One existing Norfolk Pine tree near the northern property line, west of the above-
mentioned dead Coconut Palm tree. It has a 1.3-foot caliper, 22-foot height, and
22-foot spread. The tree is in the location of the proposed driveway. It will be
replaced by a Norfolk Pine tree to be located within the front yard near the
western side of the lot.

4. Two existing Coconut palms near the western property line, where a dwelling and
lanai are proposed to be located. The Coconut palms have a 1.2-foot caliper and
35-foot height. They will be relocated to the front yard facing Haleiwa Road, near the other Coconut palm and two Norfolk Pine trees towards the east.

5. One existing Norfolk Pine tree near the western property line where a dwelling and garage are proposed to be located. The Norfolk Pine tree has a 2-foot caliper, 24-foot height, and 26-foot spread. The replacement tree will be a Norfolk Pine tree at the northwestern corner of the lot.

One existing Norfolk Pine tree at the northeast corner of the lot will remain. It has a 1.3-foot caliper, 24-foot height, and 20-foot spread.

A total of four trees (consisting of one African Tulip tree, one Coconut Palm tree, and two Norfolk Pine trees) will be removed and replaced with four new trees (consisting of three Norfolk Pine trees and one Coconut Palm tree), and two Coconut Palm trees will be relocated. The proposed tree removals and replacements will meet the objectives and landscaping requirements of the Haleiwa Special District.

Any party (to the case) wishing to appeal the Director’s action must submit a written petition to the Zoning Board of Appeals (ZBA) within 30 calendar days from the date of mailing or personal service of the Director’s written decision (ZBA Rules Relating to Procedure for Appeals, Rule 22-2, Mandatory Appeal Filing Deadline). Essentially, the ZBA rules require that a petitioner show that the Director based his action on an erroneous finding of a material fact and/or that the Director acted in an arbitrary or capricious manner, or manifestly abused his discretion. Generally, the ZBA can only consider the evidence previously presented to the Director of the DPP. The filing fee for appeals to the ZBA is $400 (payable to the City and County of Honolulu).

Failure to comply with ZBA Rules Chapter 22, Procedure for Appeals, may result in the dismissal of the appeal. Copies of the ZBA rules are available at the DPP. Appeals should be addressed to:

Zoning Board of Appeals
c/o Department of Planning and Permitting
650 South King Street, 7th Floor
Honolulu, Hawaii 96813
Should you have any questions, please contact Janet Lau of our Urban Design Branch, at 768-8033 or by email at janet.lau@honolulu.gov.

THIS COPY, WHEN SIGNED BELOW, IS NOTIFICATION OF THE ACTION TAKEN.

Anthony O. DIVING Acting Director January 29, 2018
SIGNATURE TITLE DATE

This approval does not constitute approval of any other required permits, such as building or sign permits.
APPENDIX 10 – Cesspool Records

Pumping 1 g 3 sp

Date: May 9, 1958

Property owner: I. Hanazawa
Address: 66-084 Haleiwa Rd.
Island: Oahu
City: Haleiwa
District: Haleiwa
New Construction: Yes
Intended for: Residence

Builder or Contractor: A. Watsch

Distance from building: 10
Boundary: 9
Stream or well: 50 ft

Diameter (clear)-ft: 6
Depth-ft: 12
No. ft. down to water if any: 7

Capacity (Gallons): 2,538
Ground slope: Level

State soil or rock formation starting from surface: 9 ft and 36 ft from

Kind of wall or curb: Hollow tile
Kind of cover: Reinforce con

Distance from surface of ground to top of cover-ft: 

Approved: 5/9/1958
Sanitary Inspector: Y. Oshita
SANITARY INSPECTOR'S REPORT OF CESSPOOLS

Date: May 9, 1958

Property owner: T. Hara
Address: 16-686 Haleiwa Rd
City: Haleiwa
District: Haleiwa

New Construction: Yes
Intended for: Residence

Builder or Contractor: A. Smith

Distance from building: 10
Boundary: 8
Stream or well: 50 ft

Diameter (clear)-ft: 6
Depth-ft: 11
No. ft. down to water if any: 7

Capacity (Gallons): 2328
Ground slope: Level

State soil or rock formation starting from surface: 11 ft sand

Kind of wall or curb: Hollow tile
Kind of cover: Reinforced concrete

Distance from surface of ground to top of cover-ft: 11

Approved: 5/12/58

Sanitary Inspector: [Signature]

[Diagram of cesspool area with measurements]
## Building Permit

<table>
<thead>
<tr>
<th>Building Permit</th>
<th>Details</th>
<th>Planning</th>
<th>Reviews</th>
<th>Permits</th>
<th>Inspections</th>
</tr>
</thead>
<tbody>
<tr>
<td>838386</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Application Number: A2019-08-0727</td>
<td>Job Number: 075220549-002</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Description: [8P #838386] [TMK: 66001029] 66-84 HALEWAI RD UNIT B &amp; UNIT C // MOORE RESIDENCE - ALTERATION TO AN EXISTING 2FD</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Created Date: Aug 12, 2019</td>
<td>Job Completed Date:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Issued Date: Sep 17, 2019</td>
<td>Date Construction Completed: mmm dd, yyyy</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Status: Inspection(s) in Progress</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific Location: 66-84 HALEWAI RD Haleiwa 96712</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### Tax Map Key

**Warning:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMK 6-6-001:029 [15984 sq ft]</td>
<td>0.367 ac: POD= 4478 66-84 HALEWAI RD Haleiwa 96712 01/01/1800 to Current TAXPIN = 4478</td>
</tr>
</tbody>
</table>

---

### Details

<table>
<thead>
<tr>
<th>Staff Assignment: Wendel Ko</th>
<th>Is this a City Project?: No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job Address:(If not primary):</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:** 2019/5MA-18; ORD. NO. 00-15

**Structure Code:** 52 - TWO FAMILY DETACHED

**Certificate of Occupancy must be issued before building is occupied:**

**FLOOD HAZARD DISTRICT**

<table>
<thead>
<tr>
<th>Road Hazard District: Flood Fringe</th>
<th></th>
</tr>
</thead>
</table>

**Complied**

**Exempt**

**As-Built Elevation Certification**

<table>
<thead>
<tr>
<th>RESIDENTIAL UNITS CODE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Number Units - Added: 0</td>
<td></td>
</tr>
<tr>
<td>Number Units - Deleted: 0</td>
<td></td>
</tr>
</tbody>
</table>

**HOTEL ROOM CODE**

---

[APPENDIX 12 – Approved Interior Alteration Permit](#)
Ms. Gazelle Garner  
Envision Design Build, LLC  
P.O. Box 1105  
Haleiwa, Hawaii 96712

Dear Ms. Garner:

Subject: Your Letter Dated September 27, 2019 Requesting Comments on the Environmental Assessment Pre-Consultation for a Proposed Residential Detached Two-Family Dwelling off Haleiwa Road - Tax Map Key: 6-6-301-029

Thank you for the opportunity to comment on the proposed detached two single-family dwelling project.

The existing water system is adequate to accommodate the proposed development. However, please be advised that this information is based upon current data, and therefore, the Board of Water Supply reserves the right to change any position or information stated herein up until the final approval of the building permit application. The final decision on the availability of water will be confirmed when the building permit application is submitted for approval.

When water is made available, the applicant will be required to pay our Water System Facilities Charges for resource development, transmission, and daily storage.

Water conservation measures are required for all proposed developments. These measures include utilization of nonpotable water for irrigation using rain catchment, drought tolerant plants, xeriscape landscaping, efficient irrigation systems, such as a drip system and moisture sensors, and the use of Water Sense labeled ultra-low flow water fixtures and toilets.

Individual water meters will be allowed for each dwelling; however, meters will be issued separately upon final approval of the individual building permits. One master meter for the development, with submeters to individual dwellings, will also be allowed.

The on-site fire protection requirements should be coordinated with the Fire Prevention Bureau of the Honolulu Fire Department.

If you have any questions, please contact Robert Chun, Project Review Branch of our Water Resources Division at 748-5443.

Very truly yours,

[Signature]  
ERNEST Y. W. LAU, P.E.  
Manager and Chief Engineer

Water for Life... Ka Wai Ola
Ms. Gazelle Garner, Agent for Owners Dale and Patty Moore
Envision Design Build (EDB)
P.O. Box 1105
Haleiwa, Hawaii 96712

Subject: Pre-Consultation for the Proposed Residential Detached Two-Family Dwelling at 66-084 Haleiwa Road, Haleiwa, Hawaii 96712
Tax Map Key: (1) 6-6-001:029

Dear Ms. Garner:

Thank you for the opportunity to provide comments for the subject project. We are responding herewith to your requests for comment that were sent simultaneously to our Division’s Planning and Construction Management Branches. The proposed project does not impact any existing facilities of the Department of Accounting and General Services in the area, and we therefore have no comments to offer at this time.

If you should have any questions or require further information regarding this reply, please contact Dennis Chen of our Planning Branch by telephone at (808) 586-0491, or via e-mail at dennis.yk.chen@hawaii.gov.

Sincerely,

CHRISTINE L. KINIMAKA
Public Works Administrator

CLK:dykc/jyl
November 14, 2019

Gazelle Garner, Agent for owners, Dale & Patty Moore
ENVISION,DESIGN,BUILD, LLC
P.O. Box 1105
Haleiwa, HI 96712

via email: info@edbhiawii.com

Dear Sirs:

SUBJECT: Early Consultation for Draft Environmental Assessment for Proposed Residential Detached Two-Family Dwelling
66-084 Haleiwa Road, Haleiwa, Island of Oahu
TMK: (1) 6-6-001:029

Thank you for the opportunity to review and comment on the above subject matter described in the enclosed letter and attachments. The Land Division of the Department of Land and Natural Resources ("DLNR") distributed a copy of your request to DLNR Divisions for their review and comments.

Enclosed are responses received from the a) Division of Boating and Ocean Recreation, b) Engineering Division, and c) Land Division—Oahu District. Should you have any questions, please feel free to contact Barbara Lee by phone at (808) 587-0453 or by email at barbara.j.lee@hawaii.gov. Thank you.

Sincerely,

Russell Y. Tsuji
Land Administrator

Enclosure(s)
cc: Central Files
October 03, 2019

MEMORANDUM

TO: DLNR Agencies:
   - Division of Aquatic Resources
   - X Division of Boating & Ocean Recreation
   - Engineering Division
   - Division of Forestry & Wildlife
   - Division of State Parks
   - Commission on Water Resource Management
   - Office of Conservation & Coastal Lands
   - Land Division – Oahu District
   - Historic Preservation

FROM: Russell Y. Tsuji, Land Administrator

SUBJECT: Early Consultation for Draft Environmental Assessment for Proposed Residential Detached Two-Family Dwelling

LOCATION: 66-084 Haleiwa Road, Haleiwa, Island of Oahu; TMK: (1) 6-6-001:029

APPLICANT: Gazelle Garner, Agent for Owners Dale & Patty Moore

Transmitted for your review and comment is information on the above-referenced project. Please submit any comments to Land Division by November 12, 2019.

If no response is received by the above date, we will assume your agency has no comments. If you have any questions about this request, please contact Barbara Lee at 587-0453 or by email at barbara.j.lee@hawaii.gov. Thank you.

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

Signed: [Signature]

Print Name: Richard T. Howard
Date: 10/03/19

Attachments
cc: Central Files
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 631
HONOLULU, HAWAII 96809

October 03, 2019

MEMORANDUM

TO:
DLNR Agencies:
   - Division of Aquatic Resources
   - Division of Boating & Ocean Recreation
   - X Engineering Division
   - Division of Forestry & Wildlife
   - Division of State Parks
   - X Commission on Water Resource Management
   - Office of Conservation & Coastal Lands
   - X Land Division - Oahu District
   - X Historic Preservation

FROM: Russell Y. Tsuji, Land Administrator

SUBJECT: Early Consultation for Draft Environmental Assessment for Proposed Residential Detached Two-Family Dwelling

LOCATION: 66-084 Haleiwa Road, Haleiwa, Island of Oahu; TMK: (1) 6-6-001:029

APPLICANT: Gazelle Garner, Agent for Owners Dale & Patty Moore

Transmitted for your review and comment is information on the above-referenced project. Please submit any comments to Land Division by November 12, 2019.

If no response is received by the above date, we will assume your agency has no comments. If you have any questions about this request, please contact Barbara Lee at 587-0453 or by email at barbara.j.lee@hawaii.gov. Thank you.

( ) We have no objections.
( ) We have no comments.
(✓) Comments are attached.

Signed: 

Print Name: Carly S. Chang, Chief Engineer
Date: 10/4/19

Attachments
co: Central Files
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

LD/Russell Y. Tsuji
Ref: Early Consultation for Draft Environmental Assessment for Proposed Residential Detached Two-Family Dwelling
TMK(s): (1) 6-6-001:029
Location: 66-084 Haleiwa Road, Haleiwa, Island of Oahu
Applicant: Gazelle Garner, Agent for Owners Dale & Patty Moore

COMMENTS

The rules and regulations of the National Flood Insurance Program (NFIP), Title 44 of the Code of Federal Regulations (44CFR), are in effect when development falls within a Special Flood Hazard Area (high risk areas). State projects are required to comply with 44CFR regulations as stipulated in Section 60.12. Be advised that 44CFR reflects the minimum standards as set forth by the NFIP. Local community flood ordinances may stipulate higher standards that can be more restrictive and would take precedence over the minimum NFIP standards.

The owner of the project property and/or their representative is responsible to research the Flood Hazard Zone designation for the project. Flood Hazard Zones are designated on FEMA’s Flood Insurance Rate Maps (FIRM), which can be viewed on our Flood Hazard Assessment Tool (FHAT) (http://gis.hawaiinfip.org/FHAT).

If there are questions regarding the local flood ordinances, please contact the applicable County NFIP coordinating agency below:

- Oahu: City and County of Honolulu, Department of Planning and Permitting (808) 768-8098.
- Hawaii Island: County of Hawaii, Department of Public Works (808) 961-8327.
- Maui/Molokai/Lanai: County of Maui, Department of Planning (808) 270-7253.
- Kauai: County of Kauai, Department of Public Works (808) 241-4896.

Signed: [Signature]
Date: 10/4/19

CARTY S. CHANG, CHIEF ENGINEER
MEMORANDUM

TO: DLNR Agencies:
   Division of Aquatic Resources
   Division of Boating & Ocean Recreation
   Engineering Division
   Division of Forestry & Wildlife
   Division of State Parks
   Commission on Water Resource Management
   Office of Conservation & Coastal Lands
   Land Division – Oahu District
   Historic Preservation

FROM: Russell Y. Tsuji, Land Administrator

SUBJECT: Early Consultation for Draft Environmental Assessment for Proposed Residential Detached Two-Family Dwelling

LOCATION: 66-084 Haleiwa Road, Haleiwa, Island of Oahu; TMK: (1) 6-6-001:029
APPLICANT: Gazelle Garner, Agent for Owners Dale & Patty Moore

Transmitted for your review and comment is information on the above-referenced project. Please submit any comments to Land Division by November 12, 2019.

If no response is received by the above date, we will assume your agency has no comments. If you have any questions about this request, please contact Barbara Lee at 587-0453 or by email at barbara.j.lee@hawaii.gov. Thank you.

( ) We have no objections.
(X ) We have no comments, at this time.
( ) Comments are attached.

Signed: [Signature]

Print Name: Patti E. Miyashiro
Date: October 4, 2019

Attachments
cc: Central Files
Ms. Gazelle Garner, Agent
Envision,Design.Build, LLC
PO Box 1105
Haleiwa, Hawaii 96712

Dear Ms. Garner:

Subject: Two Family Residential Dwelling
Pre-Consultation for Environmental Assessment
Haleiwa, Oahu, Hawaii
TMK: (1) 6-6-001:029

The State Department of Transportation (DOT) understands the land owner proposes to construct a new two-family dwelling adjacent to an existing two-family dwelling.

The DOT does not anticipate that the subject project will have any significant impact to our State transportation facilities; therefore, we have no comments at this time.

If there are any questions, please contact Mr. Blayne Nikaido of the DOT Statewide Transportation Planning Office at (808) 831-7979 or via email at blayne.h.nikaido@hawaii.gov.

Sincerely,

JADE T. BUTAY
Director of Transportation
October 14, 2019

Ms. Gazelle Gamer
Envision Design Build, LLC
PO Box 1106
Haleiwa, Hawaii 96712

Dear Ms. Gamer:

Subject: Preassessment Consultation for Draft Environmental Assessment
Detached Two-Family Dwelling
66-084 Haleiwa Road
Haleiwa, Hawaii 96712
Tax Map Key: 1-6-001: 029

In response to your letter dated September 27, 2019, regarding the abovementioned subject, the Honolulu Fire Department (HFD) reviewed the submitted information and requires that the following be complied with:

1. Fire department access roads shall be provided such that any portion of the facility or any portion of an exterior wall of the first story of the building is located not more than 150 feet (45 meters) from fire department access roads as measured by an approved route around the exterior of the building or facility. (National Fire Protection Association [NFPA] 1; 2012 Edition, Sections 18.2.3.2.2 and 18.2.3.2.2.1.)

A fire department access road shall extend to within 50 feet (15 meters) of at least one exterior door that can be opened from the outside and that provides access to the interior of the building. (NFPA 1; 2012 Edition, Section 18.2.3.2.1.)

2. A water supply approved by the county, capable of supplying the required fire flow for fire protection, shall be provided to all premises upon which facilities or buildings, or portions thereof, are hereafter
constructed, or moved into or within the county. When any portion of the facility or building is in excess of 150 feet (45,720 millimeters) from a water supply on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains capable of supplying the required fire flow shall be provided when required by the AHJ [Authority Having Jurisdiction]. (NFPA 1; 2012 Edition, Section 18.3.1, as amended.)

3. The unobstructed width and unobstructed vertical clearance of a fire apparatus access road shall meet county requirements. (NFPA 1; 2012 Edition, Sections 18.2.3.4.1.1 and 18.2.3.4.1.2, as amended.)

4. Submit civil drawings to the HFD for review and approval.

Should you have questions, please contact Acting Battalion Chief Kenneth Tenn of our Fire Prevention Bureau at 723-7153 or ktenn@honolulu.gov.

Sincerely,

WAYNE MASUDA
Acting Assistant Chief

WM/DM: bh
Dear Ms. Garner,

Thank you for the opportunity to comment on the subject project. Hawaiian Electric Company has no objection to the project. Should Hawaiian Electric have existing easements and facilities on the subject property, we will need continued access for maintenance of our facilities. We appreciate your efforts to keep us apprised of the subject project in the planning process. As the proposed 2 family dwelling project comes to fruition, please continue to keep us informed.

Should there be any questions, please contact me at 543-7245.

Thank you,

Rouen Liu
Permit Engineer
RE: Letter seeking comments

Mon, Oct 14, 2019 at 4:03 PM

Aloha Gazelle,

We received your request for comments regarding your new dwelling project in Haleiwa. Attached is the copy of the letter for your reference.

We don’t have any comments at this time as there are no on-going or proposed project near this residential project. We don’t see your proposed plan impacting any of our existing facilities, projects or plans as long as the construction is within the property line.

If you have any questions or concerns feel free to contact me.

Thank you,

Terry Kwon
Network Engineer
Hawaiian Telcom
O: 808.546.3447
terry.kwon@hawaiiantelcom

From: Kalani Andrade <kalani.andrade@hawaiiantel.com>
Sent: Friday, October 11, 2019 4:41 PM
To: Terry Kwon <Terry.Kwon@hawaiiantel.com>
Cc: Gina Uyema <Regina.Uyema@hawaiiantel.com>
Subject: FW: Letter seeking comments

Terry

Another one for your review.
From: Daniel Masutomi <Daniel.Masutomi@hawaiiantel.com>
Sent: Friday, October 11, 2019 4:38 PM
To: Kalani Andrade <kalani.andrade@hawaiiantel.com>
Cc: Gina Uyema <Regina.Uyema@hawaiiantel.com>
Subject: FW: Letter seeking comments

Kalani,

Please assign to engineer and provide a response. Let me know if further guidance is needed.

Gina – This should probably be logged along with the other plan reviews.

Thanks,
Dan

*******************
Daniel Masutomi
Director – Network Optimization & Subsea Engineering
Hawaiian Telcom
1177 Bishop Street, Suite #32
Honolulu, HI 96813

https://mail.google.com/mail/u/2?ik=1596d5767d&view=pt&search=all&permthid=thread-f%3A164742300909023353966%7Cmsg-f%3A16474230090923
Hi Dan,

I received the attached letter, seeking comments from us about some construction that they are doing with a residential dwelling in Haleiwa, as part of the permitting process. I think this would be in your area, but let me know if not.

Thanks,

Ben

Ben Morgan
Vice President – Field Operations
Hawaiian Telcom
O: 808.548.3177 | C: 808.778.2424
ben.morgan@hawaiiantel.com

Letter from Dale and Patty Moore.pdf
1300K

https://mail.google.com/mail/u/0?ik=1596d5757d&view=pt&search=all&permthid=thread-f%3A1647423090900233535966%7Cmsg-f%3A16474230909023
October 15, 2019

Ms. Gazelle Garner, Associate AIA
envision design.build, llc
P.O. Box 1105
Haleiwa, Hawaii 96712

Dear Ms. Garner:

This is in response to your letter of September 27, 2019, requesting comments on a Pre-Assessment Consultation, Draft Environmental Assessment, for the proposed residential detached two-family dwelling at 66-084 Haleiwa Road.

Based on the project summary and map provided, this project should have no impact on the operations or services of the Honolulu Police Department at this time.

If there are any questions, please call Major Gregory Osbun of District 2 (Wahiawa) at 723-8703.

Thank you for the opportunity to review this project.

Sincerely,

[Signature]

ALLAN T. NAGATA
Assistant Chief
Support Services Bureau

Serving and Protecting With Aloha
November 1, 2019

Ms. Gazelle Garner
Envision Design Build, LLC.
P.O. Box 1105
Haleiwa, Hawaii  96712

Dear Ms. Garner:

SUBJECT: Pre-Consultation for the Proposed Residential Detached Two Family Dwelling at 66-084 Haleiwa Road, Haleiwa, Hawaii TMK 1-6-6-001:029

Thank you for the opportunity to review and comment at the Pre-Consultation stage of the Environmental Assessment for the subject project.

The Department of Parks and Recreation has no comment. As the proposed project will have no impact on any program or facility of the department, you may remove us as a consulted party to the balance of the EIS process.

Should you have any questions, please contact Mr. John Reid, Planner, at 768-3017.

Sincerely,

Michele K. Nekota
Director

MKN:jr
768765
To: Envision Design Build
P.O. Box 1105
Haleiwa, HI 96712
Office: 808-445-4625
Attention: Ms. Gazelle Garner

We are sending you the following:

- Pole / Conduit Application
- Permit Applications
- Copy of Letter
- Preliminary / Final Drawings
- Return Prints
- Other General Release Form

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<th>Copies</th>
<th>Sht / Appl. #</th>
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The Above is transmitted:

- For Your Approval
- For Review and Comment
- For Your Use / Records
- As Requested
- As Approved
- Other

Comments / Remarks: Thank-you for the notification of the construction plan at the above address. Spectrum (Charter) Cable has aerial plant in the area that will not be affected by the planned construction. Should you have any questions, please contact me at 625-8456 and refer to reference # E-37613.

Thank-you,

Signed: Dean Yonezawa
Printed Engr/Title: Dean Yonezawa / Construction Coordinator
Fwd: Archaeology with log 2020.00701 *** Re: [EXTERNAL] HRS 6E Submittal Form
1 message

Patty Moore <mooreohana@gmail.com>
To: Gazelle Garner <gazelle@dbhawaii.com>  
Fri, Jun 12, 2020 at 1:40 PM

Here is the initial correspondence from State Historic Preservation Division

Patricia "Patty" Moore PB (R) CRS  
Moore Real Estate LLC  
RB-16081  
(808) 741-1107

-------- Forwarded message --------
From: DLNR.Intake.SHPD <dlnr.intake.shpd@hawaii.gov>  
Date: Thu, Mar 26, 2020 at 3:41 PM  
Subject: Archaeology with log 2020.00701 *** Re: [EXTERNAL] HRS 6E Submittal Form  
To: Patty Moore <mooreohana@gmail.com>, Lebo, Susan A <susan.a.lebo@hawaii.gov>, Soares, Lehua K <lehua.k.soares@hawaii.gov>, Clark, Garnet K <garnet.k.clark@hawaii.gov>, Hacker, Stephanie <stephanie.hacker@hawaii.gov>  
Cc: DLNR.Intake.SHPD <dlnr.intake.shpd@hawaii.gov>

Aloha, your submittal is in the queue for review by the Archaeology Branch and is assigned log 2020.00701 for reference. Direct all questions on this matter to Dr. Lebo, Lehua Soares, Garnet Clark and Stephanie Hacker at their emails above.  
Mahalo, SHPD Intake Specialist

From: Patty Moore <mooreohana@gmail.com>  
Sent: Friday, March 27, 2020 12:29 AM  
To: DLNR.Intake.SHPD <dlnr.intake.shpd@hawaii.gov>  
Subject: [EXTERNAL] HRS 6E Submittal Form

We have been asked by City and County of Honolulu Department of Planning and Permitting acting Director Kathy Sokugawa to submit to you this request regarding our property located at 66-084 Haleiwa Road, Haleiwa HI 96712. Please let us know if the property would require a review. There were three dwelling units on the property (which were occupied) and since demolished. We received approval to build a two family dwelling unit and we would like to build a second two family dwelling unit. Due to the cumulative cost of the project and the property being in the Special Management Area, we are required to have a Special Management Area permit (major).

If there is a fee, I would need to submit payment via an online site, but I didn't know what that would be. Otherwise, I can bring payment to your Kapolei location, if that is an option.  
Patty Moore and Dale Moore

Patricia "Patty" Moore PB (R) CRS  
Moore Real Estate LLC  
RB-16081  
(808) 741-1107

Received this same day later in the day:
Thank you for your email. As part of the State’s efforts to limit transmission of the COVID-19 (coronavirus), our offices are closed to the public until further notice. Governor Ige has directed staff to work remotely. I will be checking email periodically and will respond to the extent possible during this period. While working remotely I will not have access to all SHPD resources which will slow work and response times. I apologize for any inconvenience this may cause and appreciate your understanding.

If you are emailing to report an inadvertent discovery of a burial site,

On Kaua`i please call: (808) 896-0475

On Hawai`i Island please call: (808) 430-5709

On Maui please call: (808) 436-6518

On O`ahu please call: (808) 436-4801
APPENDIX 14 – Response to Pre-Consultation Comments

August 6, 2020

Department of Land and Natural Resources
Engineering Division
P.O. Box 621
Honolulu, HI 96809

Attn: Carty S. Chang, Chief Engineer

RE: RESPONSE TO EARLY CONSULTATION COMMENT FOR DRAFT ENVIRONMENTAL ASSESSMENT FOR PROPOSED RESIDENTIAL DETACHED TWO-FAMILY DWELLING AT
66-084 HALEIWA ROAD, HALEIWA HI 96712
TAX MAP KEY: 1 6-6-001-029

Dear Mr. Chang,

Thank you for submitting your comment in response to our early consultation letter. The owners have designed the proposed detached two-family dwelling to comply with NFIP, Title 44 of the Code of Federal Regulations (44CFR).

As part of the permit plans that are currently under review, the owners provided Department of Planning and Permitting with a Flood Survey by a licensed surveyor. They also provided a Flood Fringe Certificate as well as an Elevation Certificate, all of which are signed/stamped by licensed professionals.

Per the flood survey data, the finished floor height for the proposed detached two-family dwelling is set above the flood plain.

Attached for your reference is the flood survey map and the exterior elevations of the proposed structure indicating the finished floor height above flood plain.

If you have any questions or need any additional information, please contact me via email or phone. You can reach me at 808-445-4625 or gazelle@edbhawaii.com.

Sincerely,

Gazelle Garner
Agent for owners, Dale & Patty Moore
Encl.

envision.design.build, llc  PO Box 1105, Haleiwa, HI 96712

116
December 5, 2020

Honolulu Fire Department
City and County of Honolulu
636 South Street
Honolulu, HI 96813

Attn: Wayne Masuda, Battalion Chief

RE: RESPONSE TO COMMENT FOR ENVIRONMENTAL ASSESSMENT
OF DETACHED TWO-FAMILY DWELLING AT
  66-084 HALEIWA ROAD, HALEIWA HI 96712
  TAX MAP KEY: 1 6-6-001-029

Dear Mr. Masuda,

Thank you for submitting your comment in response to our Draft Environmental Assessment.

Based on conversations the owner, Dale Moore, had with you and with Mr. Malone it was agreed a fire sprinkler design would be provided for Unit A (Dwelling 2) to satisfy the comment. It was determined, and agreed upon, that Dwelling 1 complies with NFPA Sections 18.2.3.2.1, 18.2.3.2.2, 18.2.3.2.2.1, 18.3.1, 18.2.3.4.1.1 and 18.2.3.4.1.2.

If you have any other questions or need any additional information, please contact me via email or phone.
You can reach me at 808-445-4625 or gazelle@edbhawaii.com.

Sincerely,

Gazelle Garner
Agent for owners, Dale & Patty Moore
Encl.
APPENDIX 15 – Individuals Contacted as part of Pre-Consultation Process

[Map of parcel and zoning information with various parcels and zoning labels such as A-1, A-2, A-3, AG-1, AG-2, and 9/25/2019, 1:20:54 PM timestamp.]

9/25/2019, 1:20:54 PM

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<tr>
<th>Tax Parcel</th>
<th>A-1</th>
<th>A-2</th>
<th>A-3</th>
<th>AG-1</th>
<th>AG-2</th>
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Zoning - Land Use Ordinance

- A-1
- A-2
- A-3
- AG-1
- AG-2
Aloha Gazelle,

We have assigned the following Department of Army project number to the proposed residential development for Dale & Patricia Moore in Haleiwa:

POH-2021-00042

Please provide contact information for Dale & Patricia Moore (address, phone number, and email, if available).

Mahalo,

Kristi Fluker
Biologist/Regulatory Specialist
Honolulu District
U.S. Army Corps of Engineers
Building 230
Fort Shafter, Hawaii 96858-5440
Kristi.D.Fluker@usace.army.mil
Aloha Kristi,
Thank you for your email. Below is the contact information for the owners:

Dale & Patty Moore
59-589 Ke Iki Road F
Haleiwa HI 96712

Dale Moore Cell: 808-927-0404

Email: mooreohana@gmail.com
        mooreohana@aol.com

Let us know if you require any additional information.
Mahalo,
-Gazelle

March 3, 2021

Kristi Fluker
Biologist/Regulatory Specialist
Honolulu District
U.S. Army Corps of Engineers
Building 230
Fort Shafter, Hawaii 96858-5440

RE: POH-2021-00042

Thank you for your review the Draft Environmental Assessment document and comments submitted to us. Per your request here is the information you requested:

Contact information for Dale and Patricia Moore
Dale Moore phone 808 927-0404; address 59 589 Ke Iki Road #C, Haleiwa HI 96712; email mooreohana@gmail.com

Patricia Moore phone 808 741-1107; address 59 589 Ke Iki Road #C, Haleiwa HI 96712; email mooreohana@gmail.com

Thank you,

[Signature]

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

March 18, 2021  

SUBJECT: Determination of No Permit Required, Residential Development, 66-084 Haleiwa Road in Haleiwa, Oahu, Hawaii, Department of the Army File No. POH-2021-00042  

Mr. Dale Moore and Mrs. Patricia Moore  
59-589 Ke Iki Road #C  
Haleiwa, Hawaii 96712  

Ms. And Mrs. Moore:  

The Honolulu District, U.S. Army Corps of Engineers (Corps), Regulatory Branch has received your request for a determination whether a Department of the Army (DA) permit is required for the proposed residential development at the property located at 66-084 Haleiwa Road in Haleiwa, Oahu, Hawaii. Your request has been assigned DA file number POH-2021-00042. Please reference this number in all future correspondence with our office relating to this action.  

Based on our review of the information you provided and the field observations on March 10, 2021, residential development of the property at 66-084 Haleiwa Road does not contain waters of the U.S., including wetlands or navigable waters of the U.S., as defined by 33 CFR Parts 328 and 329, respectively. Therefore, a DA permit under Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act of 1899 is not required.  

While a DA permit is not required for your proposed project, you are responsible for obtaining all other applicable Federal, state, or local authorizations required by law.  

Thank you for your cooperation with the Honolulu District Regulatory Program. If you have any questions related to this determination, please contact me at 808-835-4303 or via e-mail at Kristi.D.Fluker@usace.army.mil. You are encouraged to provide comments on your experience with the Honolulu District Regulatory Branch by accessing our web-based customer survey form at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey. For additional information about our Regulatory Program, please visit our web site at http://www.poh.usace.army.mil/Missions/Regulatory.aspx.  

Sincerely,  

Kristi D. Fluker  
Regulatory Specialist  

cc: 
Ms. Gazelle Garner
Solid and Hazardous Waste Branch
Standard Comments

November 26, 2018

The Solid and Hazardous Waste Branch administers programs in the areas of:
1) Management of hazardous waste;
2) Management of solid waste; and
3) Regulation of underground storage tanks.

Our general comments on projects are below. For further information about these programs, please contact the Solid and Hazardous Waste Branch at (808) 586-4226. All chapters of the Hawaii Revised Statutes (HRS) are at https://www.capitol.hawaii.gov/hrscurrent/.

Hazardous Waste Program

- The state regulations for hazardous waste and used oil are in chapters 11-260.1 to 11-279.1, Hawaii Administrative Rules (HAR) [http://health.hawaii.gov/shwb/hwrules/]. These rules apply to the identification, handling, transportation, storage and disposal of regulated hazardous waste and used oil. Generators, transporters and treatment, storage, and disposal facilities of hazardous waste and used oil must adhere to these requirements. Violations are subject to penalties under chapter 342J, HRS.

Solid Waste Section


- The purpose of the rules is to establish minimum standards governing the design, construction, installation, operation, and maintenance of solid waste disposal, recycling, reclamation and transfer systems.

- All facilities that accept solid wastes are required to obtain a solid waste management permit from the SWS. Examples of the types of facilities governed by these regulations include landfills, transfer stations and convenience centers, recycling facilities, composting facilities, and salvage facilities. Medical waste, infectious waste, and foreign waste treatment facilities are also included.

- Generators of solid waste are required to ensure that their wastes are properly delivered to permitted solid waste management facilities. Managers of construction and demolition projects should require their waste contractors to submit disposal receipts and invoices to ensure proper disposal of wastes.

For further information about these programs, please contact the Solid and Hazardous Waste Branch at (808) 586-4226.
Solid and Hazardous Waste Branch Standard Comments

- Chapter 342G, HRS, encourages the reduction of waste generation, reuse of discarded materials, and the recycling of solid waste. The project developer is highly encouraged to develop a solid waste management plan to ensure proper handling of wastes and divert recyclables from being landfilled. Ideally, the plan would seek to maximize waste diversion and minimize disposal. Such plans should include designated areas to promote the collection of reusable and recyclable materials.

Office of Solid Waste Management

- The Office of Solid Waste Management (OSWM) administers statewide integrated solid waste management planning activities, which apply to the counties, as well as various recycling programs, e.g. the Glass Advance Disposal Fee (ADF) and Deposit Beverage Container (DBC) Programs. Management of the DBC Program is conducted pursuant to chapter 342G, HRS, which contains compliance and enforcement provisions, and chapter 11-282, HAR, "Deposit Beverage Recycling" [http://health.hawaii.gov/hi5/rules-regulations-additional-links/]. OSWM is also responsible for limited enforcement and compliance of solid waste management facilities that operate primarily as certified DBC redemption centers pursuant to chapter 342H, HRS, and chapter 11-58.1, HAR, "Solid Waste Management Control" [http://health.hawaii.gov/shwb/solid-waste/]. Authority for the integrated solid waste management planning and ADF programs is contained in chapter 342G, HRS.

- Glass Advance Disposal Fee Program: Businesses that import glass containers into Hawaii are required to register with the Department of Health and pay a 1.5 cent per container fee. Fee revenue is distributed to the counties for the operation of glass recycling programs.

- Deposit Beverage Container Program: Business that manufacture or import deposit beverage containers into Hawaii are required to register with the Department of Health and pay the five cent deposit and one cent container fee on each deposit container. Deposits and fees are deposited into a special fund and are used to reimburse DBC redemption center refunds paid to consumers; and to pay handling fees to redemption/recycling companies to process and recycle collected deposit beverage containers; and to pay program administrative costs.

- The Department of Health reimburses and pays an associated handling fee for the redemption of deposit beverage containers (DBC). These transactions are conducted only with certified redemption centers. Certification requires obtaining a solid waste management permit from the SWS (which addresses environmental issues) and a certification from the DBC program (which standardizes the redemption process).

- Chapter 342G, HRS, encourages the reduction of waste generation, reuse of discarded materials, and the recycling of solid waste. Businesses, property managers and developers, and government entities are highly encouraged to develop solid waste management plans to ensure proper handling of wastes and divert recyclables from being landfilled. The project developer is highly encouraged to develop a solid waste management plan to ensure proper handling of wastes and divert recyclables from being landfilled. Ideally, the plan would seek to

For further information about these programs, please contact the Solid and Hazardous Waste Branch at (808) 586-4226.
Solid and Hazardous Waste Branch Standard Comments
maximize waste diversion and minimize disposal. Such plans should include designated areas to promote the collection of reusable and recyclable materials.

• Solid waste management plans seek to maximize waste diversion and minimize disposal. Such plans should include designated areas to promote the collection of reusable and recyclable materials.

Underground Storage Tank Program

• The state's underground storage tank (UST) regulations, found in chapter 11-280.1, HAR, [http://health.hawaii.gov/shwb/underg_round-storage-tanks/], include specific requirements that UST owners and operators must meet when installing, operating, and permanently closing their UST systems and addressing releases from USTs. Violations are subject to penalties under chapter 11-280.1, HAR, and chapter 342L, HRS.

• A permit is required prior to the installation and operation of a UST. Any new UST system that will be installed must have secondary containment with interstitial monitoring. Refer to subchapters 2, 3, 4, and 12 of chapter 11-280.1, HAR. The installation permit expires 1 year from the date of issuance. The operation permit expires 5 years from the date of issuance.

• §11-280.1-50, HAR, requires owners and operators of USTs or tank systems to notify DOH within twenty-four (24) hours and follow the procedures in § 11-280.1-52, HAR, if any of the following occur, with specific exceptions found in the rules:
1) The discovery by any person of evidence of regulated substances which may have been released at the UST site or in the surrounding area (such as the presence of free product or vapors in soils, basements, sewer and utility lines, or nearby surface water);
2) Unusual UST system operating conditions observed or experienced (such as the erratic behavior of product dispensing equipment, the sudden loss of product from the UST, or an unexplained presence of water in the tank); or
3) Monitoring results from a release detection method required under §§11-280.1-41 or 11-280.1-42 indicate a release may have occurred.

March 3, 2021

Michelle Aragon  
Office Assistant  
Solid and Hazardous Waste Branch  
State of Hawaii | Department of Health  
2827 Waimano Home Road, #100, Pearl City, HI 96782  

RE: Comments for 2020/ED-9 (JML) Moore Residence

Thank you for providing us with your Solid and Hazardous Waste Branch Standard Comments dated November 26, 2018.

We have taken into consideration the recommendation that a designated area should be considered to promote the collection of reusable and recyclable materials to maximize waste diversion and minimize disposal.

Thank you,

Dale Moore  
Patricia Moore
OHA Comment Re: DEA for Moore Residence in Haleiwa

1 message

Kamakana Ferreira <kamakanaf@oha.org> Mon, Feb 22, 2021 at 10:57 AM
To: "j.meinkelau@honolulu.gov" <j.meinkelau@honolulu.gov>
Cc: "gazelle@edbhhawaii.com" <gazelle@edbhhawaii.com>

Aloha Ms. Meinke-Lau,

The Office of Hawaiian Affairs (OHA) is in receipt of your letter dated January 25, 2021, inviting us to review the draft environmental assessment (DEA) for the proposed construction of a new detached two-family dwelling in Haleiwa, O'ahu, TMK (1) 6-6-001: 029. Envision Design Build, LLC, has prepared the DEA on behalf of the applicant, Dale and Patricia Moore, pursuant to Hawai'i Revised Statutes (HRS) Chapter 343. The proposed dwelling will be 2,958 sq.ft. and include installation of a waste water system. OHA provides the following comments on archaeological and cultural resources.

Archaeological Resources

In review of the DEA, it does not appear archaeological work specific to the parcel has been carried out. However, the DEA notes that human burials were found nearby at the Haleiwa Joe’s restaurant and references archaeological work that occurred for a nearby guardrail project. The DEA further indicates that the project was submitted to the State Historic Preservation Division (SHPD) for review back in March of 2020, but no reply has yet been received.

While the project area is characterized as previously disturbed and graded, OHA still believes SHPD review is necessary pursuant to HRS 6E-42. OHA thus urges the County and applicant not to proceed with any ground disturbing work until SHPD review is complete. OHA requests to be provided with copies of any SHPD comments.

Cultural Resources

The DEA includes cultural resources as part of the discussion with archaeological resources without an apparent methodology specific to analyzing cultural impacts. While cultural practices can often occur on historic properties and historic properties can in fact be considered cultural resources, this is not always the case. To minimize confusion, other DEAs have addressed historic properties and cultural resources in separate sections. The difference is crucial as different methodologies are used to identify historic properties and cultural practices associated with cultural resources. The process for documenting cultural practices involves a greater degree of consultation and outreach, whereas an archaeological study or report may not always require consultation and often solely relies on material findings.

Guidelines for assessing cultural impacts are provided by the Office of Environmental Quality Control (OEQC) in the Guide to Implementation and Practice of the Hawaii Environmental Policy Act, Exhibit 1-1, 2012 Edition. The process should involve an attempt to consult with community folks and cultural practitioners to ascertain ethnographic information on cultural resources and practices that occur on the site or in the broader area. As the DEA fails to mention any type of outreach specific to cultural related consultation, it is unclear if the project will effect cultural practices occurring nearby. We thus encourage the applicant to complete a cultural analysis or cultural impact assessment (CIA) that is compliant with these guidelines and minimally reach out to any recognized descendants from the area.
OHA would further like to remind the applicant that the lack of any formal methodology or explanation specifically targeted at traditional and customary practices could prevent the approving agency from assessing the identity and scope of valued cultural and natural resources in the area. Articles IX and XII of the State of Hawai‘i Constitution requires that government agencies must “promote and preserve cultural beliefs, practices, and resources of Native Hawaiians and other ethnic groups.” Article XII Section 7 of the State of Hawai‘i Constitution states:

“the State reaffirms and shall protect all rights, customarily and traditionally exercised for subsistence, cultural and religious purposes and possessed by ahupua’a tenants who are descendants of native Hawaiians who inhabited the Hawaiian Islands prior to 1778…”

In *Ka Pa’akai O Ka ‘Aina v. Land Use Commission*, 94 Haw. 31 (2000), hereinafter Ka Pa‘akai, the Hawai‘i Supreme Court, reiterated the importance of Section 7 and reaffirmed that the State and its agencies are obligated to reasonably protect the traditional and customary rights of Hawaiians. The Supreme Court ruling States that agencies are obligated to make the assessment of cultural practices, independent of a developer or applicant. Typically, information gathered during a CIA or cultural impact study during HRS 343 can help to inform the approving agency during the Ka Pa‘akai process. However, there is no apparent outreach methodology for how cultural impacts were assess within the DEA.

The Ka Pa‘akai court decision set forth that a proper analysis of cultural impacts shall include: 1) the identity and scope of valued cultural, historical, or natural resources in the subject area, including the extent to which traditional and customary native Hawaiian rights are exercised; 2) the extent to which those resources – including traditional and customary native Hawaiian rights – will be affected or impaired by the proposed action; and, 3) the feasible action, if any, to be taken by the (agency) to reasonably protect native Hawaiian rights if they are found to exist. Generally, the “subject area” is not restricted to the project area as areas adjacent to the project area could be indirectly or directly impacted by actions within the project area. OHA recommends that the applicant work with the approving agency to carefully evaluate the Ka Pa‘akai requirements and the OEQC guidelines for CIAs.

**Closing Remarks**

Mahalo for the opportunity to comment. We look forward to DEA revisions that addresses our concerns regarding cultural impacts and seeing the HRS 6E review process completed. Please feel free to contact me should you have any questions.

Mahalo,

*Kamakana C. Ferreira, M.A.*

Lead Compliance Specialist

Office of Hawaiian Affairs

*560 N. Nimitz Hwy*

Honolulu, Hi. 96817

(808)594-0227
March 3, 2021

Kamakana C. Ferreira, M.A.  
Lead Compliance Specialist  
Office of Hawaiian Affairs  
580 N. Nimitz Hwy  
Honolulu, Hi. 96817

RE: OHA Comment Re: DEA for Moore Residence in Haleiwa

Thank you for providing us with your comments on the draft environmental assessment (DEA) for the proposed construction of a new detached two-family dwelling in Haleiwa, O‘ahu, TMK (1) 6-6-001: 029.

We received a letter (attached) providing the SHPDs review and determination is no historic properties are affected for the current project.

We have reached out to Kehaulani Souza and Ka‘ahiki Solis via email to begin an inquiry into a cultural impact assessment.

Thank you,

Dale Moore  
Patricia Moore
December 28, 2020

Ms. Kathy Sokugawa, Acting Director
Department of Planning and Permitting
City and County of Honolulu
One Main Plaza Building
650 South King Street
Honolulu, Hawaii 96813

Dear Ms. Sokugawa:


Applicant Name: Dale and Patty Moore
Kawaiola Ahupua’a, Waialua District, Island of O‘ahu
TMK: (1) 6-6-001:029

This letter provides the State Historic Preservation Division’s (SHPD’s) review of this subject permit application for the proposed detached two-family dwelling at 66-084 Haleiwa Road. The SHPD received this permit application on March 26, 2020 which included an HRS 6E Submittal Form, a TMK plat map, construction plans, and photos of the project area. The subject parcel totals 15,984 sq. ft. According to the submittal, previous ground disturbance included the installation of two individual wastewater systems and leach fields in the 1950s and the removal of five trees in 2018. Subsurface disturbance will include excavation to a maximum of 3 ft. below grade.

A review of our records shows that no archaeological inventory survey has been conducted for the subject parcel. According to our geographical information systems (GIS) the subject parcel has been previously disturbed during the construction of the existing dwelling. In addition, no historic properties are within the immediate vicinity. The USDA (Foote et al. 1972) identifies the soils in this area as Haleiwa silty clay, 0 - 2% slopes (HeA).

Based on the information provided and due to the minimal amount of subsurface disturbance within the footprint of the existing disturbed areas, SHPD’s determination is no historic properties affected for the current project. Pursuant to HAR §13-284-7(c), when the SHPD agrees that the action will not affect any significant historic properties, this is the SHPD’s written concurrence and historic preservation review ends. The HRS 6E historic preservation review process is ended. The permit issuance process may proceed.

Please attach to permit: In the unlikely event that subsurface historic resources, including human skeletal remains, structural remains, cultural deposits, artifacts, sand deposits, or sink holes are identified during the demolition and/or construction work, cease work in the immediate vicinity of the find, protect the find from additional disturbance, and contact the State Historic Preservation Division, at (808) 692-8015.

Please contact Susan A. Lebo, Archaeology Branch Chief, at Susan.A.Lebo@hawaii.gov or at (808) 321-9000, for matters regarding archaeological resources or this letter.
Fwd: OHA Comment Re: DEA for Moore Residence in Haleiwa
1 message

Patty Moore <mooreohana@gmail.com>  Fri, Mar 5, 2021 at 11:27 AM
To: Gazelle Garner <gazelle@edbhawaii.com>

Added comments from OHA in response to my response to their initial comments:

Patricia "Patty" Moore PB (R) CRS
Moore Real Estate LLC
RB-16081
(808) 741-1107

-------- Forwarded message --------
From: Kamakana Ferreira <kamakanaf@oha.org>
Date: Fri, Mar 5, 2021 at 9:37 AM
Subject: RE: OHA Comment Re: DEA for Moore Residence in Haleiwa
To: Patty Moore <mooreohana@gmail.com>

Mahalo for the response Patty. Its great to hear that SHPD was able to complete their review and issue a determination of no effect. It is also great to see that you are working with Kehau and Ka‘ahiki on the cultural assessment.

OHA has no further concerns at this time, but would like an opportunity to review the results of the cultural assessment work when available.

Mahalo,

Kamakana C. Ferreira, M.A.
Lead Compliance Specialist
Office of Hawaiian Affairs
560 N. Nimitz Hwy
Honolulu, HI 96817

(808)594-0227
Ms. Gazelle Garner  
envision.design.build, LLC  
P.O. Box 1105  
Haleiwa, Hawai‘i 96712

Subject: Technical Assistance Regarding the DEA for the Moore Residence Haleiwa O‘ahu

Dear Ms. Garner:

Thank you for your recent correspondence requesting technical assistance on species biology, habitat, or life requisite requirements. The Pacific Islands Fish and Wildlife Office (PIFWO) of the U.S. Fish and Wildlife Service (Service) appreciates your efforts to avoid or minimize effects to protected species associated with your proposed actions. We provide the following information for your consideration under the authorities of the Endangered Species Act (ESA) of 1973 (16 U.S.C. 1531 et seq.), as amended.

Due to significant workload constraints, PIFWO is currently unable to specifically address your information request. The table below lists the protected species most likely to be encountered by projects implemented within the Hawaiian Islands. Based on your project location and description, we have noted the species most likely to occur within the vicinity of the project area, in the ‘Occurs In or Near Project Area’ column. Please note this list is not comprehensive and should only be used for general guidance. We have added to the PIFWO website, located at https://www.fws.gov/pacificislands/promo.cfm?id=177175840 recommended conservation measures intended to avoid or minimize adverse effects to these federally protected species and best management practices to minimize and avoid sedimentation and erosion impacts to water quality.

If you are representing a federal action agency, please use the official species list on our web-site for your section 7 consultation. You can find out if your project occurs in or near designated critical habitat here: https://ecos.fws.gov/ipac/.
Under section 7 of the ESA, it is the Federal agency’s (or their non-Federal designee) responsibility to make the determination of whether or not the proposed project “may affect” federally listed species or designated critical habitat. A “may affect, not likely to adversely affect” determination is appropriate when effects to federally listed species are expected to be discountable (i.e., unlikely to occur), insignificant (minimal in size), or completely beneficial. This conclusion requires written concurrence from the Service. If a “may affect, likely to adversely affect” determination is made, then the Federal agency must initiate formal consultation with the Service. Projects that are determined to have “no effect” on federally listed species and/or critical habitat do not require additional coordination or consultation.

Implementing the avoidance, minimization, or conservation measures for the species that may occur in your project area will normally enable you to make a “may affect, not likely to adversely affect” determination for your project. If it is determined that the proposed project may affect federally listed species, we recommend you contact our office early in the planning process so that we may assist you with the ESA compliance. If the proposed project is funded, authorized, or permitted by a Federal agency, then that agency should consult with us pursuant to section 7(a)(2) of the ESA. If no Federal agency is involved with the proposed project, the applicant should apply for an incidental take permit under section 10(a)(1)(B) of the ESA. A section 10 permit application must include a habitat conservation plan that identifies the effects of the action on listed species and their habitats, and defines measures to minimize and mitigate those adverse effects.

We appreciate your efforts to conserve endangered species. We regret that we cannot provide you with more specific protected species information for your project site. If you have questions that are not answered by the information on our website, you can contact PIFWO at (808) 792-9400 and ask to speak to the lead biologist for the island where your project is located.

Sincerely,

Island Team Manager
Pacific islands Fish and Wildlife Office
The table below lists the protected species most likely to be encountered by projects implemented within the Hawaiian Islands. For your guidance, we’ve marked species that may occur in the vicinity of your project, this list is not comprehensive and should only be used for general guidance.

<table>
<thead>
<tr>
<th>Scientific Name</th>
<th>Common Name / Hawaiian Name</th>
<th>Federal Status</th>
<th>May Occur In Project Area</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mammals</strong></td>
<td></td>
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<td></td>
</tr>
<tr>
<td><em>Lasiurus cinereus semotus</em></td>
<td>Hawaiian hoary bat/ʻōpeʻapeʻa</td>
<td>E</td>
<td>☒</td>
</tr>
<tr>
<td><strong>Reptiles</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Chelonia mydas</em></td>
<td>Green sea turtle/honu - Central North Pacific distinct population segment (DPS)</td>
<td>T</td>
<td>☐</td>
</tr>
<tr>
<td><em>Erectmochelys imbricata</em></td>
<td>Hawksbill sea turtle/honu ʻea</td>
<td>E</td>
<td>☐</td>
</tr>
<tr>
<td><strong>Birds</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Anas wyvilliana</em></td>
<td>Hawaiian duck/koloa</td>
<td>E</td>
<td>☐</td>
</tr>
<tr>
<td><em>Branta sandvicensis</em></td>
<td>Hawaiian goose/nēnē</td>
<td>T</td>
<td>☐</td>
</tr>
<tr>
<td><em>Fulica alai</em></td>
<td>Hawaiian coot/ʻalae kea</td>
<td>E</td>
<td>☐</td>
</tr>
<tr>
<td><em>Gallinula galeata sandvicensis</em></td>
<td>Hawaiian gallinule/ʻalae ula</td>
<td>E</td>
<td>☐</td>
</tr>
<tr>
<td><em>Himantopus mexicanus knudseni</em></td>
<td>Hawaiian stilt/aeʻo</td>
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</tr>
<tr>
<td><em>Oceanodroma castro</em></td>
<td>Band-rumped storm-petrel Hawaiʻi DPS/ʻakēʻakē</td>
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<tr>
<td><em>Pterodroma sandwichensis</em></td>
<td>Hawaiian petrel/ʻuaʻu</td>
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<tr>
<td><em>Puffinus auricularis newelli</em></td>
<td>Newell’s shearwater/ʻaʻo</td>
<td>T</td>
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<tr>
<td><em>Ardenna pacifica</em></td>
<td>Wedge-tailed Shearwater/ʻuaʻu kani</td>
<td>MBTA</td>
<td>☒</td>
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<tr>
<td><em>Gygis alba</em></td>
<td>White Tern/manu-o-kū</td>
<td>MBTA</td>
<td>☐</td>
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<tr>
<td><em>Buteo solitarius</em></td>
<td>Hawaiian hawk/ʻio</td>
<td>MBTA</td>
<td>☐</td>
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<tr>
<td><strong>Insects</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td><em>Manduca blackburni</em></td>
<td>Blackburn’s sphinx moth</td>
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<tr>
<td><em>Megalagrion pacificum</em></td>
<td>Pacific Hawaiian Damselfly</td>
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<tr>
<td><em>Megalagrion xanthomelas</em></td>
<td>Orangeblack Hawaiian Damselfly</td>
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<tr>
<td><em>Megalagrion nigrohamatum nigrolineatum</em></td>
<td>Blackline Hawaiian Damselfly</td>
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<tr>
<td>Plants</td>
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<td>Common Name or Hawaiian Name</td>
<td>Federal Status</td>
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<tr>
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<td>----------------</td>
</tr>
<tr>
<td>Abutilon menziesii</td>
<td>Koʻoloa‘ula</td>
<td>E</td>
<td>O, L, M, H</td>
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<tr>
<td>Achyranthes splendens var. rotundata</td>
<td>‘Ewa hinahina</td>
<td>E</td>
<td>O</td>
</tr>
<tr>
<td>Bonamia menziesii</td>
<td>No common name</td>
<td>E</td>
<td>K, O, L, M, H</td>
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<tr>
<td>Canavalia pubescens</td>
<td>‘Awikiwiki</td>
<td>E</td>
<td>Ni, K, L, M</td>
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<tr>
<td>Colubrina oppositifolia</td>
<td>Kauila</td>
<td>E</td>
<td>O, M, H</td>
</tr>
<tr>
<td>Cyperus trachyansanthos</td>
<td>Pu‘uka‘a</td>
<td>E</td>
<td>K, O</td>
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<tr>
<td>Gouania hillebrandii</td>
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<td>Mo, M</td>
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<tr>
<td>Hibiscus brackenridgei</td>
<td>Ma‘o hau hele</td>
<td>E</td>
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<tr>
<td>Ischaemum byrone</td>
<td>Hilo ischaemum</td>
<td>E</td>
<td>K, O, Mo, M</td>
</tr>
<tr>
<td>Isodendrion pyrifolium</td>
<td>Wahine noho kula</td>
<td>E</td>
<td>O, H</td>
</tr>
<tr>
<td>Marsilea villosa</td>
<td>‘Ihi‘ihi</td>
<td>E</td>
<td>Ni, O, Mo</td>
</tr>
<tr>
<td>Mezoneuron kavaiense</td>
<td>Uhiuhi</td>
<td>E</td>
<td>O, H</td>
</tr>
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<td>Nothocestrum breviflorum</td>
<td>‘Aiea</td>
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<td>H</td>
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<td>Panicum fauriei var. carteri</td>
<td>Carter’s panicgrass</td>
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<td>Molokini Islet (O), Mo</td>
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<tr>
<td>Panicum niihauense</td>
<td>Lau‘ehu</td>
<td>E</td>
<td>K</td>
</tr>
<tr>
<td>Peucedanum sandwicense</td>
<td>Makou</td>
<td>E</td>
<td>K, O, Mo, M</td>
</tr>
<tr>
<td>Pleomele (Chrysodracon) hawaiiensis</td>
<td>Halapepe</td>
<td>E</td>
<td>H</td>
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<tr>
<td>Portulaca sclerocarpa</td>
<td>‘Ihi</td>
<td>E</td>
<td>L, H</td>
</tr>
<tr>
<td>Portulaca villosa</td>
<td>‘Ihi</td>
<td>E</td>
<td>Le, Ka, Ni, O, Mo, M, L, H, Nihoa</td>
</tr>
<tr>
<td>Pritchardia affinis (maideniana)</td>
<td>Loulu</td>
<td>E</td>
<td>H</td>
</tr>
<tr>
<td>Pseudognaphalium sandwicensium var. molokaiense</td>
<td>‘Ena‘ena</td>
<td>E</td>
<td>Mo, M</td>
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<tr>
<td>Scaevola coriacea</td>
<td>Dwarf naupaka</td>
<td>E</td>
<td>Mo, M</td>
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<tr>
<td>Schenokia (Centaurium) sebaceoides</td>
<td>‘Āwiwi</td>
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<td>K, O, Mo, L, M</td>
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<tr>
<td>Sesbania tomentosa</td>
<td>‘Ōhai</td>
<td>E</td>
<td>Ni, Ka, K, O, Mo, M, L, H, Neckers, Nihoa</td>
</tr>
<tr>
<td>Tetramolopium rockii</td>
<td>No common name</td>
<td>T</td>
<td>Mo</td>
</tr>
<tr>
<td>Vigna o-wahuensis</td>
<td>No common name</td>
<td>E</td>
<td>Mo, M, L, H, Ka</td>
</tr>
</tbody>
</table>

Location key: O=Oʻahu, K=Kauaʻi, M=Mau, H=Hawaiʻi Island, L=Lānaʻi, Mo=Molokaʻi, Ka=Kahoʻolawe, Ni=Niʻihau, Le=Lehua
March 3, 2021

Aaron Nadig  
United States Department of the Interior  
Island Team Manager  
Pacific Island Fish and Wildlife Office  
300 Ala Moana Blvd, Room 3-122  
Honolulu HI 96850

RE: reference number 01EPIF00-2021-TA-0198.

Thank you for your review of the Draft Environmental Assessment document and comments submitted to us.

We have taken into consideration the following species which your technical assistance has identified as mostly to occur in or near the project area:

Hawaiian Hoary Bat  
Band-rumped storm-petrel  
Hawaiian petrel  
Newell’s shearwater  
Wedge-tailed Shearwater

We will therefore use the following measures to avoid and minimize impacts to these species:

We will not remove, trim woody plants greater than 15 feet tall during Hoary Bat birthing and rearing season (June through September)  
We will shield outdoor lights so the bulbs can only be seen from below  
We will not undertake any night time construction as to disorient the shearwaters and petrels  
We will survey the project area during March – November to determine the presence and location of any nesting areas of the shearwaters and petrels

Thank you,

Dale Moore  
Patricia Moore

Cc: Charmian Dang, charmian_dang@fws.gov
March 2, 2021

Mr. Dean Uchida
Director
Department of Planning & Permitting
City & County of Honolulu
650 South King Street, 7th Floor
Honolulu, Hawaii 96813

Dear Mr. Uchida:

Subject: Draft Environmental Assessment (DEA)
Dale & Patricia Moore Residence
66-084 & 66-085 A Haleiwa Road, Haleiwa, Hawaii 96712
TMK (1) 6-6-001: 029

Thank you for allowing us the opportunity to provide comments for the subject DEA. The Department of Health records indicate that two (2) septic systems have been approved for use for the subject property. We have no other comments to offer for the subject DEA.

Should you have any questions, please call Mr. Mark Tomomitsu of my staff at 586-4294.

Sincerely,

SINA PRUDER, P.E., CHIEF
Wastewater Branch

LM/MST:lmj

c: Ms. Janet Meinke-Lau, Envision.Design.Build LLC, via email: gazelle@edbhiawai.com
March 3, 2021

Sina Pruder, P.E. Chief
Wastewater Branch
State of Hawaii
Department of Health
P.O. Box 3378
Honolulu HI 96801

RE: Draft Environmental Assessment (DEA) LUD – 1 6 6 001 029 DEA
Dale and Patricia Moore ID 5505
66-084 and 66-084A Haleiwa Road Oahu Hawaii TMK (1) 6-6-001:029

Thank you for informing us that the Department of Health Wastewater Branch has reviewed the draft environmental assessment (DEA) for the proposed construction of a new detached two-family dwelling in Haleiwa, O‘ahu, TMK (1) 6-6-001: 029, that your records indicate that two (2) septic systems have been approved for the subject property and there are no other comments to offer for the subject DEA.

Thank you,

Dale Moore
Patricia Moore

C: Mark Tomomitsu
March 3, 2021

Mr. Dean Uchida, Director
Department of Planning and Permitting
City and County of Honolulu
650 South King Street, 7th Floor
Honolulu, Hawaii 96813

Attn: Ms. Janet Meinke-Lau

Dear Mr. Uchida:

Subject: Chapter 25, Revised Ordinances of Honolulu, Draft Environmental Assessment for Construction of a New Two-Family Detached Dwelling, 66-084 and 66-085-A Haleiwa Road, Haleiwa, Oahu, Hawaii; Tax Map Key: (1) 6-6-001: 029

Thank you for the opportunity to provide comments on the subject Draft Environmental Assessment (Draft EA), transmitted via letter, received February 9, 2021.

According to the Draft EA, the applicant proposes to build a new detached two-family dwelling on their 15,984 square foot (sf) lot. The proposed detached two-family dwelling consists of a two-story, 2,958 sf structure with three bedrooms; four baths; two half baths, an open plan kitchen, dining and living area; a lanai and stairs; a den and an entertainment room; and two parking garages. The proposed detached two-family dwelling will be built identical to the existing detached two-family dwelling, which was recently constructed on the same parcel. For utilities, an individual wastewater system is designed and approved, meeting all regulatory requirements.

The project is located on Haleiwa Road, North Shore, Waialua, Island of Oahu. The property is zoned residential R-S, State Urban Land Use District.

The project is situated within the county designated special management area (SMA), and construction cost for the proposed and existing dwelling is estimated at $776,849, which requires a SMA Use Permit.
Mr. Dean Uchida  
March 3, 2021  
Page 2

The 3.2-foot sea level rise exposure area does not reach the property area. The proposed detached two-family dwelling and the existing two-family detached dwelling are designed to be 6 feet above the base flood elevation.

There is no grading required, and the proposed new dwelling project will take approximately 7-9 months to complete.

The Office of Planning has reviewed the subject Draft EA and has no comments to offer.

If you have any questions regarding this letter, please contact Shichao Li of our office at (808) 587-2841.

Sincerely,

Mary Alice Evans  
Director

c: Mr. Gazelle Garner
March 3, 2021

Mary Alice Evans
Director
Office of Planning
State of Hawaii
235 South Beretania Street
6th Floor
Honolulu HI 96813

RE: Chapter 25, Revised Ordinances of Honolulu, Draft Environmental Assessment for Construction of a New Two-Family Detached Dwelling, 66-084 and 66-084A Haleiwa Road Oahu Hawaii TMK (1) 6-6-001:029

Thank you for informing us that the Office of Planning has reviewed the draft environmental assessment (DEA) for the proposed construction of a new detached two-family dwelling in Haleiwa, O‘ahu, TMK (1) 6-6-001:029 and has no comments to offer.

Thank you,

Dale Moore
Patricia Moore

C: Shichao Li
Standard Comments for Land Use Reviews
Clean Air Branch
Hawaii State Department of Health

If your proposed project:

Requires an Air Pollution Control Permit
You must obtain an air pollution control permit from the Clean Air Branch and comply with all applicable conditions and requirements. If you do not know if you need an air pollution control permit, please contact the Permitting Section of the Clean Air Branch.

Includes construction or demolition activities that involve asbestos
You must contact the Asbestos Abatement Office in the Indoor and Radiological Health Branch.

Has the potential to generate fugitive dust
You must control the generation of all airborne, visible fugitive dust. Note that construction activities that occur near to existing residences, business, public areas and major thoroughfares exacerbate potential dust concerns. It is recommended that a dust control management plan be developed which identifies and mitigates all activities that may generate airborne, visible fugitive dust. The plan, which does not require Department of Health approval, should help you recognize and minimize potential airborne, visible fugitive dust problems.

Construction activities must comply with the provisions of Hawaii Administrative Rules, §11-60.1-33 on Fugitive Dust. In addition, for cases involving mixed land use, we strongly recommend that buffer zones be established, wherever possible, in order to alleviate potential nuisance complaints.

You should provide reasonable measures to control airborne, visible fugitive dust from the road areas and during the various phases of construction. These measures include, but are not limited to, the following:

a) Planning the different phases of construction, focusing on minimizing the amount of airborne, visible fugitive dust-generating materials and activities, centralizing on-site vehicular traffic routes, and locating potential dust-generating equipment in areas of the least impact;
b) Providing an adequate water source at the site prior to start-up of construction activities;
c) Landscaping and providing rapid covering of bare areas, including slopes, starting from the initial grading phase;
d) Minimizing airborne, visible fugitive dust from shoulders and access roads;
e) Providing reasonable dust control measures during weekends, after hours, and prior to daily start-up of construction activities; and
f) Controlling airborne, visible fugitive dust from debris being hauled away from the project site.

If you have questions about fugitive dust, please contact the Enforcement Section of the Clean Air Branch

<table>
<thead>
<tr>
<th>Clean Air Branch</th>
<th>Indoor Radiological Health Branch</th>
</tr>
</thead>
<tbody>
<tr>
<td>(808) 586-4200</td>
<td>(808) 586-4700</td>
</tr>
<tr>
<td><a href="mailto:cab@doh.hawaii.gov">cab@doh.hawaii.gov</a></td>
<td></td>
</tr>
</tbody>
</table>

April 1, 2019
March 3, 2021

Lisa M. M. Wallace
EHA QA Officer
Clean Air Branch
Environmental Health Office
Hilo HI 96720

RE: Draft Environmental Assessment (DEA)
Dale and Patricia Moore
66-084 and 66-084A Haleiwa Road Oahu Hawaii TMK (1) 6-6-001:029

Thank you for the link to your standard comments. After review of the Clean Air Branch Standard Comments dated April 1, 2019, we will certainly adhere to your recommended dust control management.

At this time, the residential project site is surrounded with fencing and a dust barrier with a chain link gate approximately 45 feet across. This chain link gate allows access onto the site for construction equipment, construction vehicles, transportation vehicles, delivery trucks and can accommodate any large vehicle with ease. Dust control measures will be applied to minimize dust emissions. Dust barriers will be installed along with watering the ground to minimize loss of soil and to control airborne and fugitive dust from the site.

Once construction commences, we will reassess the project’s dust impact and adjust accordingly.

Thank you

Dale Moore, owner
Patty Moore, owner
February 19, 2021

Ms. Gazelle Garner
Envision Design Build, LLC
P. O. Box 1105
Haleiwa, Hawaii 96712

Dear Ms. Garner:

SUBJECT: Draft Environmental Assessment
Moore Residence (Project)
Tax Map Key 6-6-001:029

Thank you for the opportunity to review and comment on the proposed construction of a new two-family detached dwelling located in the Special Management Area of Haleiwa.

The Department of Parks and Recreation has no comment as the proposed improvements will replace an existing two family detached dwelling, hence there is no Park Dedication Ordinance requirement.

Should you have any questions, please contact Mr. John Reid, Planner, at 768-3017.

Sincerely,

Laura H. Thielen
Director

LHT:jr
(840869)

cc: Janet Meinke-Lau, Urban Design Branch, Department of Planning and Permitting
March 3, 2021

Laura Thielen
Director
City and County of Honolulu
Department of Parks and Recreation
1000 Uluohia Street #309
Kapolei HI 96707

RE: Draft Environmental Assessment Moore Residence (Project) TMK 6-6-001:29

Thank you for response on the draft environmental assessment (DEA) for the proposed construction of a new detached two-family dwelling in Haleiwa, O'ahu, TMK (1) 6-6-001: 029. To clarify, we did pay a park dedication fee in the amount of $14,550.00 and did so on August 8, 2019.

Dale Moore
Patricia Moore
MEMORANDUM

TO: Dean Uchida, Director
   Department of Planning and Permitting

FROM: J. Roger Morton, Director Designate
       Department of Transportation Services

SUBJECT: Moore Residence - Proposed New Detached Two Family Dwelling and
         Existing Detached Two Family Dwelling
         Draft Environmental Assessment – Anticipated Findings of No Significant
         Impact

Thank you for the opportunity to provide written comments regarding the subject project. We have the following comments.

1. **Street Usage Permit.** A street usage permit from the Department of Transportation Services should be obtained for any construction-related work that may require the temporary closure of any traffic lane or pedestrian mall on a City street.

2. **Neighborhood Impacts.** The area representatives, neighborhood board, as well as the area residents, businesses, emergency personnel (fire, ambulance, and police), Oahu Transit Services, Inc. (TheBus and TheHandi-Van), etc., should be kept apprised of the details and status throughout the project and the impacts that the project may have on the adjoining local street area network.

Thank you for the opportunity to review this matter. Should you have any questions, please contact Mike Motoki, of my staff, at 768-6684.
March 3, 2021

J. Roger Morton
Director Designate
Department of Transportation Services
650 South King Street 3rd Floor
Honolulu HI 96813

RE: Moore Residence; Proposed New Detached Two Family Dwelling and Existing Detached Two Family Dwelling
Draft Environmental Assessment – Anticipated Findings of No Significant Impact

Thank you for your comments on the draft environmental assessment (DEA) for the proposed construction of a new detached two-family dwelling in Haleiwa, O'ahu, TMK (1) 6-6-001: 029.

In response to your comments-

1. Street Usage Permit. A street usage permit from the Department of Transportation Services will be obtained if construction related work requires the temporary closure of any traffic lane or pedestrian mall on a city street.

2. Neighborhood Impacts. The area representatives, neighborhood board, as well as the area residents, businesses, emergency personnel (fire, ambulance, and policy) Oahu Transit Services, Inc. (TheBus and TheHandi Van) etc., will be kept apprised of details and the status of impacts that the project may have on adjoining local street area network.

Thank you,

Dale Moore
Patricia Moore

Cc: Mike Motoki, Department of Transportation Services
TO: DEAN UCHIDA, DIRECTOR DESIGNATE
DEPARTMENT OF PLANNING AND PERMITTING

ATTN: JANET MEINKE-LAU

FROM: ERNEST Y. W. LAU, P.E., MANAGER AND CHIEF ENGINEER

SUBJECT: YOUR MEMORANDUM DATED FEBRUARY 5, 2021 REQUESTING
COMMENTS ON THE DRAFT ENVIRONMENTAL ASSESSMENT FOR THE
PROPOSED NEW TWO-FAMILY DETACHED DWELLING FOR THE MOORE
RESIDENCE PROJECT AT 66-084 AND 66-085-A HALEIWA ROAD

The existing water system is adequate to accommodate the proposed development. However,
please be advised that this information is based upon current data, and therefore, the Board of
Water Supply reserves the right to change any position or information stated herein up until the
final approval of the building permit application. The final decision on the availability of water will
be confirmed when the building permit application is submitted for approval.

When water is made available, the applicant will be required to pay our Water System Facilities
Charges for resource development, transmission, and daily storage.

Water conservation measures are required for all proposed developments. These measures
include utilization of nonpotable water for irrigation using rain catchment, drought tolerant plants,
exeriscape landscaping, efficient irrigation systems, such as a drip system and moisture sensors,
and the use of Water Sense labeled ultra-low flow water fixtures and toilets.

Individual water meters will be allowed for each dwelling; however, meters will be issued
separately upon final approval of the individual building permits. One master meter for the
development, with submeters to individual dwellings, will also be allowed.

The on-site fire protection requirements should be coordinated with the Fire Prevention Bureau
of the Honolulu Fire Department.

If you have any questions, please contact Robert Chun, Project Review Branch of our Water
Resources Division at 748-5443.
March 3, 2021

Ernest Y.W Lau  
PE Manager and Chief Engineer  
Board of Water Supply  
City and County of Honolulu  
630 S. Beretania Street  
Honolulu HI 96843

RE: Comments on the Draft Environmental Assessment for the proposed new two-family Detached dwelling for the Moore Residence Project at 66-084 and 66-084A Haleiwa Road, Haleiwa HI 96712

Thank you for your comments on the draft environmental assessment (DEA) for the proposed construction of a new detached two-family dwelling in Haleiwa, O‘ahu, TMK (1) 6-6-001: 029.

We understand that the Board of Water Supply has the right to change any information or position stated in their response to our memorandum for comments for the above project and the final decision on the availability of water will be confirmed when the building permit application is submitted for approval. We understand that there will be a Water System Facilities Charge and payment is required for same.

We understand that water conservation measures are required, and those measures have be incorporated into the proposed project as outlined in the DEA.

We understand water meters will be issued separately upon final approval of the building permit, or one master meter for the development with submeters to individual dwellings would also be allowed.

Our on-site fire protection requirements have been addressed with the appropriate agencies.

Thank you,

Dale Moore  
Patricia Moore
Ms. Gazelle Garner  
Envision.design.build, LLC  
P.O. Box 1105  
Haleiwa, Hawaii 96712  

Dear Ms. Garner:  

SUBJECT: Comments  
Draft Environmental Assessment (DEA)  
Moore Residence  
66-084 and 66-084-A Haleiwa Road – Haleiwa  
Tax Map Key 6-6-001: 029  

This responds to your request for comments regarding the DEA for the Moore Residence.  

Comments from the Department of Planning and Permitting (DPP) include:  

A. Planning Division:  

1. The proposed project is consistent with the North Shore Sustainable Communities Plan (NSSCP). However, we emphasize certain NSSCP guidelines for residential communities (Section 3.5) related to minimizing the amount of paved driveway surfaces, along with landscaping and design alternatives that reduce impervious surfaces. To reduce the impacts of potential flooding, it is recommended you use paving materials that allow water filtration, reduce the total hardscape square footage, and implement permeable walkway designs.  

2. Indicate if the installed septic systems and leach beds are designed to be flood-resistant.
B. **Site Development Division:**

1. Access should be 18 feet minimum wide paved and clear for 50 feet minimum from Haleiwa Road to service the proposed four-unit development with Haleiwa Road being 20 feet minimum wide paved.

2. There is a road-widening setback of 8 feet along Haleiwa Road frontage.

3. The project shall comply with the applicable provisions of the Revised Ordinances of Honolulu Chapter 21A (Flood Hazard Areas) and the prevailing soil erosion and storm water quality standards (Rules Relating to Water Quality). The Project’s compliance with the Rules Relating to Water Quality will be verified at the time that the building permit application is submitted to DPP for review.

4. Post-construction Elevation Certificates with the “Finished Construction” box checked off are a requirement for the closure of the building permit; it appears that they were not submitted for the two-family dwelling and storage building completed last year. In order to comply with all applicable flood hazard requirements, the Applicant must submit post-construction Elevation Certificates for the existing two-family dwelling, the storage building, and the proposed second two-family dwelling.

Enclosed are your receipts for the Environmental Assessment processing fee. We are returning your old checks as they are dated over three months ago and are no longer acceptable.

Should you have any further questions on this matter, please contact Janet Meinke-Lau, of our Urban Design Branch, at (808) 768-8033 or by email at j.meinkelau@honolulu.gov.

Very truly yours,

[Signature]

Dean Uchida
Director

Enclosure:  Receipt Nos. 129827 and 129828
Check Nos. 0541 and 0552
March 15, 2021

Director Dean Uchida
Department of Planning and Permitting
City and County of Honolulu
650 South King Street, 7th Floor
Honolulu, Hawaii 96813

RE: Comments
Draft Environmental Assessment (DEA)
Moore Residence
66-084 and 66-084A Haleiwa Rd – Haleiwa
TMK 6-6-001:029

Dear Director Dean Uchida,

Thank you for your comments to our DEA for the Moore Residence. Below are the responses to the items in your letter:

A. Planning Division:
   1. The landscape plan provided on Figure 21 of the DEA proposes approximately 7,800sf of impervious surface, or 49% of the lot. This meets the new RSWMP requirement which was not yet in place at the time the permit was submitted in 2018. The owners will explore options for paving materials that allow water filtration.

   2. The septic system design was approved by the State of Hawaii Heath Department in July 2017. The systems were installed, inspected and received use certification and approval in April of 2020 and have been in use and functioning as designed. The recent heavy rains this month did not impact the IWS. The Oreno 1,500 gallon tank is flood proof/resistant. It has above ground sealed lids, all clean outs have above ground leak proof cups. The leach fields are designed for water to percolate and evaporate.

B. Site Development Division:
   1. The existing concrete driveway was built as a part of BP # 823948 and complies with the required 18ft minimum wide paved and clear for 50 feet minimum requirement from Haleiwa Road. It is called out and indicated on the Site Plan provided on Sheet A001 of Appendix 2.
2. The proposed project was designed to comply with this requirement. The road widening setback is labeled and dimensioned on Sheet A001 of Appendix 2.

3. The proposed project was designed to comply with provisions of the Revised Ordinances of Honolulu Chapter 21A (Flood Hazard Areas). The flood zones are indicated on the Site Plan on Sheet A001 of Appendix 2, the finished floor height for the proposed structure is indicated on Sheet A006 of Appendix 2 with the flood labeled to indicate compliance. In addition, the stamped Elevation Certificate and Flood Fringe District Certification have been included as part of the Building Permit Application for the proposed structure. An Erosion Sediment Control Plan is provided with the Building Permit Application, along with the required Appendix for Storm Water Quality Review.

4. The owners will comply with the requirement to submit the post-construction Elevation Certificate.

Respectfully,

Gazelle Garner
Agent for Owners, Mr. & Mrs. Moore
FEMA

NATIONAL FLOOD INSURANCE PROGRAM

ELEVATION CERTIFICATE

AND

INSTRUCTIONS

2015 EDITION
Purpose of the Elevation Certificate

The Elevation Certificate is an important administrative tool of the National Flood Insurance Program (NFIP). It is to be used to provide elevation information necessary to ensure compliance with community floodplain management ordinances, to determine the proper insurance premium rate, and to support a request for a Letter of Map Amendment (LOMA) or Letter of Map Revision based on fill (LOMR-F).

The Elevation Certificate is required in order to properly rate Post-FIRM buildings, which are buildings constructed after publication of the Flood Insurance Rate Map (FIRM), located in flood insurance Zones A1–A30, AE, AH, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, and AR/AR. The Elevation Certificate is not required for Pre-FIRM buildings unless the building is being rated under the optional Post-FIRM flood insurance rules.

As part of the agreement for making flood insurance available in a community, the NFIP requires the community to adopt floodplain management regulations that specify minimum requirements for reducing flood losses. One such requirement is for the community to obtain the elevation of the lowest floor (including basement) of all new and substantially improved buildings, and maintain a record of such information. The Elevation Certificate provides a way for a community to document compliance with the community's floodplain management ordinance.

Use of this certificate does not provide a waiver of the flood insurance purchase requirement. Only a LOMA or LOMR-F from the Federal Emergency Management Agency (FEMA) can amend the FIRM and remove the Federal mandate for a lending institution to require the purchase of flood insurance. However, the lending institution has the option of requiring flood insurance even if a LOMA/LOMR-F has been issued by FEMA. The Elevation Certificate may be used to support a LOMA or LOMR-F request. Lowest floor and lowest adjacent grade elevations certified by a surveyor or engineer will be required if the certificate is used to support a LOMA or LOMR-F request. A LOMA or LOMR-F request must be submitted with either a completed FEMA MT-EZ or MT-1 package, whichever is appropriate.

This certificate is used only to certify building elevations. A separate certificate is required for floodproofing. Under the NFIP, non-residential buildings can be floodproofed up to or above the Base Flood Elevation (BFE). A floodproofed building is a building that has been designed and constructed to be watertight (substantially impermeable to floodwaters) below the BFE. Floodproofing of residential buildings is not permitted under the NFIP unless FEMA has granted the community an exception for residential floodproofed basements. The community must adopt standards for design and construction of floodproofed basements before FEMA will grant a basement exception. For both floodproofed non-residential buildings and residential floodproofed basements in communities that have been granted an exception by FEMA, a floodproofing certificate is required.

**ELEVATION CERTIFICATE**

**Important:** Follow the instructions on pages 1–9.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

### SECTION A – PROPERTY INFORMATION

| A1. Building Owner's Name | Moore, Dale A. TR and Moore, Patricia TR |
| A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. | 66-84 HALEIWA RD |
| A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) | Residential |
| A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance. |
| A7. Building Diagram Number | 1B |
| A8. For a building with a crawlspace or enclosure(s): |
| a) Square footage of crawlspace or enclosure(s) | 1175.00 sq ft |
| b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade | N/A |
| c) Total net area of flood openings in A8.b | N/A sq in |
| d) Engineered flood openings? | Yes No |
| A9. For a building with an attached garage: |
| a) Square footage of attached garage | 936.00 sq ft |
| b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade | N/A |
| c) Total net area of flood openings in A9.b | N/A sq in |
| d) Engineered flood openings? | Yes No |

### SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

| B1. NFIP Community Name & Community Number | HONOLULU, CITY AND COUNTY OF - 150001 |
| B2. County Name | HONOLULU COUNTY |
| B3. State | Hawaii |
| B4. Map/Panel Number | 15003C0105 |
| B5. Suffix | H |
| B6. FIRM Index Date | 11/05/2014 |
| B7. FIRM Panel Effective/Revised Date | 01/19/2011 |
| B8. Flood Zone(s) | X/AE |
| B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) | 6.0 to 8.0 feet |

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9:

- [ ] FIS Profile
- [x] FIRM
- [ ] Community Determined
- [ ] Other/Source:  

B11. Indicate elevation datum used for BFE in Item B9:

- [x] NGVD 1929
- [ ] NAVD 1988
- [ ] Other/Source:  

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?

- [ ] Yes
- [x] No

Designation Date:  

- [ ] CBRS
- [ ] OPA
SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ☑ Construction Drawings* ☑ Building Under Construction* ☑ Finished Construction

*A new Elevation Certificate will be required when construction of the building is complete.

Complete Items C2.a–h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.

Benchmark Utilized: Brass Disk TUO533 Vertical Datum: Local Mean Sea Level

Indicate elevation datum used for the elevations in items a) through h) below.

☒ NGVD 1929 ☐ NAVD 1988 ☐ Other/Source:

Datum used for building elevations must be the same as that used for the BFE.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>feet</th>
<th>meters</th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>Top of bottom floor (including basement, crawlspace, or enclosure floor)</td>
<td>8.8</td>
<td>☑</td>
</tr>
<tr>
<td>b)</td>
<td>Top of the next higher floor</td>
<td>18.0</td>
<td>☑</td>
</tr>
<tr>
<td>c)</td>
<td>Bottom of the lowest horizontal structural member (V Zones only)</td>
<td>N/A</td>
<td>☑</td>
</tr>
<tr>
<td>d)</td>
<td>Attached garage (top of slab)</td>
<td>8.1</td>
<td>☑</td>
</tr>
<tr>
<td>e)</td>
<td>Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)</td>
<td>9.0</td>
<td>☑</td>
</tr>
<tr>
<td>f)</td>
<td>Lowest adjacent (finished) grade next to building (LAG)</td>
<td>7.3</td>
<td>☑</td>
</tr>
<tr>
<td>g)</td>
<td>Highest adjacent (finished) grade next to building (HAG)</td>
<td>7.6</td>
<td>☑</td>
</tr>
<tr>
<td>h)</td>
<td>Lowest adjacent grade at lowest elevation of deck or stairs, including structural support</td>
<td>7.6</td>
<td>☑</td>
</tr>
</tbody>
</table>

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information.

I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Were latitude and longitude in Section A provided by a licensed land surveyor? ☑ Yes ☐ No ☑ Check here if attachments.

Certifier’s Name: John R. K. Akina
License Number: 16252
Title: Project Surveyor
Company Name: Walter P. Thompson, Inc.
Address: P.O. Box 3351
City: Honolulu
State: Hawaii
ZIP Code: 96801
Signature: John R. K. Akina
Date: 08-06-2019
Telephone: (808) 536-2705
Ext.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments (including type of equipment and location, per C2(e), if applicable)
A8.(a) Total amount of square feet for both sides of duplex at ground floor.
A9.(a) Total amount of square feet for both garages.
C2.(e) Bottom of water heater.
For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
   a) Top of bottom floor (including basement, crawlspace, or enclosure) is ____________ feet meters above or below the HAG.
   b) Top of bottom floor (including basement, crawlspace, or enclosure) is ____________ feet meters above or below the LAG.

E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 1–2 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is ____________ feet meters above or below the HAG.

E3. Attached garage (top of slab) is ____________ feet meters above or below the HAG.

E4. Top of platform of machinery and/or equipment servicing the building is ____________ feet meters above or below the HAG.

E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance?  
   □ Yes  □ No  □ Unknown. The local official must certify this information in Section G.

SECTION F – PROPERTY OWNER (OR OWNER’S REPRESENTATIVE) CERTIFICATION

The property owner or owner’s authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner or Owner’s Authorized Representative’s Name

Address

City  State  ZIP Code

Signature

Date  Telephone

Comments

☐ Check here if attachments.
**SECTION G – COMMUNITY INFORMATION (OPTIONAL)**

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.

G1. □ The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)

G2. □ A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.

G3. □ The following information (Items G4–G10) is provided for community floodplain management purposes.

<table>
<thead>
<tr>
<th>G4. Permit Number</th>
<th>G5. Date Permit Issued</th>
<th>G6. Date Certificate of Compliance/Occupancy Issued</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>G7. This permit has been issued for:</th>
<th>□ New Construction □ Substantial Improvement</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>G8. Elevation of as-built lowest floor (including basement) of the building:</th>
<th>□ feet □ meters Datum __________</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>G9. BFE or (in Zone AO) depth of flooding at the building site:</th>
<th>□ feet □ meters Datum __________</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>G10. Community's design flood elevation:</th>
<th>□ feet □ meters Datum __________</th>
</tr>
</thead>
</table>

Local Official's Name

Community Name

Signature

Comments (including type of equipment and location, per C2(e), if applicable)

☐ Check here if attachments.
**BUILDING PHOTOGRAPHS**

See Instructions for Item A6.

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

<table>
<thead>
<tr>
<th>Photo One Caption</th>
<th>Front of house</th>
<th>08-06-2019</th>
<th>Clear Photo One</th>
</tr>
</thead>
<tbody>
<tr>
<td>Photo Two Caption</td>
<td>Left side of house</td>
<td>08-06-2019</td>
<td>Clear Photo Two</td>
</tr>
</tbody>
</table>

Policy Number: 
Company NAIC Number: 

City: HALEIWA
State: Hawaii
ZIP Code: 96712

**FOR INSURANCE COMPANY USE**

Policy Number: 
Company NAIC Number: 

---

**ELEVATION CERTIFICATE**

See Instructions for Item A6.

**OMB No. 1660-0008**
Expiration Date: November 30, 2018

**IMPORTANT:** In these spaces, copy the corresponding information from Section A.

**Building Street Address** (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
66-84 HALEIWA RD

<table>
<thead>
<tr>
<th>Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.</th>
<th>City</th>
<th>State</th>
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<td>96712</td>
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**FOR INSURANCE COMPANY USE**

Policy Number: 
Company NAIC Number: 

---

FEMA Form 086-0-33 (7/15) Replaces all previous editions.
### ELEVATION CERTIFICATE

**OMB No. 1660-0008**  
Expiration Date: November 30, 2018

**FOR INSURANCE COMPANY USE**

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<table>
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<tr>
<th>Photo Three Caption</th>
<th>Clear Photo Three</th>
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<td></td>
</tr>
</tbody>
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NATIONAL FLOOD INSURANCE PROGRAM

ELEVATION CERTIFICATE

AND

INSTRUCTIONS

2015 EDITION
Public reporting burden for this data collection is estimated to average 3.75 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting this form. You are not required to respond to this collection of information unless a valid OMB control number is displayed on this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20742, Paperwork Reduction Project (1660-0008). NOTE: Do not send your completed form to this address.

Privacy Act Statement

Authority: Title 44 CFR § 61.7 and 61.8.

Principal Purpose(s): This information is being collected for the primary purpose of estimating the risk premium rates necessary to provide flood insurance for new or substantially improved structures in designated Special Flood Hazard Areas.

Routine Use(s): The information on this form may be disclosed as generally permitted under 5 U.S.C. § 552a(b) of the Privacy Act of 1974, as amended. This includes using this information as necessary and authorized by the routine uses published in DHS/FEMA-003 – National Flood Insurance Program Files System or Records Notice 73 Fed. Reg. 77747 (December 19, 2008); DHS/FEMA/NFIP/LOMA-1 – National Flood Insurance Program (NFIP) Letter of Map Amendment (LOMA) System of Records Notice 71 Fed. Reg. 7990 (February 15, 2006); and upon written request, written consent, by agreement, or as required by law.

Disclosure: The disclosure of information on this form is voluntary; however, failure to provide the information requested may result in the inability to obtain flood insurance through the National Flood Insurance Program or the applicant may be subject to higher premium rates for flood insurance. Information will only be released as permitted by law.

Purpose of the Elevation Certificate

The Elevation Certificate is an important administrative tool of the National Flood Insurance Program (NFIP). It is to be used to provide elevation information necessary to ensure compliance with community floodplain management ordinances, to determine the proper insurance premium rate, and to support a request for a Letter of Map Amendment (LOMA) or Letter of Map Revision based on fill (LOMR-F).

The Elevation Certificate is required in order to properly rate Post-FIRM buildings, which are buildings constructed after publication of the Flood Insurance Rate Map (FIRM), located in flood insurance Zones A1–A30, AE, AH, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/NE, AR/A1–A30, AR/AH, and AR/AO. The Elevation Certificate is not required for Pre-FIRM buildings unless the building is being rated under the optional Post-FIRM flood insurance rules.

As part of the agreement for making flood insurance available in a community, the NFIP requires the community to adopt floodplain management regulations that specify minimum requirements for reducing flood losses. One such requirement is for the community to obtain the elevation of the lowest floor (including basement) of all new and substantially improved buildings, and maintain a record of such information. The Elevation Certificate provides a way for a community to document compliance with the community's floodplain management ordinance.

Use of this certificate does not provide a waiver of the flood insurance purchase requirement. Only a LOMA or LOMR-F from the Federal Emergency Management Agency (FEMA) can amend the FIRM and remove the Federal mandate for a lending institution to require the purchase of flood insurance. However, the lending institution has the option of requiring flood insurance even if a LOMA/LOMR-F has been issued by FEMA. The Elevation Certificate may be used to support a LOMA or LOMR-F request. Lowest floor and lowest adjacent grade elevations certified by a surveyor or engineer will be required if the certificate is used to support a LOMA or LOMR-F request. A LOMA or LOMR-F request must be submitted with either a completed FEMA MT-EZ or MT-1 package, whichever is appropriate.

This certificate is used only to certify building elevations. A separate certificate is required for floodproofing. Under the NFIP, non-residential buildings can be floodproofed up to or above the Base Flood Elevation (BFE). A floodproofed building is a building that has been designed and constructed to be watertight (substantially impermeable to floodwaters) below the BFE. Floodproofing of residential buildings is not permitted under the NFIP unless FEMA has granted the community an exception for residential floodproofed basements. The community must adopt standards for design and construction of floodproofed basements before FEMA will grant a basement exception. For both floodproofed non-residential buildings and residential floodproofed basements in communities that have been granted an exception by FEMA, a floodproofing certificate is required.

**SECTION A – PROPERTY INFORMATION**

**A1. Building Owner’s Name**
Moore, Dale A. TR and Moore, Patricia TR

---

**A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.**
66-84 HALEIWA RD

---

**A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)**

---

**A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.)**
Residential

---

**A5. Latitude/Longitude:**
Lat. 21.592294 Long. -158.105710

---

**A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.**

---

**A7. Building Diagram Number**
1B

---

**A8. For a building with a crawlspace or enclosure(s):**
- a) Square footage of crawlspace or enclosure(s) 389.75 sq ft
- b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade N/A
- c) Total net area of flood openings in A8.b N/A sq in
- d) Engineered flood openings? Yes No

---

**A9. For a building with an attached garage:**
- a) Square footage of attached garage N/A sq ft
- b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade N/A
- c) Total net area of flood openings in A9.b N/A sq in
- d) Engineered flood openings? Yes No

---

**SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION**

**B1. NFIP Community Name & Community Number**
HONOLULU, CITY AND COUNTY OF - 150001

---

**B2. County Name**
HONOLULU COUNTY

---

**B3. State**
Hawaii

---

**B4. Map/Panel Number**
15003C0105

---

**B5. Suffix**
H

---

**B6. FIRM Index Date**
11/05/2014

---

**B7. FIRM Panel Effective/Revised Date**
01/19/2011

---

**B8. Flood Zone(s)**
X/AE

---

**B9. Base Flood Elevation(s)**
(Zone AO, use Base Flood Depth)
6.0 to 8.0 feet

---

**B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9:**
- FIS Profile
- FIRM
- Community Determined
- Other/Source: 

---

**B11. Indicate elevation datum used for BFE in Item B9:**
- NGVD 1929
- NAVD 1988
- Other/Source: 

---

**B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?**
- Yes
- No

---

**Designation Date:** 

---

**CBRS**

---

**OPA**

---

---

FEMA Form 086-0-33 (7/15) Replaces all previous editions. Form Page 1 of 6
ELEVATION CERTIFICATE

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 66-84 HALEIWA RD

City
HALEIWA

State
Hawaii

ZIP Code
96712

FOR INSURANCE COMPANY USE

Policy Number:

SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ☐ Construction Drawings* ☐ Building Under Construction* ☑ Finished Construction

*A new Elevation Certificate will be required when construction of the building is complete.


Benchmark Utilized: Brass Disk TUO533 Vertical Datum: Local Mean Sea Level

Indicate elevation datum used for the elevations in items a) through h) below.

☑ NGVD 1929 ☐ NAVD 1988 ☐ Other/Source:

Datum used for building elevations must be the same as that used for the BFE.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>Top of bottom floor (including basement, crawlspace, or enclosure floor)</td>
<td>8.0 feet</td>
</tr>
<tr>
<td>b)</td>
<td>Top of the next higher floor</td>
<td>N/A feet</td>
</tr>
<tr>
<td>c)</td>
<td>Bottom of the lowest horizontal structural member (V Zones only)</td>
<td>N/A feet</td>
</tr>
<tr>
<td>d)</td>
<td>Attached garage (top of slab)</td>
<td>N/A feet</td>
</tr>
<tr>
<td>e)</td>
<td>Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)</td>
<td>10.6 feet</td>
</tr>
<tr>
<td>f)</td>
<td>Lowest adjacent (finished) grade next to building (LAG)</td>
<td>6.5 feet</td>
</tr>
<tr>
<td>g)</td>
<td>Highest adjacent (finished) grade next to building (HAG)</td>
<td>7.2 feet</td>
</tr>
<tr>
<td>h)</td>
<td>Lowest adjacent grade at lowest elevation of deck or stairs, including structural support</td>
<td>6.5 feet</td>
</tr>
</tbody>
</table>

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information.

I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Were latitude and longitude in Section A provided by a licensed land surveyor? ☑ Yes ☐ No ☑ Check here if attachments.

Certifier's Name
John R. K. Akina

License Number
16252

Title
Project Surveyor

Company Name
Walter P. Thompson, Inc.

Address
P.O. Box 3351

City
Honolulu

State
Hawaii

ZIP Code
96801

Signature
John R. K. Akina

Date
08-06-2019

Telephone
(808) 536-2705

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments (including type of equipment and location, per C2(e), if applicable)

C2.(e) Bottom of electrical box.
SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
   a) Top of bottom floor (including basement, crawlspace, or enclosure) is
   b) Top of bottom floor (including basement, crawlspace, or enclosure) is

E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 1–2 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is

E3. Attached garage (top of slab) is

E4. Top of platform of machinery and/or equipment servicing the building is

E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community’s floodplain management ordinance?  Yes ☐ No ☐ Unknown. The local official must certify this information in Section G.

SECTION F – PROPERTY OWNER (OR OWNER’S REPRESENTATIVE) CERTIFICATION

The property owner or owner’s authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner or Owner’s Authorized Representative’s Name

Address City State ZIP Code

Signature Date Telephone

Comments

☐ Check here if attachments.
ELEVATION CERTIFICATE

**SECTION G – COMMUNITY INFORMATION (OPTIONAL)**

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.

G1. ☐ The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)

G2. ☐ A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.

G3. ☐ The following information (Items G4–G10) is provided for community floodplain management purposes.

G4. Permit Number

G5. Date Permit Issued

G6. Date Certificate of Compliance/Occupancy Issued

G7. This permit has been issued for: ☐ New Construction ☐ Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building: ______________________ ☐ feet ☐ meters Datum __________

G9. BFE or (in Zone AO) depth of flooding at the building site: ______________________ ☐ feet ☐ meters Datum __________

G10. Community's design flood elevation: ______________________ ☐ feet ☐ meters Datum __________

Local Official's Name

Title

Community Name

Telephone

Signature

Date

Comments (including type of equipment and location, per C2(e), if applicable)

☐ Check here if attachments.

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Form Page 4 of 6
**ELEVATION CERTIFICATE**

See Instructions for Item A6.

**BUILDING PHOTOGRAPHS**

OMB No. 1660-0008
Expiration Date: November 30, 2018

**IMPORTANT: In these spaces, copy the corresponding information from Section A.**

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If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

| Photo | Caption | Date
<table>
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<tr>
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<tbody>
<tr>
<td><img src="image1.jpg" alt="Photo One" /></td>
<td>Front of house</td>
<td>08-06-2019</td>
</tr>
<tr>
<td><img src="image2.jpg" alt="Photo Two" /></td>
<td>Rear of house</td>
<td>08-06-2019</td>
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### Building Photographs Continuation Page

#### Important: In these spaces, copy the corresponding information from Section A.

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| 66-84 HALEIWA RD | |

| City | State | ZIP Code | Company NAIC Number |
| HALEIWA | Hawaii | 96712 | |

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**Photo Three**

**Photo Three Caption**

**Photo Four**

**Photo Four Caption**

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Form Page 6 of 6