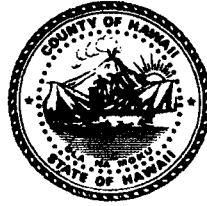


Harry Kim
Mayor



Michael Yee
Director

Daryn Arai
Deputy Director

West Hawai'i Office
74-5044 Ane Keohokalole Hwy
Kailua-Kona, Hawai'i 96740
Phone (808) 323-4770
Fax (808) 327-3563

County of Hawai'i
PLANNING DEPARTMENT

East Hawai'i Office
101 Pauahi Street, Suite 3
Hilo, Hawai'i 96720
Phone (808) 961-8288
Fax (808) 961-8742

December 11, 2018

Mr. & Mrs. Kyle Furutani
250 Nohea Street
Hilo, Hawai'i 96720

Dear Mr. and Mrs. Furutani:

SUBJECT: Application: Ohana Dwelling Unit Permit (OHD-18-000191)
Applicant: KYLE FURUTANI AND MICHELLE FURUTANI
Land Owner: KYLE FURUTANI AND MICHELLE FURUTANI
Proposal: Construct a Detached Ohana Dwelling Unit
Tax Map Key: (3) 2-4-010:067 (Lot 26)

Upon review of your application and as applicable, comments from the public and government agencies for a detached Ohana Dwelling Unit Permit (OHD), you are hereby **granted** approval to construct a detached OHD subject to conditions set forth below in this letter.

REQUEST

The applicant is requesting an OHD Permit to allow for an additional dwelling unit on the subject property.

PROPERTY DESCRIPTION

The subject TMK parcel, comprises of 19,694 square feet, Lot 26, and is situated within the Waiākea, Homesteads, Waiākea, South Hilo, Hawai'i. The property is zoned Single-Family Residential – 15,000 square feet (RS-15) by the County and is situated within the State Land Use Urban district. Subject parcel was created by Subdivision-294 on June 13, 1950. **See Exhibit A – Site Plan)**

AGENCY COMMENTS

The subject Application for an OHD Permit was reviewed by the required agencies and their respective comments are as follows:

1. Department of Environmental Management-Solid Waste Division (DEM-Solid Waste): See attached memorandum dated November 19, 2018 (**Exhibit B**);
2. The Department of Environmental Management -Wastewater Division (DEM-Wastewater): See attached memorandum dated November 19, 2018 (**Exhibit C**);
3. The State of Hawai'i Department of Health (DOH): See attached memorandum dated November 19, 2018 (**Exhibit D**);
4. The Hawai'i County Fire Department (HFD): See attached memorandum dated November 7, 2018 (**Exhibit E**);
5. The Department of Public Works (DPW): See attached memorandum dated November 23, 2018 (**Exhibit F**);
6. The Department of Water Supply (DWS): See attached memorandum dated Sept. 10, 2018 (**Exhibit G**);

COMMUNITY COMMENTS

There were no comments from the surrounding property owners or the public.

ADDITIONAL FINDINGS

We note the following documents that accompanied your application:

The original and notarized affidavit of **Kyle Yukio Furutani and Michelle Sachiko Furutani** dated October 23, 2018, included with the OHD application states:

"This affidavit is being submitted, as per the requirement of the County of Hawaii, as part of an application for an "Ohana Dwelling" permit.

This parcel number is TMK (3)2-4-010:067. There are no provisions of any restrictions, covenant or other land use restriction applicable to the lot by way of deed restriction or lease or other provision do not prohibit the construction or placement of an ohana dwelling unit or a second dwelling unit."

ANALYSIS

The building site for the subject OHD application is a legal lot of record of at least 10,000 square feet located within the RS district and is designated Urban by the State Land Use Commission. Additional dwellings are not normally permitted on this lot, and a guest house is not located on the property. There are no pending subdivision actions affecting the subject

TMK property, nor has any variance, Planned Unit Development, Cluster Plan Development, or other preemption from requirements of the Hawai'i County Code been granted. There has not been a previously approved variance from the Subdivision Code (Chapter 23) and the Zoning Code (Chapter 25) on the property, nor are there any conditions within a change of zone ordinance that would prohibit an OHD. The applicant has not submitted any OHD applications in the previous two years. Therefore, the application meets the requirements for an OHD Permit.

The DWS has indicated that water can be made available from the Department's existing 8-inch waterline within Nohea Street fronting the subject parcel.

DECISION AND CONDITIONS

In view of the above, by this letter, you are hereby **granted** permission to construct a detached single-family OHD subject to the following conditions:

1. The proposed OHD shall comply with Ordinance No. 96-47 and Rule 12, the County of Hawai'i Planning Department's Rules of Practice and Procedure relating to OHD's.
2. **Non-transferability:** The permit for the OHD shall be personal to the applicant until construction of the OHD has been completed. The permit shall not be transferable or assignable to any other person prior to completion of its construction to the satisfaction of the Chief Engineer, DPW.
3. **Prohibition of Advertising, Sales, Transfers:** No person shall advertise or represent to the public that a permit to construct an OHD is transferable with the sale of the property on which the permit has been granted.
4. **Building Permit:** Hawai'i County Real Property Tax Office records indicate that Building Permit 11642 was issued on December 3, 1951, to the subject property for a single-family dwelling consisting of 4 bedrooms, 1-1/2 baths, living room, kitchen and dining area.
5. **Requirements for Height, Site Area (Lot Size), Yard (Setback) and Off-Street Parking (Parking Spaces):**
 - a. Height limit: The height limit for the proposed attached OHD shall be **twenty-five (25'-0")** feet.
 - b. Zoning and Minimum Building Site Area (Lot Size): The subject TMK parcel, containing 19,694 sq. ft., is zoned Single-Family Residential (RS-15) by the County and is situated within the State Land Use Urban district.

- c. Minimum Yards (Setbacks) and Open Space: The proposed dwelling unit is required to comply with the yards and open space requirements of the Hawai'i County Zoning Code, Section 25-6-35 and 25-4-7.

The respective minimum open space, front, rear, side yard and dwelling unit requirements for the proposed attached OHD to be located on the subject TMK property shall be the minimum yard requirements as follows:

- Front yard - minimum **twenty-five** (25) feet required;
 - Rear yard – minimum **twenty-five** (25) feet required;
 - Side yards – minimum 15 feet required and
 - Between dwelling units – minimum **fifteen** (15) feet required.
- d. Off-Street Parking: The OHD shall be provided with a minimum of two (2) off-street parking spaces that comply with the requirements of Section 25-4-53 of the Zoning Code. All existing and additional parking spaces shall be arranged so as to be individually accessible.
6. A guest house shall not be permitted or constructed where an Ohana dwelling has been permitted or constructed.
7. This OHD permit is subject to all other applicable rules, regulations and requirements of the Planning Department, DPW, HFD, DOH and DWS and other reviewing agencies/divisions listed on the Building Permit Application.
8. OHD's are prohibited on a building site that is the subject of an approved variance from the Subdivision Code (Chapter 23), the Zoning Code (Chapter 25), and property where a second dwelling unit is specifically prohibited by a change of zone ordinance.
- a. No variance from the requirements of Hawai'i County Code Chapter 23 and Chapter 25, as amended, shall be granted to permit the construction or placement of an OHD.
 - b. An OHD shall not be permitted on a lot which has been the subject of a previously granted variance from any provision of Hawai'i County Code, Chapter 23 and Chapter 25, as amended.
9. The applicant shall comply with the following State of Hawaii – Department of Health condition: The wastewater system is inadequate for the proposed project. Have your engineer submit to DOH the plans to upgrade current cesspool to septic system.
10. The applicant shall comply and accept the following Department of Water Supply conditions:

Kyle and Michelle Furutani
Page 5 of 5
December 11, 2018

- a. Installation of a 1-inch service lateral to service 5/8-inch meter, which shall be restricted to a maximum daily flow of 400 gallons.
- b. Submit construction plans, prepared by a professional engineer licensed in the State of Hawai'i for review and approval.
- c. Remittance of the following charge, which are subject to change, to our Customer Service Section:

FACILITIES CHARGE (FC):

2nd service to the parcel \$5,500.00

SERVICE LATERAL INSTALLATION CHARGE:

Install one (1) meter on Nohea Street, a County road \$4,000.00

Total (Subject to Change) \$9,500.00

11. The applicant shall comply to the following Department of Public Works condition: The proposed interior gravel driveway shall conform to Chapter 10 of the Hawaii County Code. With respect to the provided plot plan, no cutting or filling within 2 feet of the shared property line unless approval by the adjacent neighbor.

Should you have any questions regarding the above, please contact Larry H. Nakayama of this office.

Sincerely,



MICHAEL YEE
Planning Director

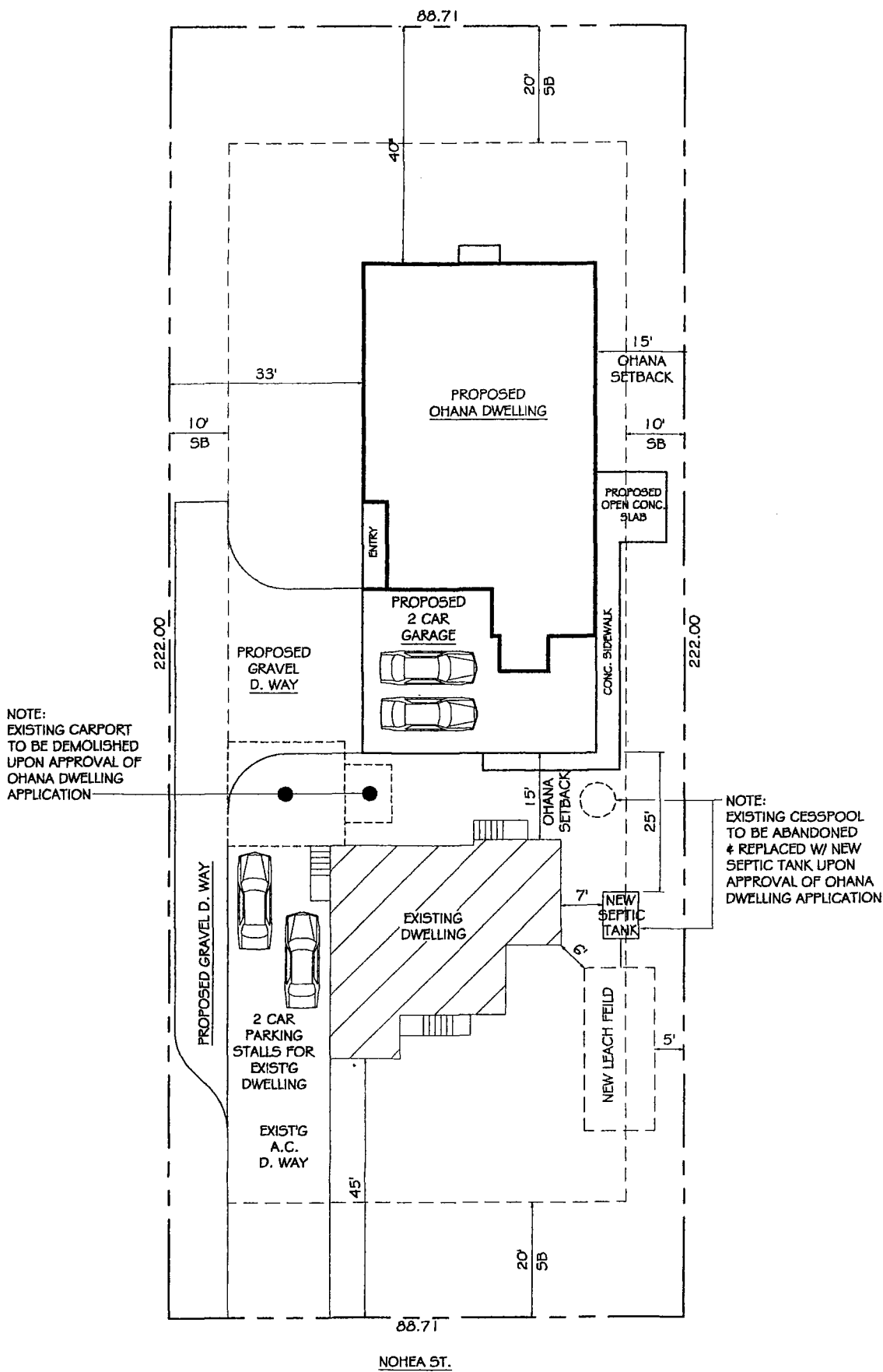
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\\COH33\planning\public\Admin Permits Division\Ohana\2018\OHD-18-000191 Furutank\APVL.docx

Encls: Agency comments – Exhibits A-G

cc: Dept. of Health, Chief Sanitarian
Dept. of Water Supply
Hawai'i Fire Dept.
Dept. of Public Works

cc w/encls: GIS Section (via email)



NOTE:
EXISTING CARPORT
TO BE DEMOLISHED
UPON APPROVAL OF
OHANA DWELLING
APPLICATION

NOTE:
EXISTING CESSPOOL
TO BE ABANDONED
& REPLACED W/ NEW
SEPTIC TANK UPON
APPROVAL OF OHANA
DWELLING APPLICATION

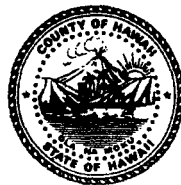
EXHIBIT
A

PLOT PLAN

SCALE : 1" = 20'

Harry Kim
Mayor

Wilfred M. Okabe
Managing Director



2018 NOV 21 PM 2 04

William A. Kucharski
Director

PLANNING DEPARTMENT
COUNTY OF HAWAII
Diane A. Noda
Deputy Director

County of Hawai'i

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

345 Kekūānāo'a Street, Suite 41 · Hilo, Hawai'i 96720
Ph: (808) 961-8083 • Fax: (808) 961-8086
cohdem@co.hawaii.hi.us

<http://www.hawaiicounty.gov/environmental-management/>

MEMORANDUM

TO: Michael Yee, Director
Planning Department

FROM: William A. Kucharski, Director
Environmental Management Department

EXHIBIT

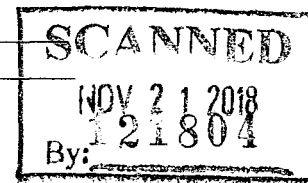
B

DATE: November 19, 2018

SUBJECT: Ohana Dwelling Unit Permit (OHD-18-000191)
Applicant: Kyle Furutani and Michele Furutani
Land Owner: Kyle Furutani and Michele Furutani
Proposal: Construct a Detached Ohana Dwelling Unit
Tax Map Key: (3) 2-4-010:067 (Lot 26)

The Solid Waste Division has reviewed the subject application and offers the following comments and/or recommendations (contact the Solid Waste Division for details):

- (X) No comments.
- () Commercial operations, State and Federal agencies, religious entities and non-profit organization may not use transfer stations for disposal.
- () Aggregates and any other construction/demolition waste should be responsibly reused to its fullest extent.
- () Ample and equal room should be provided for rubbish and recycling.
- () Green waste may be transported to the green waste sites located at the West Hawai'i Organics Facility and East Hawai'i Organics Facility, or other suitable diversion programs.
- () Construction and demolition waste is prohibited at all County Transfer Stations.
- () Submit Solid Waste Management Plan in accordance with attached guidelines.
- () Existing Solid Waste Management Plan is to be followed. Provide update to the department on current status.
- () Other: _____



Mr. Michael Yee, Director

November 19, 2018

Page 2

The Wastewater Division has reviewed the subject application and offers the following comments and/or recommendations (contact the Wastewater Division for details):

- (X) No comments.
- () Require connection of existing and/or proposed structures to the public sewer in accordance with Section 21-5 of the Hawai'i County Code.
- () Require Council Resolution to approve sewer extension in accordance with Section 21-26.1 of the Hawai'i County Code. Complete Sewer Extension Application.
- () Require extension of the sewer system to service the proposed subdivision in accordance with Section 23-85 of the Hawai'i County Code.
- () *Check or line out as applicable:* [] If required by the Director of the Department of Environmental Management ("Director of DEM"), [] applicant shall conduct a sewer study in accordance with the then applicable wastewater system design standards prior to approval to connect to the County sewer system. Applicant shall provide such sewer line or other facility improvements as the Director of DEM may reasonably require, which the sewer study may indicate are advisable for mitigation of impacts of the proposed project. Contact Wastewater Division Chief for details.
- () Other: _____

WK:mef

EXHIBIT

 C



2018 NOV 20 PM 12 24

PLANNING DEPARTMENT
COUNTY OF HAWAII

STATE OF HAWAII
DEPARTMENT OF HEALTH
P.O. BOX 916
HILO, HAWAII 96721-0916

MEMORANDUM

EXHIBIT

DATE: November 19, 2018

TO: Mr. Michael Yee
Planning Director, County of Hawaii

FROM: Eric Honda *EH*
District Environmental Health Program Chief

SUBJECT: Application: Ohana Dwelling Unit Permit OHD-18-000191
Applicant: KYLE FURUTANI AND MICHELE FURUTANI
LandOwner: KYLE FURUTANI AND MICHELE FURUTANI
Proposal: Construct a Detached Ohana Dwelling Unit
TMK: 2-4-010:067 Lot26

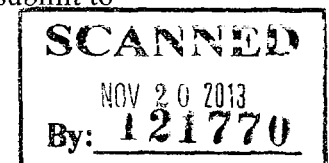
The applicant would need to meet the requirements of our Department of Health Air Pollution Rules, Chapter 60.1, Title 11, State of Hawaii for fugitive dust control. If there is need to discuss these requirements, please contact our Clean Air Branch staff at Ph. 933-0401.

Construction activities must comply with the provisions of Hawaii Administrative Rules, Chapter 11-46, "Community Noise Control."

1. The contractor must obtain a noise permit if the noise levels from the construction activities are expected to exceed the allowable levels of the rules.
2. Construction equipment and on-site vehicles requiring an exhaust of gas or air must be equipped with mufflers.
3. The contractor must comply with the requirements pertaining to construction activities as specified in the rules and the conditions issued with the permit.

Should there be any questions on this matter, please contact the Department of Health at 933-0917.

The wastewater system is inadequate for the proposed project. Have your engineer submit to DOH: Plans to upgrade current cesspool to a septic system.



Harry Kim
Mayor



2018 NOV 13 PM 2 17

Darren J. Rosario
Fire Chief

PLANNING DEPARTMENT
COUNTY OF HAWAII

Lance S. Uchida
Deputy Fire Chief

County of Hawai'i
HAWAII FIRE DEPARTMENT
25 Aupuni Street • Suite 2501 • Hilo, Hawai'i 96720
(808) 932-2900 • Fax (808) 932-2928

November 7, 2018

TO: MICHAEL YEE, PLANNING DIRECTOR

EXHIBIT

FROM: DARREN J. ROSARIO, FIRE CHIEF

E

SUBJECT: Ohana Dwelling Unit Permit (OHD 18-000191)
Applicant: Kyle Furutani and Michele Furutani
Land Owner: Kyle Furutani and Michele Furutani
Proposal: Construct a Detached Ohana Dwelling Unit
Tax Map Key: (3) 2-4-010:067 (Lot 26)

In regards to the above-mentioned Ohana Dwelling Unit Permit application, the following shall be in accordance:

NFPA 1, UNIFORM FIRE CODE, 2006 EDITION

Note: Hawai'i State Fire Code, National Fire Protection Association 2006 version, with County of Hawai'i amendments. County amendments are identified with a preceding "C-" of the reference code.

Chapter 18 Fire Department Access and Water Supply

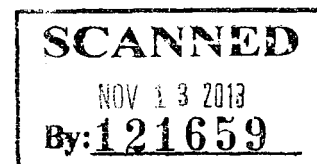
18.1 General. Fire department access and water supplies shall comply with this chapter.

For occupancies of an especially hazardous nature, or where special hazards exist in addition to the normal hazard of the occupancy, or where access for fire apparatus is unduly difficult, or areas where there is an inadequate fire flow, or inadequate fire hydrant spacing, and the AHJ may require additional safeguards including, but not limited to, additional fire appliance units, more than one type of appliance, or special systems suitable for the protection of the hazard involved.

18.1.1 Plans.

18.1.1.1 Fire Apparatus Access. Plans for fire apparatus access roads shall be submitted to the fire department for review and approval prior to construction.

18.1.1.2 Fire Hydrant Systems. Plans and specifications for fire hydrant systems shall be submitted to the fire department for review and approval prior to construction.



C~ 18.1.1.2.1 Fire Hydrant use and Restrictions. No unauthorized person shall use or operate any Fire hydrant unless such person first secures permission or a permit from the owner or representative of the department, or company that owns or governs that water supply or system. Exception: Fire Department personnel conducting firefighting operations, hydrant testing, and/or maintenance, and the flushing and acceptance of hydrants witnessed by Fire Prevention Bureau personnel.

18.2 Fire Department Access.

18.2.1 Fire department access and fire department access roads shall be provided and maintained in accordance with Section 18.2.

18.2.2* Access to Structures or Areas.

18.2.2.1 Access Box(es). The AHJ shall have the authority to require an access box(es) to be installed in an accessible location where access to or within a structure or area is difficult because of security.

18.2.2.2 Access to Gated Subdivisions or Developments. The AHJ shall have the authority to require fire department access be provided to gated subdivisions or developments through the use of an approved device or system.

18.2.2.3 Access Maintenance. The owner or occupant of a structure or area, with required fire department access as specified in 18.2.2.1 or 18.2.2.2, shall notify the AHJ when the access is modified in a manner that could prevent fire department access.

18.2.3 Fire Department Access Roads. (*may be referred as FDAR)

18.2.3.1 Required Access.

18.2.3.1.1 Approved fire department access roads shall be provided for every facility, building, or portion of a building hereafter constructed or relocated.

18.2.3.1.2 Fire Department access roads shall consist of roadways, fire lanes, parking lots lanes, or a combination thereof.

18.2.3.1.3* When not more than two one- and two-family dwellings or private garages, carports, sheds, agricultural buildings, and detached buildings or structures 400ft² (37 m²) or less are present, the requirements of 18.2.3.1 through 18.2.3.2.1 shall be permitted to be modified by the AHJ.

18.2.3.1.4 When fire department access roads cannot be installed due to location on property, topography, waterways, nonnegotiable grades, or other similar conditions, the AHJ shall be authorized to require additional fire protection features.

18.2.3.2 Access to Building.

18.2.3.2.1 A fire department access road shall extend to within in 50 ft (15 m) of at least one exterior door that can be opened from the outside that provides access to the interior of the building. Exception: 1 and 2 single-family dwellings.

18.2.3.2.1.1 When buildings are protected throughout with an approved automatic sprinkler system that is installed in accordance with NFPA 13, NFPA 13D, or NFPA 13R, the distance in 18.2.3.2.1 shall be permitted to be increased to 300 feet.

18.2.3.2.2 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 ft (46 m) from fire department access roads as measured by an approved route around the exterior of the building or facility.

18.2.3.2.2.1 When buildings are protected throughout with an approved automatic sprinkler system that is installed in accordance with NFPA 13, NFPA 13D, or NFPA 13R, the distance in 18.2.3.2.2 shall be permitted to be increased to 450 ft (137 m).

18.2.3.3 Multiple Access Roads. More than one fire department access road shall be provided when it is determined by the AHJ that access by a single road could be impaired by vehicle congestion, condition of terrain, climatic conditions, or other factors that could limit access.

18.2.3.4 Specifications.

18.2.3.4.1 Dimensions.

C~ 18.2.3.4.1.1 FDAR shall have an unobstructed width of not less than 20ft with an approved turn around area if the FDAR exceeds 150 feet. **Exception:** FDAR for one and two family dwellings shall have an unobstructed width of not less than 15 feet, with an area of not less than 20 feet wide within 150 feet of the structure being protected. An approved turn around area shall be provided if the FDAR exceeds 250 feet.

C~ 18.2.3.4.1.2 FDAR shall have an unobstructed vertical clearance of not less then 13ft 6 in.

C~ 18.2.3.4.1.2.1 Vertical clearances may be increased or reduced by the AHJ, provided such increase or reduction does not impair access by the fire apparatus, and approved signs are installed and maintained indicating such approved changes.

18.2.3.4.1.2.2 Vertical clearances shall be increased when vertical clearances or widths are not adequate to accommodate fire apparatus.

C~ 18.2.3.4.2 Surface. Fire department access roads and bridges shall be designed and maintained to support the imposed loads (25 Tons) of the fire apparatus. Such FDAR shall be comprised of an all-weather driving surface.

18.2.3.4.3 Turning Radius.

C~ 18.2.3.4.3.1 Fire department access roads shall have a minimum inside turning radius of 30 feet, and a minimum outside turning radius of 60 feet.

18.2.3.4.3.2 Turns in fire department access road shall maintain the minimum road width.

18.2.3.4.4 Dead Ends. Dead-end fire department access roads in excess of 150 ft (46 m) in length shall be provided with approved provisions for the fire apparatus to turn around.

18.2.3.4.5 Bridges.

18.2.3.4.5.1 When a bridge is required to be used as part of a fire department access road, it shall be constructed and maintained in accordance with county requirements.

18.2.3.4.5.2 The bridge shall be designed for a live load sufficient to carry the imposed loads of fire apparatus.

18.2.3.4.5.3 Vehicle load limits shall be posted at both entrances to bridges where required by the AHJ.

18.2.3.4.6 Grade.

C~ 18.2.3.4.6.1 The maximum gradient of a Fire department access road shall not exceed 12 percent for unpaved surfaces and 15 percent for paved surfaces. In areas of the FDAR where a Fire apparatus would connect to a Fire hydrant or Fire Department Connection, the maximum gradient of such area(s) shall not exceed 10 percent.

18.2.3.4.6.2* The angle of approach and departure for any means of fire department access road shall not exceed 1 ft drop in 20 ft (0.3 m drop in 6 m) or the design limitations of the fire apparatus of the fire department, and shall be subject to approval by the AHJ.

18.2.3.4.6.3 Fire department access roads connecting to roadways shall be provided with curb cuts extending at least 2 ft (0.61 m) beyond each edge of the fire lane.

18.2.3.4.7 Traffic Calming Devices. The design and use of traffic calming devices shall be approved the AHJ.

18.2.3.5 Marking of Fire Apparatus Access Road.

18.2.3.5.1 Where required by the AHJ, approved signs or other approved notices shall be provided and maintained to identify fire department access roads or to prohibit the obstruction thereof of both.

18.2.3.5.2 A marked fire apparatus access road shall also be known as a fire lane.

18.2.4* Obstruction and Control of Fire Department Access Road.

18.2.4.1 General.

18.2.4.1.1 The required width of a fire department access road shall not be obstructed in any manner, including by the parking of vehicles.

18.2.4.1.2 Minimum required widths and clearances established under 18.2.3.4 shall be maintained at all times.

18.2.4.1.3* Facilities and structures shall be maintained in a manner that does not impair or impede accessibility for fire department operations.

18.2.4.1.4 Entrances to fire departments access roads that have been closed with gates and barriers in accordance with 18.2.4.2.1 shall not be obstructed by parked vehicles.

18.2.4.2 Closure of Accessways.

18.2.4.2.1 The AHJ shall be authorized to require the installation and maintenance of gates or other approved barricades across roads, trails, or other accessways not including public streets, alleys, or highways.

18.2.4.2.2 Where required, gates and barricades shall be secured in an approved manner.

18.2.4.2.3 Roads, trails, and other access ways that have been closed and obstructed in the manner prescribed by 18.2.4.2.1 shall not be trespassed upon or used unless authorized by the owner and the AHJ.

18.2.4.2.4 Public officers acting within their scope of duty shall be permitted to access restricted property identified in 18.2.4.2.1.

18.2.4.2.5 Locks, gates, doors, barricades, chains, enclosures, signs, tags, or seals that have been installed by the fire department or by its order or under its control shall not be removed, unlocked, destroyed, tampered with, or otherwise vandalized in any manner.

18.3 Water Supplies and Fire Hydrants

18.3.1* 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 mm) 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. For on-site fire hydrant requirements see section 18.3.3.

EXCEPTIONS:

1. When facilities or buildings, or portions thereof, are completely protected with an approved automatic fire sprinkler system the provisions of section 18.3.1 may be modified by the AHJ.
2. When water supply requirements cannot be installed due to topography or other conditions, the AHJ may require additional fire protection as specified in section 18.3.2 as amended in the code.
3. When there are not more than two dwellings, or two private garage, carports, sheds and agricultural. Occupancies, the requirements of section 18.3.1 may be modified by AHJ.

18.3.2* Where no adequate or reliable water distribution system exists, approved reservoirs, pressure tanks, elevated tanks, fire department tanker shuttles, or other approved systems capable of providing the required fire flow shall be permitted.

18.3.3* The location, number and type of fire hydrants connected to a water supply capable of delivering the required fire flow shall be provided on a fire apparatus access road on the site of the premises or both, in accordance with the appropriate county water requirements.

18.3.4 Fire Hydrants and connections to other approved water supplies shall be accessible to the fire department.

18.3.5 Private water supply systems shall be tested and maintained in accordance with NFPA 25 or county requirements as determined by the AHJ.

18.3.6 Where required by the AHJ, fire hydrants subject to vehicular damage shall be protected unless located within a public right of way.

18.3.7 The AHJ shall be notified whenever any fire hydrant is placed out of service or returned to service. Owners of private property required to have hydrants shall maintain hydrant records of approval, testing, and maintenance, in accordance with the respective county water requirements. Records shall be made available for review by the AHJ upon request.

C~ 18.3.8 Minimum water supply for buildings that do not meet the minimum County water standards:

Buildings up to 2000 square feet, shall have a minimum of 3,000 gallons of water available for Firefighting.

Buildings 2001- 3000 square feet, shall have a minimum of 6,000 gallons of water available for Firefighting.

Buildings, 3001- 6000 square feet, shall have a minimum of 12,000 gallons of water available for Firefighting.

Buildings, greater than 6000 square feet, shall meet the minimum County water and fire flow requirements.

Multiple story buildings shall multiply the square feet by the amount of stories when determining the minimum water supply.

Commercial buildings requiring a minimum fire flow of 2000gpm per the Department of Water standards shall double the minimum water supply reserved for firefighting.

Fire Department Connections (FDC) to alternative water supplies shall comply with 18.3.8 (1)-(6) of *this code*.

NOTE: In that water catchment systems are being used as a means of water supply for firefighting, such systems shall meet the following requirements:

- 1) In that a single water tank is used for both domestic and firefighting water, the water for domestic use shall not be capable of being drawn from the water reserved for firefighting;
- 2) Minimum pipe diameter sizes from the water supply to the Fire Department Connection (FDC) shall be as follows:
 - a) 4" for C900 PVC pipe;
 - b) 4" for C906 PE pipe;
 - c) 3" for ductile Iron;
 - d) 3' for galvanized steel.

- 3) The Fire Department Connection (FDC) shall:
 - a) be made of galvanized steel;
 - b) have a gated valve with 2-1/2 inch, National Standard Thread male fitting and cap;
 - c) be located between 8 ft and 16 ft from the Fire department access. The location shall be approved by the AHJ;
 - d) not be located less than 24 inches, and no higher than 36 inches from finish grade, as measured from the center of the FDC orifice;
 - e) be secure and capable of withstanding drafting operations. Engineered stamped plans may be required;
 - f) not be located more than 150 feet of the most remote part, but not less than 20 feet, of the structure being protected;
 - g) also comply with section 13.1.3 and 18.2.3.4.6.1 of *this code*.
- 4) Commercial buildings requiring a fire flow of 2000gpm shall be provided with a second FDC. Each FDC shall be independent of each other, with each FDC being capable of flowing 500gpm by engineered design standards. The second FDC shall be located in an area approved by the AHJ with the idea of multiple Fire apparatus' conducting drafting operations at once, in mind.
- 5) Inspection and maintenance shall be in accordance to NFPA 25.
- 6) The owner or lessee of the property shall be responsible for maintaining the water level, quality, and appurtenances of the system.

EXCEPTIONS TO SECTION 18.3.8:

- 1) Agricultural buildings, storage sheds, and shade houses with no combustible or equipment storage.
- 2) Buildings less than 800 square feet in size that meets the minimum Fire Department Access Road requirements.
- 3) For one and two family dwellings, agricultural buildings, storage sheds, and detached garages 800 to 2000 square feet in size, and meets the minimum Fire Department Access Road requirements, the distance to the Fire Department Connection may be increased to 1000 feet.
- 4) For one and two family dwellings, agricultural buildings, and storage sheds greater than 2000square feet, but less than 3000 square feet and meets the minimum Fire Department Access Road requirements, the distance to the Fire Department Connection may be increased to 500 feet.

Michael Yee
November 7, 2018
Page 9

- 5) For buildings with an approved automatic sprinkler system, the minimum water supply required may be modified.

If there are any questions regarding these requirements, please contact the Fire Prevention Bureau at (808) 932-2911.



DARREN J. ROSARIO
Fire Chief

CB:ds

DEPARTMENT OF PUBLIC WORKS
COUNTY OF HAWAII
HILO, HAWAII

DATE: November 23, 2018

Memorandum

TO: Planning Department

FROM:  Department of Public Works

SUBJECT: OHANA DWELLING UNIT PERMIT APPLICATION (OHD-18-000191)

Applicants: Kyle Furutani and Michele Furutani

Land Owners: Kyle Furutani and Michele Furutani

Proposal: Construct a Attached Detached Ohana Dwelling Unit

Tax Map Key: 2-4-010:067 (Lot 26)

We have reviewed the subject application forwarded by your letter dated November 1, 2018 and have the following comment for your consideration.

The proposed interior gravel driveway shall conform to Chapter 10 of the Hawaii County Code. With respect to the provided plot plan, no cutting or filling within 2 feet of the shared property line unless approved by the adjacent neighbor.

Should you have any questions, please contact Ms. Robyn Matsumoto at 961-8327.

RM

EXHIBIT

7



DEPARTMENT OF WATER SUPPLY • COUNTY OF HAWAII

345 KEKŪANAŌ'A STREET, SUITE 20 • HILO, HAWAII 96720
TELEPHONE (808) 961-8050 • FAX (808) 961-8657

November 23, 2018

EXHIBIT

6

2018 NOV 29 PM 2 22

TO: Mr. Michael Yee, Director
Planning Department

FROM: Keith K. Okamoto, Manager-Chief Engineer

SUBJECT: Ohana Dwelling Unit Permit
(OHD 18-000191)
Applicant – Kyle Furutani and Michele Furutani
Tax Map Key 2-4-010:067

We have reviewed the subject application and have the following comments and conditions.

Please be informed that the subject parcel is currently served by a 5/8-inch meter (Account No. 160-12100), which is adequate for only one (1) dwelling at an average daily usage of 400 gallons. Inasmuch as this application is proposing an additional dwelling, the installation of a separate 5/8-inch meter will be required. Water can be made available from the Department's existing 8-inch waterline within Nohea Street, fronting the subject parcel.

Therefore, the Department has no objections to the proposed application, subject to the applicant understanding and accepting the following conditions:

1. Installation by the Department of Water Supply, of a 1-inch service lateral to service a 5/8-inch meter, which shall be restricted to a maximum daily flow of 400 gallons.
2. Remittance of the following charges, which are subject to change, to our Customer Service Section:

FACILITIES CHARGE (FC):

2nd service to the parcel \$5,500.00

SERVICE LATERAL INSTALLATION CHARGE:

Install one (1) meter on Nohea Street, a County road \$4,000.00
Total (subject to change) \$9,500.00

... Water, Our Most Precious Resource ... Ka Wai A Kāne ...

The Department of Water Supply is an Equal Opportunity provider and employer.

121871

Mr. Michael Yee, Director
Page 2
November 23, 2018

Should there be any questions, please contact Mr. Troy Samura of our Water Resources and Planning Branch at 961-8070, extension 255.

Sincerely yours,



^{for} Keith K. Okamoto, P.E.
Manager-Chief Engineer

TS:dfg

copy – Mr. Kyle and Ms. Michele Furutani