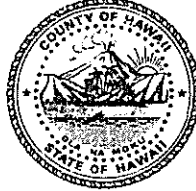


Stephen K. Yamashiro  
Mayor



Virginia Goldstein  
Director

Russell Kokubun  
Deputy Director

## County of Hawaii

### PLANNING DEPARTMENT

25 Aupuni Street, Room 109 • Hilo, Hawaii 96720-4252  
(808) 961-8288 • Fax (808) 961-8742

#### **CERTIFIED MAIL**

**Z 095 324 292**

March 10, 1999

Mr. Niels Christensen, LPLS  
THE INDEPENDENT HAWAII SURVEYORS  
1927A Kilauea Avenue  
Hilo, Hawaii 96720

Dear Mr. Christensen:

Variance Permit No. 993 (VAR 99-002)  
Applicant: NIELS CHRISTENSEN, LPLS  
Owner: KURTIS J. KIHLMAN  
Request: Variance From Chapter 23, Subdivisions, Article 6,  
Division 2, Improvements Required, Section 23-84, Water Supply, (1)  
Tax Map Key: 1-2-007:017

After reviewing your variance application and the information submitted, the Planning Director certifies the approval of your variance from Chapter 23, Subdivisions, Article 6, Division 2, Improvements Required, Section 23-84, Water Supply, (1), to allow the creation of a four (4) lot subdivision without a water system meeting the minimum requirements of the Department of Water Supply (DWS).

The Planning Director has concluded that the variance from the minimum subdivision water system requirements be approved based on the following findings.

#### **Special and Unusual Circumstances**

There are special and unusual circumstances that exist which would warrant consideration of and necessitate a variance from the minimum water requirements for the proposed four (4) lot subdivision:

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1. The subject property containing 39.501 acres is Lot 25, Grant 7039 to Kahookaulana, Kikala-Keokea Homesteads, Puna, Hawaii.
2. The subject property is zoned Agricultural (A-3a) by the County and is designated Agriculture "A" by the State Land Use Commission (LUC).
3. The owners have submitted a subdivision application (SUB 98-034) which includes a preliminary plat map dated January 10, 1998, to subdivide Lot 25 into four (4) lots. Further action on the proposed 4-lot subdivision application has been deferred pending consideration of the subject variance application.
4. The Department of Finance-Real Property Tax memorandum dated February 5, 1999 states in part:

"There are no comments at this time"

"Real Property taxes are paid through December 31, 1998."

5. The State Department of Health (DOH) memorandum dated February 5, 1999 states:

"The Department of Health's authority on drinking water quality is based on the definition of a "public water system." A "public water system" means a system for the provision to the public of piped water for human consumption, if such system has at least fifteen (15) service connection or regularly serves an average of at least twenty-five (25) individuals daily at least sixty (60) days out of the year.

Past episodes of water quality concerns for lead, copper, algae and microbial contaminations in private rain catchment systems have identified the need for design standards. Without these control standards the Department of Health would not be able to support the use of these private rain catchments systems for drinking purposes."

6. The Department of Water Supply (DWS) memorandum dated March 1, 1999 states in part:

"We have reviewed the subject application and the comments in our

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memorandum of April 7, 1998 still stand. (A copy is attached.)"

The attached copy of DWS memorandum dated April 7, 1998 states in part:

"We have reviewed the subject application for the proposed subdivision and have the following comments:

Water can be made available from an existing 8-inch waterline on the Pahoa side of the existing .50-million gallon concrete reservoir, approximately 2,500 feet from the property.

Pursuant to the Department's "Water Commitment Guidelines Policy," a copy of which is being forwarded to the applicant, a water commitment may be issued. Based on the three (3) additional lots requested in the proposed 4-lot subdivision development, the required water commitment deposit is \$450.00.

Remittance by the applicant of the \$450.00 is requested as soon as possible so that a water commitment may be formally issued. The commitment will be in writing with specific conditions and effective dates stated. Please keep in mind that this letter shall not be construed as a water commitment. In other words, unless a water commitment is officially effected, water availability is subject to change depending on the water situation.

For the applicant's information, final subdivision approval will be subject to the following requirements:

1. Extension of approximately 2,500 feet of 4-inch waterline from an existing 8-inch waterline on the Pahoa side of the .50-million gallon concrete reservoir to the property to provide water at adequate pressure and volume under peak-flow conditions.
2. Install service laterals that will accommodate a 5/8-inch meter to each lot. Submit construction plans and design calculations prepared by a professional engineer, registered in the State of Hawaii, for review and approval.
3. Remit the prevailing facilities charge, which is subject to change, of \$10,688.00. This is due and payable upon completion of the

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construction of the water system improvements and prior to final subdivision approval being granted.

4. Convey the water system improvements along with the necessary easements to the Water Commission, County of Hawaii.

Should there be any question, please call our Water Resources and Planning Branch at 961-8660."

7. The proof of mailing of notices to the surrounding property owners was received on February 10, 1999. No oral or written objections to the variance application were received.

Therefore, considering the above facts, information submitted by the applicants, and agency comments, the Planning Director has determined that there are special or unusual circumstances applying to the subject property which exist either to a degree which deprive the owners of substantial property rights that would otherwise be available or to a degree which obviously interferes with the best use or manner of development of the subject property.

#### Alternatives

There are no other reasonable alternatives in resolving the difficulty of the applicant. The first alternative requires the applicants to improve the existing county water system and provide the necessary dedicable water system improvements in accordance with DWS standards. The second alternative would be to design, drill and develop private wells and install the necessary water system improvements in accordance with DWS standards.

As such, the imposition of improving the existing public water system or providing an approved alternative water system for the proposed subdivision would be putting excessive demands upon the applicants when a more reasonable alternative is available.

#### Intent and Purpose-Water Variance

The intent and purpose of requiring a water system for and within the proposed subdivision is to assure that adequate water is available for human consumption and fire protection.

The analysis of existing site conditions, official maps, and rainfall summaries in the DWS and the Planning Department appear to support the rainfall data and information submitted by the

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applicant. The analysis of available private and public information appears to indicate that there is adequate rainfall within the subject property and surrounding areas to support individual or separate private rain water catchment systems for potable and emergency uses.

The State Department of Health has no specific rules or regulations relating to the utilization, construction or inspection of private roof catchment water systems for potable or emergency uses.

Additional provisions for water storage, water distribution, and construction of private rain water catchment system(s) on the property or proposed lots may be necessary and will be addressed by the applicant or future lot owner.

#### DETERMINATION-VARIANCE CONDITIONS

The subject variance application was deemed complete by the Planning Department on January 25, 1999.

Based on the foregoing findings, this variance request would be consistent with the general purpose of the zoning district and the intents and purposes of the Zoning Code, Subdivision Code and the County General Plan. Furthermore, the variance requested will not be materially detrimental to the public's welfare and will not cause substantial adverse impact to the area's character and to adjoining properties.

The variance requested to allow a proposed subdivision without water system meeting DWS standards is approved subject to the following conditions:

1. The owners, their assigns, or successors shall be responsible for complying with all conditions of Variance Permit No. 993, effective March 10, 1999.
2. WATER VARIANCE: The owners, their assigns, or successors shall file a written agreement or approved written document with the Planning Department within one (1) year from the issuance of tentative subdivision approval and prior to receipt of final subdivision approval of SUB 98-034. This written agreement shall contain the following deed language, being covenants, conditions, and restrictions which affect the proposed lots arising from the approval of pending subdivision application and shall be duly recorded at the Bureau of Conveyances of the State of Hawaii by the Planning Department at the cost and expense of the owners:

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- a. The owners agree and accept the fact that a County dedicable public water system is not now able to service the existing property or the proposed lots created by SUB 98-034.
- b. The owners agree and accept the fact that the County will not, at this time, bear the responsibility of supplying public water to proposed lots created by SUB 98-034.
- c. Any dwelling(s) constructed on the proposed lots not serviced by a County water system shall be provided with and maintain a private potable rain catchment system which includes a minimum 6,000-gallon for domestic consumption or potable uses. This catchment system shall adhere to the Department of Public Works, Building Divisions's "Guidelines for Owners of Rain Catchment Water Systems" as well as the State Department of Health requirements related to water testing and water purifying devices.
- d. Each permitted dwelling shall be provided with and maintain a private water supply system which includes an additional minimum 3,000 gallon water storage capacity for fire fighting and emergency purposes. The emergency water supply system, including the necessary compatible connector system and location of the water storage capacity on the property, shall meet with the approval of the Hawaii County Fire Department. The Hawaii County Fire Department also advises as a precautionary measure for other uninhabited agricultural structures that consideration be given to the provision of a similar water storage system for fire fighting and emergency purposes.
- e. In the event that there are any amendments or changes to the subdivision after the agreement is signed, the applicant shall be responsible for informing the County Planning Department of such amendments or changes so that the agreement can be amended thusly. Further, the written or recorded agreement shall be binding upon the owner(s), their successors or assigns and shall be incorporated as an exhibit and made part of each agreement of sale, deed, lease, or similar documents affecting the title or ownership of the existing property or approved subdivided lots.

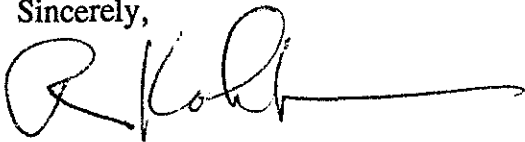
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- f. In the event that any of the lots created by SUB 98-034 are provided with water service (individual meter) from the Department of Water Supply or an approved water system, the lots shall utilize said water service and the owners shall assume pro-rate costs for such improvements as determined by the Department of Water Supply.
3. The owners, their assigns or successors shall comply with all other applicable State and County rules and regulations pertaining to subdivisions and land use.

Should any of the foregoing stated conditions not be complied with, the Planning Director may proceed to declare this Variance Permit null and void.

Thank you for your understanding and patience during our review.

Sincerely,



VIRGINIA GOLDSTEIN  
Planning Director

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xc: Department of Water Supply  
SUB 98-034