

REF:PB:MA



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION
P.O. BOX 621
HONOLULU, HAWAII 96809

AQUACULTURE DEVELOPMENT
PROGRAM
AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
CONSERVATION AND
RESOURCES ENFORCEMENT
CONVEYANCES
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
LAND DIVISION
STATE PARKS
WATER RESOURCE MANAGEMENT

File No: CDUA MA-3049B

MEMORANDUM

TO: Genevieve Salmonson, Director
Office of Environmental Quality Control

FROM: Harry Yada, Acting Administrator *HY*

SUBJECT: Finding of No Significant Impact (FONSI) for the FINAL ENVIRONMENTAL ASSESSMENT by Habitat for Humanity for a replacement single family residence at Kipahulu, Maunalaha Homesites, Oahu. [TMK 1-2-5-24:06]

The Department of Land and Natural Resources has reviewed the Final Environmental Assessment for the subject project. We have come to a Finding of No Significant Impact (FONSI) determination. Please publish notice for this FEA in the October 23, 2001 issue of The Environmental Notice. Enclosed are four copies of the Final Environmental Assessment.

Should you have any questions, please contact Masa Alkire of our planning staff at 587-0385.

OFFICE OF ENVIRONMENTAL
QUALITY CONTROL

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OCT 23 2001

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FILE COPY

KA'AWA

FINAL ENVIRONMENTAL ASSESSMENT

OCTOBER 2001

Replacement House at Maunalaha Homesite Lot 26
2401 Maunalaha Road
Honolulu, Hawaii
96822

TMK (1) 2-5-24:06

General Lease No. S-4909

Hawaii Revised Statutes 343 require a Draft Environmental Assessment for any proposed land use in a Conservation District. However, State Administrative Rules 11-200-8 of HRS list a class of actions which can be exempt from formal requirements of the State Office of Environmental Quality Control, OEQC, for a full Environmental Statement, with its associated process, "because they will probably have minimal or no impact on the environment".

The proposed construction of this single-family replacement dwelling in Maunalaha Homesites is in such a class. See 11-200 8(3)a. Therefore the Approving Agency (in this case DLNR) has the option of determining that the proposed action is exempt based on the following Draft Environmental Assessment, which DLNR will file with OEQC.

DRAFT ENVIRONMENTAL ASSESSMENT
per format in CDUA Master Application Form Rev. 12/94

1. APPLICANT...Joslyn Ka'awa
2. APPROVING AGENCY...Dept. of Land and Natural Resources
3. AGENCIES CONSULTED...none, per State Admin. Rules 1-200-12
4. GENERAL DESCRIPTION OF THE ACTION'S TECHNICAL, ECONOMIC, SOCIAL, and ENVIRONMENTAL CHARACTERISTICS...

Brief History

The subject 0.36 acre lot is one of 30 lots in the Maunalaha Homesites sub-division where Hawaiian families have been living since 1900. In 1913 Maunalaha Valley was declared a Forest Reserve by the Governor. In 1922 thirty of the settler families who had kept the land in continuous cultivation were issued permits by the Board of Commissioners of Agriculture and Forestry. The right to remain on the land was on a yearly renewable bases.

In 1983 the State Dept. of Land and Natural Resources formalized land tenure in Maunalaha Homesites by granting 65 year leases for residential use in this valley. In the 1960s meanwhile, the valley had been designated as a Conservation District, under sub-zone R.

Current Land Use In This Conservation District

The general objective of sub-zone R is to develop, with proper management, areas to ensure sustained use of the natural resources of the area. Maunalaha Valley and the larger abutting valley, Makiki Valley, have lands eminently suitable for hiking and nature study, which are dominant current uses. In lower Makiki Valley, The Nature Center, a volunteer organization, uses modest facilities there, together with hiking trails in the Conservation District, for extensive public ecological/environmental education.

EA-2

cdua 10

June 26, 2001

Socioeconomic Characteristics of the Proposed Action

Joslyn Ka'awa works at the Hale Koa Hotel and has worked there for the past five years. She has a 10 year old son and her common law husband, Christopher Chang has a 12 year old son. Christopher and the two sons help support the family with paper routes and have been doing this for a couple of years now. Because the original termite damaged house is not usable the family is forced to sleep in tents and to eat and live under a suspended tarp because they have not had the resources to rebuild. The Ka'awa family meets HHH family selection criteria. They are one of the top families on our long waiting list. It is pertinent that the Habitat program is designed to help such families "avoid or escape" from the "poverty cycle."

The Ka'awas are able to provide for family needs. However, without help from HHH (which provides zero-interest financing) or similar source, they will have little hope of ownership of affordable adequate housing.

Physical-environmental characteristics of the Proposed Action

The proposed 1084 SF, 3 bedroom permanent home will replace the existing termite damaged home and will improve the neighborhood. Accordingly the proposed continuation of residential use will cause no degradation of the physical, or social environment of this bucolic area.

The lot is not in any flood plain, tsunami zone, or geologically hazardous area. Neither the construction itself nor the subsequent residential use will cause any erosion, noise, or esthetic impact on the surrounding area.

5. SUMMARY DESCRIPTION OF THE EFFECTED ENVIRONMENT

The Maunalaha Homesites area of 30 lots comprises roughly 15 acres located about 1/2 mile north of Punahou School. See Figure 1. Lots of the Maunalaha Homesites area are shown in Figure 2. Lot 26, 0.36 acres (About 15,682 SF), leased to Joslyn Ka'awa is shown in Figure 3. Fronting the property to the west is Makiki Stream, abutting the property to the south and east is Lot 17 which has three families living in houses, and abutting the property to the north is Lot 7 which at this time has no house and no family living there. Lot 26's level area of about 5,000 SF, the homesite, is shown in Figure 4, and is the subject of this request for approval of residential use in a Conservation District.

The leveled area of Lot 26 has only grass and domestic planting. The upper sloped areas are undeveloped and are heavily wooded, with undergrowth.

There is no plan for use of these undeveloped sloped areas.

There are no archeological/historic sites in the area, as verified by the computer data base in the City Dept. of Land Utilization.

EA-3

cdua 11

June 26, 2001

6. IDENTIFICATION AND SUMMARY OF MAJOR IMPACTS, AND ALTERNATIVES CONSIDERED

There are no technical adverse impacts, as seen in paragraph 4. Also it is clear from para. 4 that the proposed continuation of residential use would not have adverse socioeconomic impacts. On the contrary, disapproval of such residential use at this time at this location is likely to have an adverse socioeconomic impact.

This specific continued residential use at the perimeter of the Conservation District, is compatible with objectives of Sub-zone R.

Alternative sites for affordable housing would require the applicant to move, and no known comparable affordable sites are available.

7. PROPOSED MITIGATION: None required. None proposed.

8. DETERMINATION: It is determined that the proposed action will cause no significant environmental impact. Accordingly a copy of this Environmental Assessment and Determination will be filed with the State Office of Environmental Quality Control per State Administrative Rules 11-200-9c.

9. FINDINGS AND REASONS SUPPORTING DETERMINATION:
See 4, 5 and 6 above.

PROJECT TIME SCHEDULE

**Ka'awa House Project
TMK (1) 2-5-24-06
2401 Maunalaha Road
Honolulu, Hawaii 96822**

Project to be completed within one year of the date the CDUA is approved and the building permit received.

FUND RAISING, MATERIAL DONATIONS AND VOLUNTEER RECRUITMENT

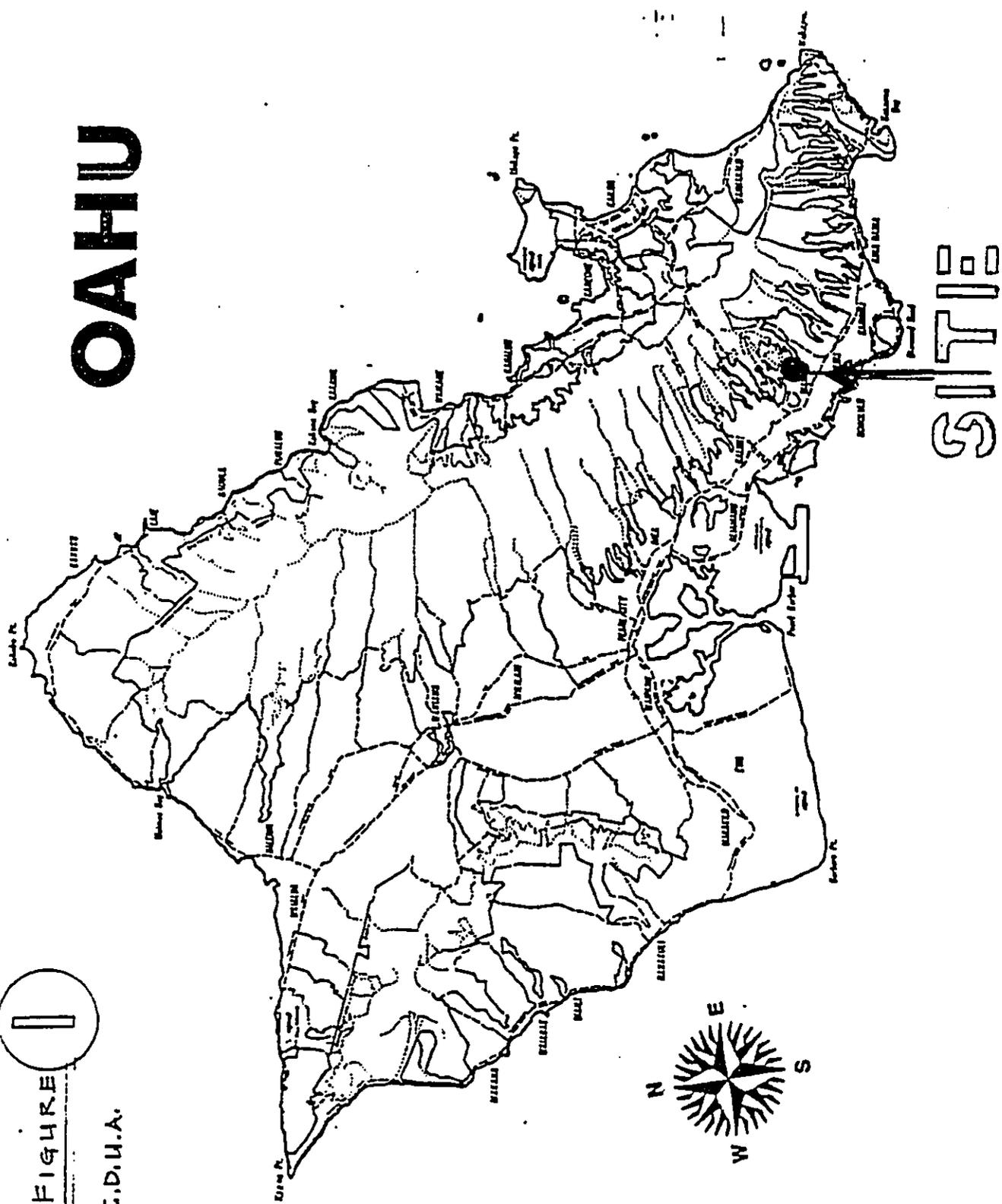
Habitat needs a Honolulu building permit in hand right away, even before the DLNR actually issues the final CDUP. With the building permit we can solicit specific material donations and money commitments. We can schedule work parties and recruit workers. This volunteer operation relies on the concerned good will of literally scores of people to be successful and lead time is absolutely essential. Honolulu Habitat for Humanity has the gritty experience and the helping heart to see the job through. But we need the constructive positive cooperation of our governing authorities to ease our path the make good things happen. This is our respectful request to the State Department of Land and Natural Resources today.

KAHALA

LOCATION MAP

FIGURE 1

G.D.U.A.



KAI'AIWAI

LOT DEVELOPMENT SKETCH

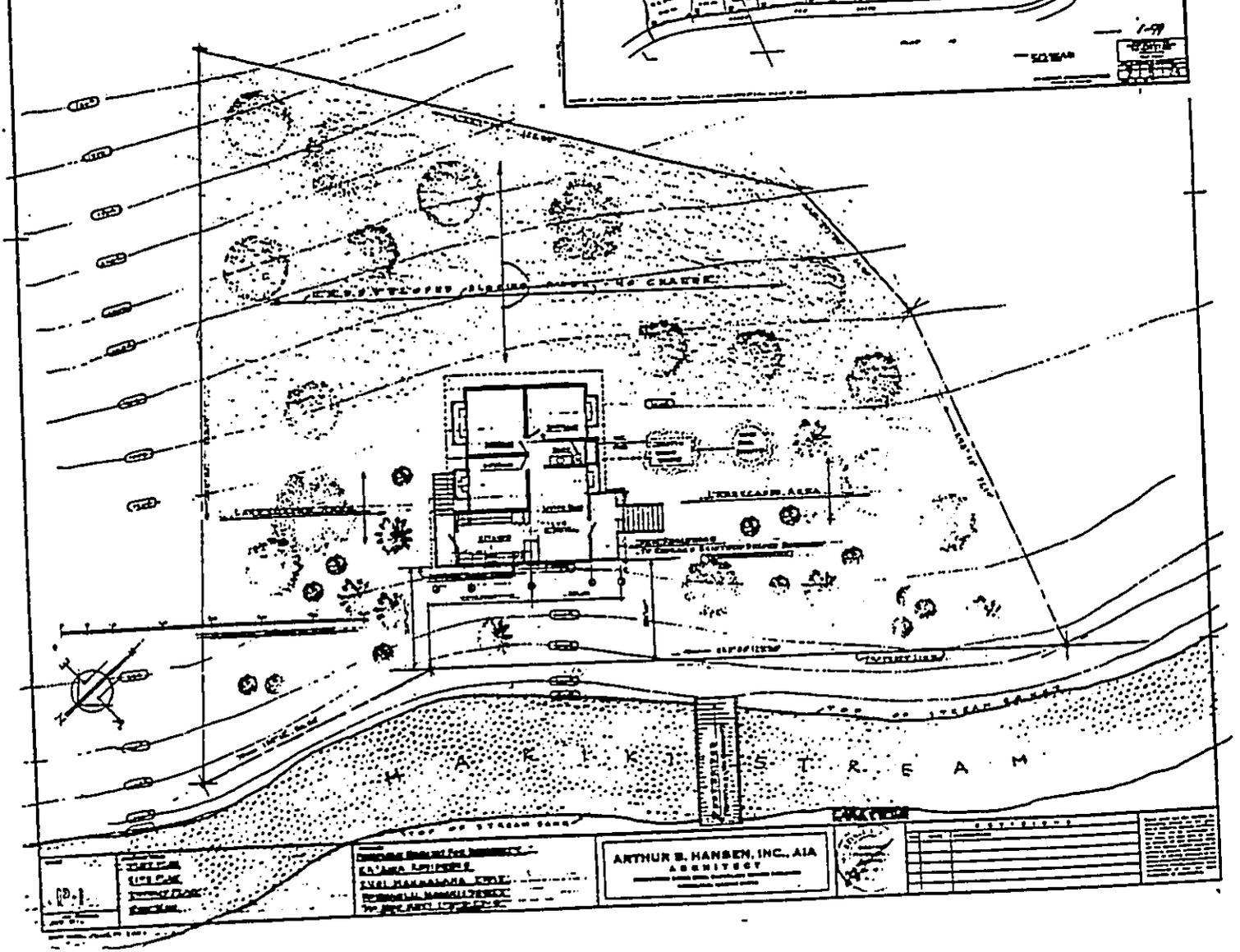
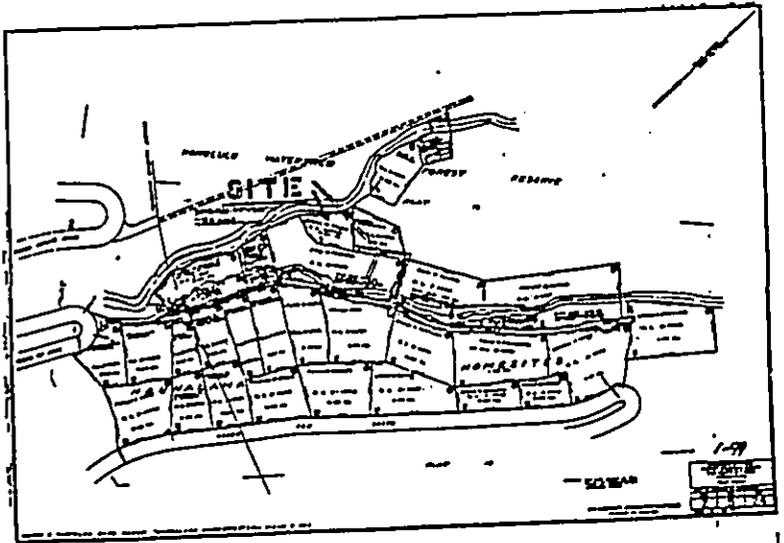
FIGURE 

C.D.H.A.

PLOT PLAN

SITE PLAN

LAYOUT PLAN



DATE: 1/15/54
BY: A.B.H.

ENGINEER FOR THE PROJECT:
KAI'AIWAI SUBDIVISION
KAI'AIWAI TRACT
KAI'AIWAI TRACT
KAI'AIWAI TRACT

ARTHUR B. HANSEN, INC., AIA
ARCHITECT



NO.	REVISION	DATE

KAWA'AWA PHOTOS

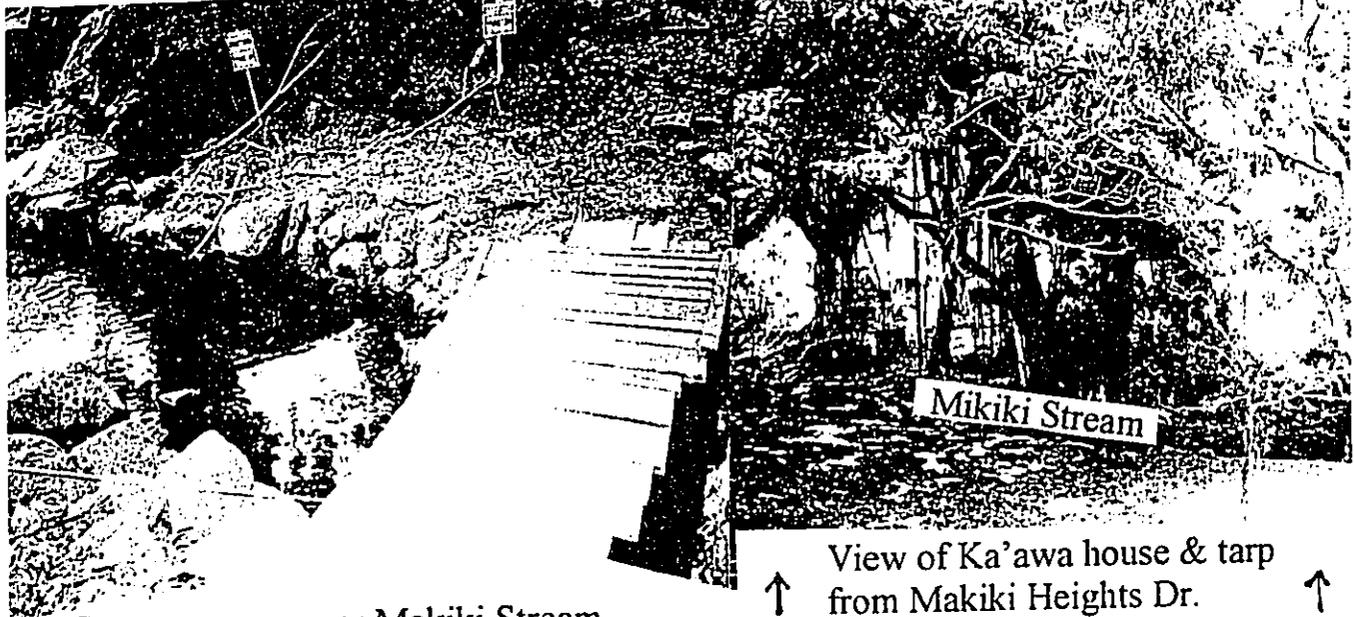
FIGURE 5
C.D.U.A.

2041 Maunalaha Road, Honolulu, HI 96822
Lease S 4909 TMK (1) 2-5-24-06



↑ Toilet still in use from termite damaged house

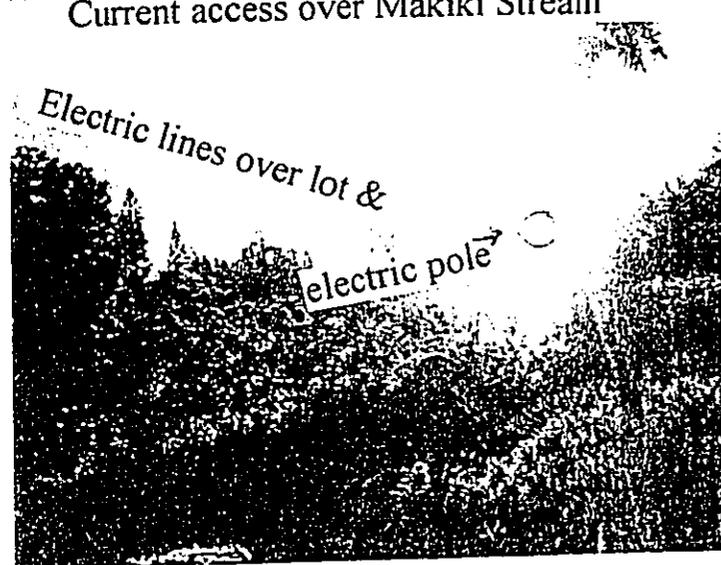
Living area;
family sleeping in tents under tarp



Current access over Makiki Stream

Makiki Stream

↑ View of Ka'awa house & tarp
from Makiki Heights Dr. ↑



Electric lines over lot &
electric pole



Termite damaged house

DOCUMENT CAPTURED AS RECEIVED

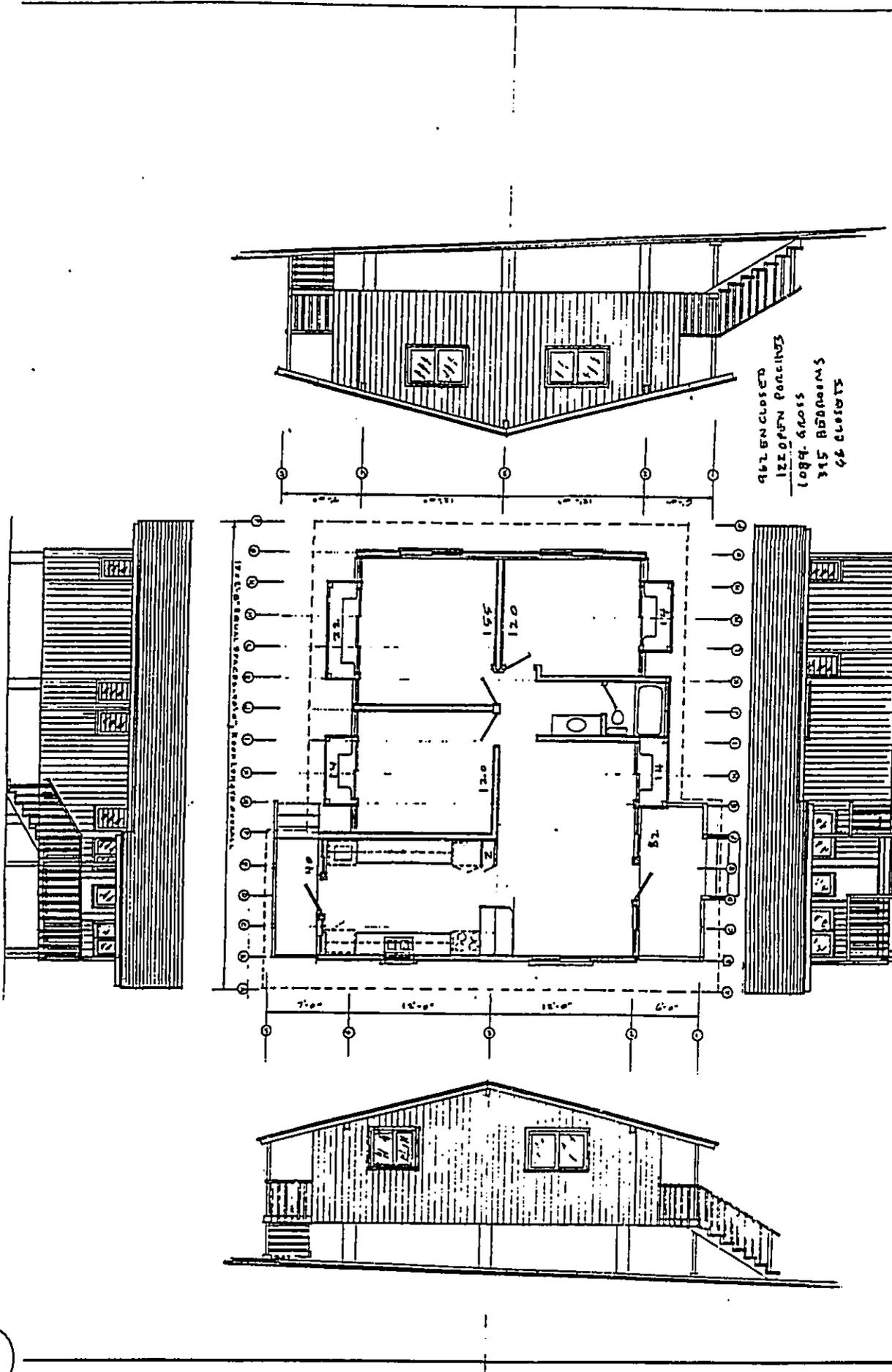
DO NOT WRITE ON THIS DRAWING AS REPRODUCED

KIAI'AUVAU

PROJECT PLANS

FLOOR PLAN ELEVATIONS

FIGURE 5



	ARTHUR B. HANSEN, INC.; AIA ARCHITECT <small>REGISTERED PROFESSIONAL ARCHITECTS</small> <small>MEMBER, AIA, SINCE 1915</small>
	HONOLULU HABITAT FOR HUMANITY
FLOOR PLAN ELEVATIONS	5
JAN 31/68	HONOLULU HABITAT FOR HUMANITY

OEQC BULLETIN PUBLICATION FORM
(Follow instructions on other side)

- 1 Project Name: Maunalaha Homesites Replacement Home
- Type of Document (*circle one*): Draft EA Final EA EIS prep notice draft EIS final EIS
Legal Authority: Chapter 343 HRS
Agency determination: Anticipated FONSI
- 2 Island: Oahu
District: Honolulu, Makiki
Tax Map Key Number: (1) 2-5-24-06
- 3 Applicant: Joslyn Ka'awa
Address: 2401 Maunalaha
Honolulu, HI
96822
Contact: Joslyn Ka'awa Phone: 941-1041
- 4 Approving Agency/
Accepting Authority: Dept. of Land & Natural Resources
Address: Kalanimoku Bl.
1151 Punchbowl St.
Honolulu, HI 96813
Contact: Samuel Lemmo Phone: 587-0381
- 5 Consultant: Honolulu Habitat for Humanity
Address: 2728 Huapala
Honolulu, HI
96822
Contact: Jose Villa, E.D. Phone: 988-9339
- 6 Public Comment Deadline: _____
- 7 Permits required prior to implementation: CDUA, Demolition,
Building
- 8 Project Summary (*name of file on disk*): Maunalaha Homesites Replacement Home
- 9 Public Library Copy: Manoa Public Library
- 10 This form was prepared by: Sally Toyama Phone: 988-0459/0460
Signature: Sally Toyama Date: 7/12/01

OEQC BULLETIN PUBLICATION FORM

1. Project Name: Maunalaha Homesites Replacement Home
Type of document Draft EA
Legal Authority: Chapter 343 HRS
Agency determination: Anticipated FONSI
2. Island: Oahu
District: Honolulu, Makiki
Tax Map Key Number: (1) 2-5-24-06
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Accepting Authority: Department of Land and Natural Resources
Address: Kalanimoku Building
1151 Punchbowl St.
Honolulu, HI 96813
Contact: Samuel Lemmo Phone: 587-0381
5. Consultant: Honolulu Habitat for Humanity
Address: 2728 Huapala
Honolulu, HI 96822
Contact: Jose Villa, Executive Director Phone: 988-9339
6. Public Comment Deadline:
7. Permits required prior to implementation: CDUA, Demolition & Building
8. Project Summary (name of file on disk): Maunalaha Homesites Replacement Home
DLNR's Land Division is reviewing an application for a single family replacement home on lot 26 of the Maunalaha Homesites. The Maunalaha Homesites area of 30 lots comprises roughly 15 acres located about ½ mile north of Punahou School in the Makiki district of Honolulu. Lot 26, 0.36 acres (about 15,682 SF), is leased State land, zoned "conservation district, sub-zone R". This lot is not within the county "special management area." An attachment to the CDUA discloses the 3-bedroom replacement home to be 1084 square feet. The home will replace the existing termite damaged home, and will improve the neighborhood. There will be no change in the contour of the site.
The anticipated conclusion from the Draft EA is that the construction of the replacement home and subsequent continuation of residential use is compatible with the objectives of the "conservation district sub-zone R" and that there will be no degradation of the physical or socioeconomic environment.

**Conservation District Use Application/Environmental Assessment
For Kaawa's, Maunalaha Homesites
Addendum**

**1.0 Description of Affected Environment, Potential Impact and
Mitigative Measures**

The environment surrounding the proposed project includes the natural and human or social environment. This describes the existing conditions, potential impacts to the environment, and appropriate mitigative measures.

1.1 Physical Characteristics

1.1.1 Topography

The project site is located within the 100 – 160 ft. elevations. The actual proposed building construction site is within the 115-125 ft. elevation. Most of the lot is sloped, consisting of well-drained soils.

Potential Impacts and Mitigative Measures:

The sloping area will not impact the proposed project, as the building will be placed on the most level portion of the site. The potential impact will be mitigated by compliance with the Uniform Building Code of the City and County.

1.1.2 Climate

The climate of Maunalaha valley is a moderate one, with daytime temperatures usually between the mid-70's and 80 degrees. As a valley, it is sheltered from many of the winds prominent on the island, receiving moderate tradewinds from the northeast. The median annual rainfall in the area averages between 60 –70 inches.

Potential Impacts and Mitigative Measures:

The proposed project will have not effect on the climatic conditions of the area and will therefore require no mitigative measures. Landscaping will help mitigate any localized temperature increases from the building.

1.1.3 Geology and Soils

Soil Conservation Survey. The Soil Survey of the Island of Hawaii, State of Hawaii, U.S. Dept. of Agriculture, Soil Conservation Service (Sato, et al, 1973), describes the soils at the project site as primarily Kawaihapai series (KlaB).

The Kawaihapai series soils consist of well drained soils found on Oahu and Molokai. These soils are usually found in elevations from sea level to 300 feet, in areas with an average rainfall of 30 – 50 inches. The type on the site is listed a "stony clay loam" and has enough stones to hinder, but not prevent cultivation. These soils are used for sugarcane, truck crops and pasture. Runoff is slow with the soil and the erosion hazard is slight.

Detailed Land Classification. The Detailed land classification uses a five-class productivity rating, using the letters A, B, C, D, and E, with A representing the class of the highest productivity and E the lowest. The physical characteristics of the soils at the project site are generally unsuited for most soil-based forms or agriculture. The University of Hawaii's Land Study Bureau Detailed Land Classification of Oahu, has classified this site as "E" lands, or the lowest productivity rating for agriculture.

Agricultural Lands of Importance to the State of Hawaii (ALISH). This site is not classified as under the Department of Agriculture – ALISH System as Prime or Unique Agricultural Lands.

Potential Impacts and Mitigative Measures:

All construction activities will be conducted in compliance with the appropriate requirements of the City and County of Honolulu Regarding grading, erosion, and fugitive dust. There should be no impacts as there are no plans for any grading of the proposed project site.

1.1.4 Drainage

Sheet flow into low-lying areas, nearby water bodies, and open ditches accommodate the site drainage in Maunalaha Valley.

Makiki Stream runs directly adjacent to project and is fed mostly by surface runoff. The proposed project site is not located within a floodplain or Special Flood Hazard Area according to the Federal Flood Insurance Rate Map (FIRM).

Potential Impacts and Mitigative Measures.

The proposed project will have no negative impacts. Drainage patterns will not be altered. Flow will continue as usual and any additional runoff from the project will be directed to landscaped plantings.

1.1.5 Natural Hazards

The proposed project will not be subject to natural hazards any more than other similar projects on the island of Oahu. The project is not located along a coastline and is not at risk for tsunami hazards. Also, the site is somewhat sheltered from the winds in the valley, since it is located below the ridgelines. Nor is the project located with the Special Management Area.

Potential Impacts and Mitigative Measures.

The project will not aggravate any hazard conditions. The potential impact of destructive winds and earthquakes on the structure will be mitigated by compliance with the Uniform Building Code of the City and County.

1.1.6 Flora and Fauna

Animals in the Maunalaha Valley community include domestic animals including dogs, cats, chickens and pigs. Other animals in the area include rats, mice, mongoose, feral cats, feral birds and feral cockatoos. There are no poisonous vegetation, insects, or animals know to dwell in Maunalaha Valley.

Previous studies of the Maunalaha Watershed and Makiki Valley note no records of any threatened or endangered species or native ecosystems currently existing in the area. Previous activities have eliminated the original native forests and grasslands. Long term human has introduced many feral and domestic animals.

Potential Impacts and Mitigative Measures.

The Department of Land and Natural Resources, Forestry and Wildlife has stated that the area is not designated as a critical habitat.

1.1.7 Wetlands and Stream Resources

The United States Geological Survey Maps shows five intermittent streams originating in the Makiki-Tantalus area. Of these streams, Kanaha and Maunalaha are frequently dry. The remaining streams are Moleka and Kanealole. Both flow into Makiki stream, which runs directly adjacent to the project site.

No wetlands are evident near the project sites and the area is not located near any wetlands designated on the National Wetlands Inventory Map.

Potential Impacts and Mitigative Measures.

The project is a replacement of a pre-existing, substandard structure, which is not expected to impact the stream. During the construction period, measures will be taken to prevent silt from entering the streams as described earlier in the drainage discussion.

2.2 Human Environment

2.2.1 Archaeology

The property that has been used to sustain the lives of generations of its inhabitants is not listed or eligible for listing on the National Register of Historic Places. Maunalaha though slightly isolated is in the middle of an urban community and is not adjacent or within the confines of a historic district. An Environmental Impact State prepared by the Department of Land and Natural Resources, State Parks, Martha Yent, 1994 lists no archaeological significance and or findings in its report.

Potential Impacts and Mitigative Measures.

According to DLNR Historic Preservation should archaeologically significant findings be uncovered during the project, the appropriate measures will be taken as required.

2.2.2 Traffic

The proposed project site is located on a state road off of the Makiki Heights Drive. The Department of Land and Natural Resources, Dept. of Forestry and Wildlife, the Hawaii Nature Center and two other residents in the valley, use this road.

Potential Impacts and Mitigative Measures.

There will be no impact to traffic as the project site is not located on any major street or roadway.

2.2.3 Air Quality

Air quality in the proposed project area is subject to tradewinds year round and is only affected by air pollutants from natural and vehicular sources. There are no industrial or agricultural air pollution sources in the area.

Potential Impacts and Mitigative Measures.

Construction of the proposed residential structure is not expected to significantly impact air quality. Construction activities will most likely generate short-term impacts due to fugitive dust, however these activities will occur over a relatively short period of time and will be mitigated by various control measures, such as frequent watering and rapid establishment of landscaping materials.

2.2.4 Noise

The proposed project is not located near a major noise source. It is geographically situated in a valley that is removed from major highways. Existing noise sources in the area are limited to the occasional traffic from the State and the Hawaii Nature Center.

Potential Impacts and Mitigative Measures.

Proper mitigation measures will be employed to minimize noise impacts. The proposed building is not expected to have any significant impact to the surrounding neighborhood.

2.2.5 Visual Resources

The proposed project site is only visible from the State road and is not visible from any major highways and roadways.

Potential Impacts and Mitigative Measures.

The replacement of the current existing structure will have a very positive impact on the surrounding area. It will upgrade the appearance of the neighborhood significantly. The proposed landscaping of the construction site with Native plants will enhance the beauty of the valley.

2.2.6 Social

The people of Maunalaha have great pride in the native Hawaiian community and the proposed project will enhance the community. The impact of the project is a positive impact towards the upgrading of all-substandard homes and infrastructure found within the Maunalaha Homesites.

Potential Impacts and Mitigative Measures.

Maunalaha is a community that is committed to improving the quality of life for their residents. The proposed project is one that will serve as a model for others. It is the third home built in Maunalaha in partnership with the Honolulu Habitat for Humanity. The community hopes to enter into more partnerships with Honolulu Habitat.

2.2.7 Economic

The proposed project is a residential structure and no income is derived from the use of the property. The residential lot is subject to real property tax, lease fees and liability insurance as imposed by the general lease. The project itself is a presence in the community to improve the economic status of its residence.

Potential Impacts and Mitigative Measures.

During the construction of the project it is hoped that the work experience gained will be beneficial in finding employment. It will also provide some positive economic impacts from construction related expenses, such as building materials, rental of certain construction equipment, and rental of bins for disposal.

3.1 Infrastructure/Public Health

3.1.1 Water

Project site receives service from a Board of Water supply waterline.

Potential Impacts and Mitigative Measures.

The estimated average daily demand for water should not increase the current usage for the single-family dwelling unit.

3.1.2 Wastewater

Project site does not currently receive sewer service. It is serviced by a septic system.

3.1.3 Utilities

Project site has current service from Hawaiian Electric Company.

3.1.4 Solid Waste

Project site has services provided by the City and County. Trash pickup is two days a week.

3.1.5 Public Services

Social services are easily accessible to this population. The residents and state agency that shares the use of this area has existed in the area prior to 1900.

3.1.5.1 Fire

The Makiki Fire Station #42 within five minutes services the area from the valley. There is a fire hydrant located within a 100 feet of the property.

3.1.5.2 Police

The Honolulu Police Department on Beretania Street services the community.

3.1.5.3 Health

The Honolulu Fire Departments service the community, Makiki Fire Station #42 and the City and County of Honolulu EMS.

2.0 Determination and Findings

To determine whether the proposed action may have significant impact on the environment, the project and its expected consequences, both primary and secondary, and the cumulative as well as short and long-term effects have been evaluated. Based on the studies performed and research evaluated, and presented in the Draft Environmental Assessment preceding this report, a finding of no significant impact is anticipated and summarized below.

2.1 Significance Criteria

According to the Department of Health Rules (11-200-12), an applicant must determine whether an action may have significant impact on the environment, including all phases of the project, its expected consequences both primary and secondary, its cumulative impact on other projects, and its short and long term effects. In making the determination, the Rules establish "Significance Criteria" to be used as a basis for identifying significant environmental impacts. According to the Rules and action shall be determined to have significant impacts on the environment if it meets any one of the following criteria:

1) Involves an irrevocable commitment to loss or destruction of any natural or cultural resource:

The proposed project will not cause any loss or destruction of any natural or cultural resource. The proposed project does not interfere with any cultural practices as supported by the community association. There will be no loss to any natural resource as the proposed project site use is within the uses allowed for P-1 zoning.

2) Curtails the range of beneficial uses of the environment:

The proposed project is within the uses allowed. The proposed project will be beneficial to the social environment of the Maunalaha community. The planned residence and services at this site could be determined to be the best use of the property.

3) Conflicts with the state's long term environmental policies or goals and guidelines as expressed in Chapter 344, HRS, and any revisions thereof and amendments thereto, court decisions and executive orders:

The proposed project is consistent with the Environmental Policies established in Chapter 344, HRS, and the National Environmental Policy Act.

4) Substantially affects economic or social welfare of the community or state:

The construction of a replacement dwelling will have a positive affect to the social and economic welfare of the people in the community.

5) Substantially affects public health:

Impacts to public health may be temporarily affected by air and noise impact during the construction. These affects is short-term and insignificant when weighed against the positive social and quality of life benefits associated with this project.

- 6) Involves substantial secondary impacts, such as population changes or effects on public facilities:**
The project will not have any additional impacts to the population in the area as the family currently resides on the property. There will be no additional impacts to public facilities such as schools and parks. The proposed project will not place any additional demands on local water and sewer infrastructure.
- 7) Involves a substantial degradation of environmental quality:**
The project is a replacement of a substandard structure and is not expected to degrade environmental quality onsite or in the surrounding neighborhood. Best Management Practices (BMP) will provide safeguards for protection of water quality during the short-term construction.
- 8) Is individually limited but cumulatively has considerable effect upon the environment or involves commitment for larger actions:**
The design of the replacement structure will have minimal effect on the environment and its long-term impact will be improved due to the commitment of the community in partnering with the family to restoration of native plants in to the watershed. The cultural practice of stewardship will support the larger community.
- 9) Substantially affects a rare, threatened, or endangered species, or its habitat:**
No threatened or endangered species are known to inhabit the project site or surrounding area. It is not designated a critical habitat or listed in the National Wetlands Inventory. This project will have no impact to these criteria.
- 10) Detrimentially affects air or water quality or ambient noise levels:**
Minimal impacts on air and noise quality are anticipated during construction, but will be limited by appropriate construction practices. Any possible impact to the adjacent Makiki stream will be minimized and mitigated by on-site detention of runoff during construction. BMP's will be implemented for water quality protection.
- 11) Affects or is likely to suffer damage by being located in an environmentally sensitive area such as a flood plain, tsunami zone, beach, erosion-prone area, geologically hazardous land, estuary, fresh water, or coastal waters:**
The project site is not located in an environmentally sensitive area, and therefore is unlikely will suffer any damage from these sources.
- 12) Substantially affects scenic vistas and viewplanes in county or state plans or studies:**
State and county plans have not identified any scenic vistas or viewplanes in the project site. Maunalaha is a lush valley with few views in to the valley from the surrounding neighborhood. There is no view outside of the valley from the proposed project site.

13) Requires substantial energy consumption:

Construction of this single family dwelling unit is not expected to exceed consumable energy beyond current allotment for residential use.

2.2 Anticipated Determination:

On the basis of the above criteria, and the discussion of impacts and mitigative measures contained in this document, it is anticipated that the project will not have a significant negative effect on the environment and will on the contrary, result in positive effects to the natural, cultural and social environments.

References

Baker, H.L. et al., 1965. *Detailed Land Classification, Island of Hawaii*. L.S. Land Study Bureau, University of Hawaii

Yent, Martha, 1994, *Makiki-Tantalus State Recreational Area, Environmental Impact Statement*, Department of Land and Natural Resources, State Parks.

United States Department of Agriculture Soil Conservation Service, 1972. *Islands of Kauai, Oahu, Maui, Molokai, and Lanai, State of Hawaii*.



Honolulu Habitat for Humanity

Building homes in partnership with God's People in need

October 8, 2001

Mr. Masa Alkire, Planner
Land Division
Dept. of Land and Natural Resources
PO Box 621
Honolulu HI 96809

Dear Mr. Masa Alkire:

Re: Response to concern from the Office of Environmental Quality Control regarding the Conservation District Use Application for the Kaawa, Maunalaha Homesite.

This letter will address each of the concerns as stated in the letter dated September 6, 2001:

1) **Environmental Setting:**

Enclosed for review is a copy of the FIRM map of the area. It shows that the proposed site is not within a Floodzone. Also attached for review is a revised copy of figure 5 submitted in the original application referring to the second photo in the left column, which now shows the high water mark.

As requested a larger version of figure 4 showing the topographical contours and elevation is attached for your review.

Note: In the attached response to significant criteria the concerns of drainage will be addressed.

2) **Wastewater Impacts:**

A Septic system eliminates any impact to Makiki Stream.

3) **Cultural Impacts:**

Attached is a letter from the Community Association for the Maunalaha Homesites supporting the project, in stating that there will be no impact to the cultural practices. It further supports the project by continuing the community efforts in restoring endemic and indigenous plants back in to the watershed.

4 & 5) **Guidelines for Sustainable Building Design in Hawaii and Use of Recycled Glass:**

The guidelines received were submitted to the architect Art Hansen for review and consideration of the proposed concepts.

Page 2
Mr. Masa Alkire
Land Division

- 6) **Indigenous and Polynesian Introduced Plants for Use in Public Landscaping:**
The community association has an ongoing effort of revitalizing the watershed through the elimination of alien and invasive species and the introduction of native plants. The project site will be participating in the community efforts once project is completed.
- 7) **Revision of Discussion of the Significance Criteria:**
See attach report-addressing HAR 11-200-12.
- 8) **Environmental Assessment Checklist:**
It is our hope that in addressing your concerns noted in this response, that the original environmental assessment be accepted with this follow-up as an addendum. This will allow for a timely processing of the requested CDUA.

Thank you for your consideration and review in this matter. Should there be further questions and or concerns, please contact me at 808-956-8833. I will be glad to assist.

Aloha,



Charlotte "Coco" K. Needham
Family Partner

Enclosures: Copy of FIRM Map
Copy of site in reference to FIRM map
Copy of Fig. 5 with reference to High Water Mark
Actual Plot plan shown as Fig. 4 showing contour elevations
Letter from the Maunalaha Community Association
Report on the Significant Impact stated in HAR 11-200-12.

C: Lesley Segundo, OEQC
Joslyn Kaawa
Honolulu Habitat for Humanity

Map Oahu

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

CITY AND COUNTY
OF HONOLULU,
HAWAII

PANEL 360 OF 395
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS
COMMUNITY

NUMBER PANEL SUFFIX

HONOLULU
CITY AND COUNTY OF 150001 0350 E

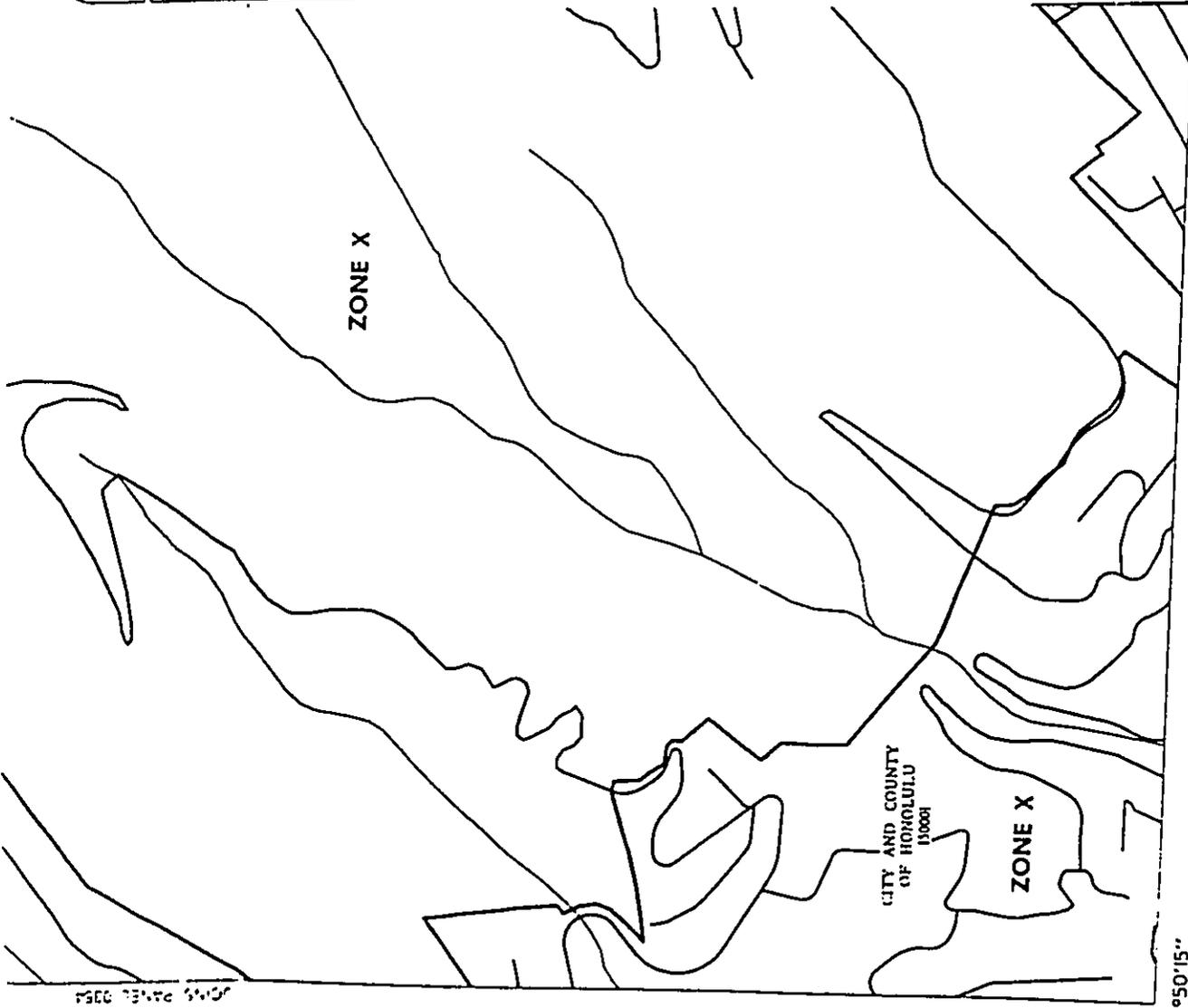
HAWAII STATE LIBRARY
HAWAII & PACIFIC SECTION

MAP NUMBER
15003C0360 E

EFFECTIVE DATE:
NOVEMBER 20, 2000



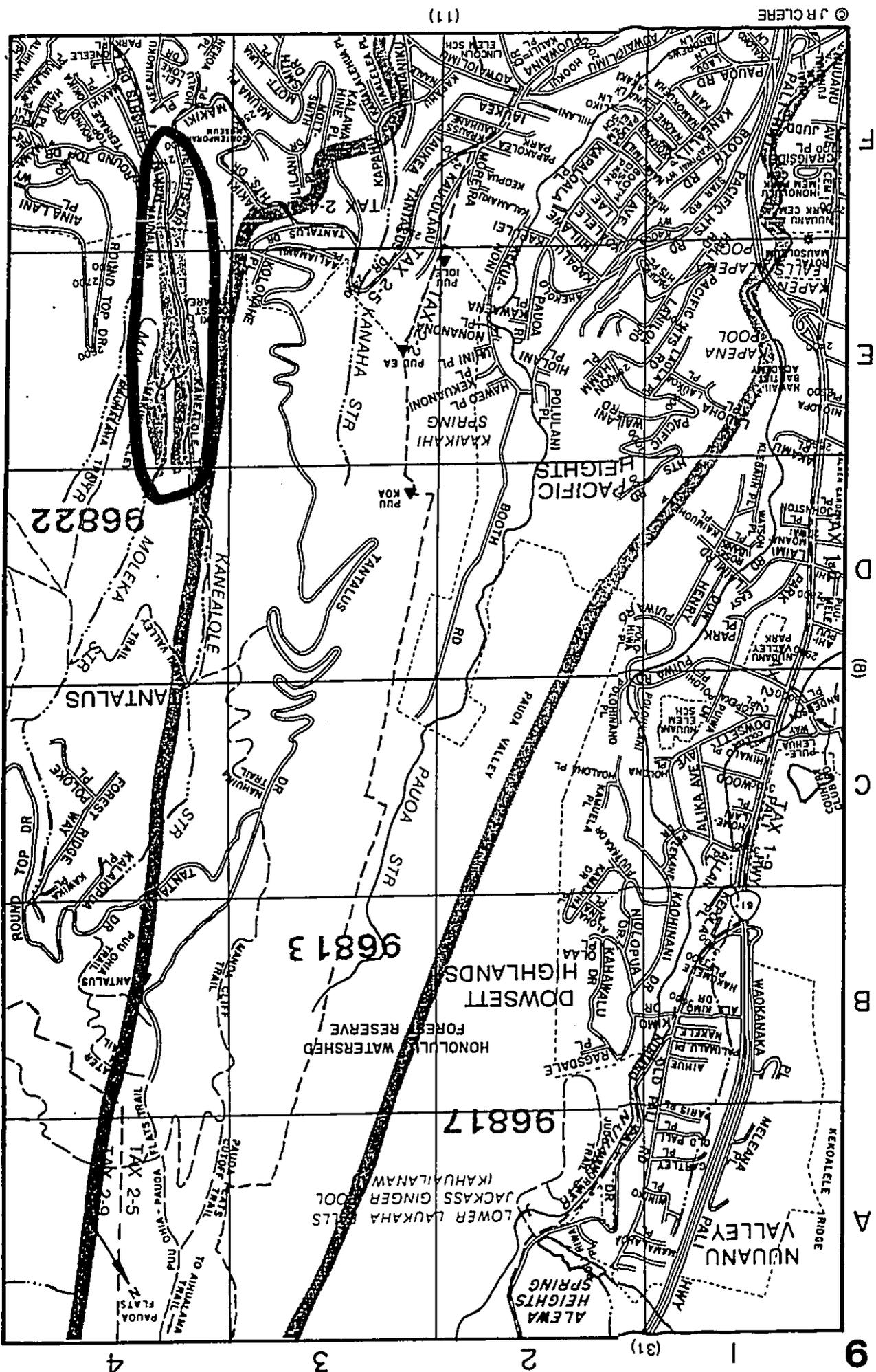
Federal Emergency Management Agency



0350 PANEL 360 OF 395

21°18'45"
157°50'15"

DOCUMENT CAPTURED AS RECEIVED



(11)

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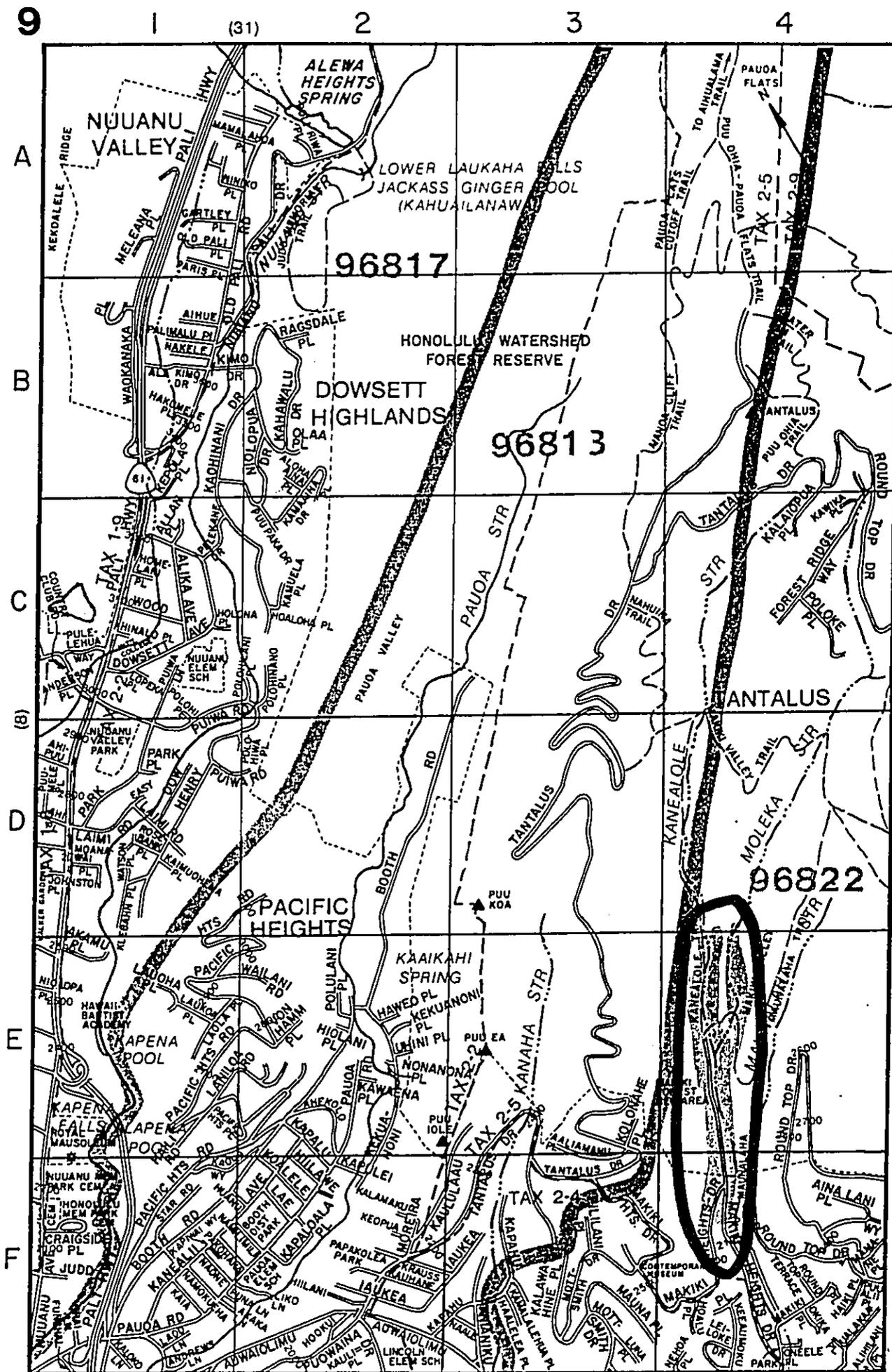
2

3

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CORRECTION

THE PRECEDING DOCUMENT(S) HAS
BEEN REPHOTOGRAPHED TO ASSURE
LEGIBILITY
SEE FRAME(S)
IMMEDIATELY FOLLOWING



DOCUMENT CAPTURED AS RECEIVED

KAWA'AWA PHOTOS

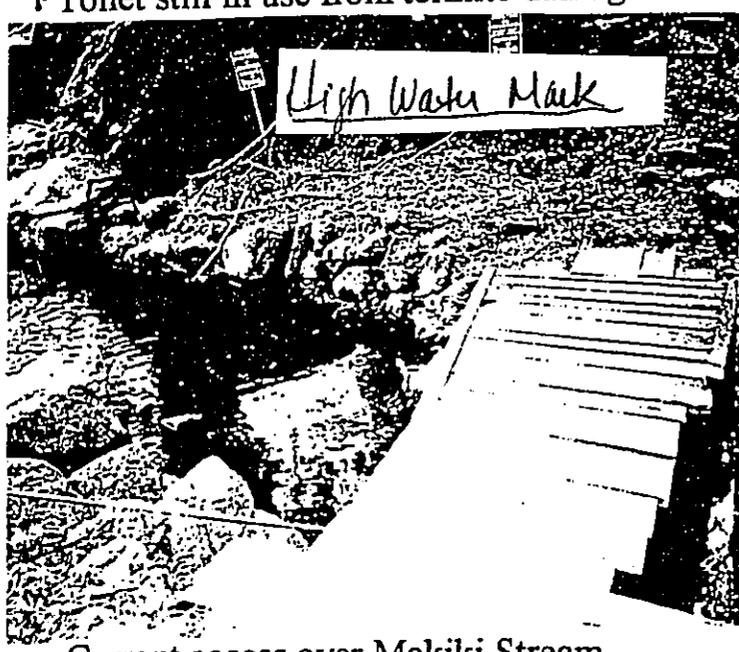
FIGURE 5
C.D.U.A.

2041 Maunalaha Road, Honolulu, HI 96822
Lease S 4909 TMK (1) 2-5-24-06

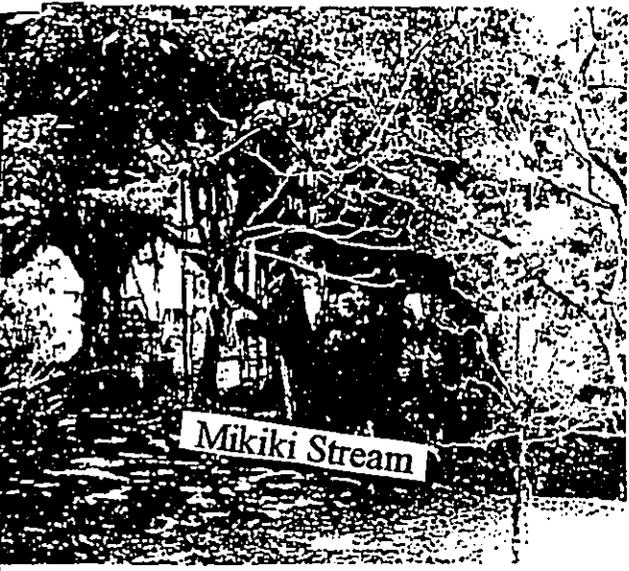


↑ Toilet still in use from termite damaged house

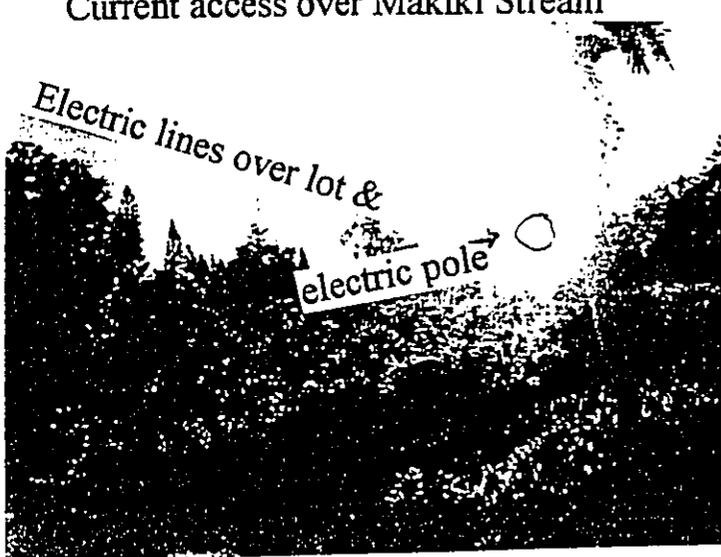
Living area; family sleeping in tents under tarp



Current access over Makiki Stream



↑ View of Ka'awa house & tarp from Makiki Heights Dr. ↑

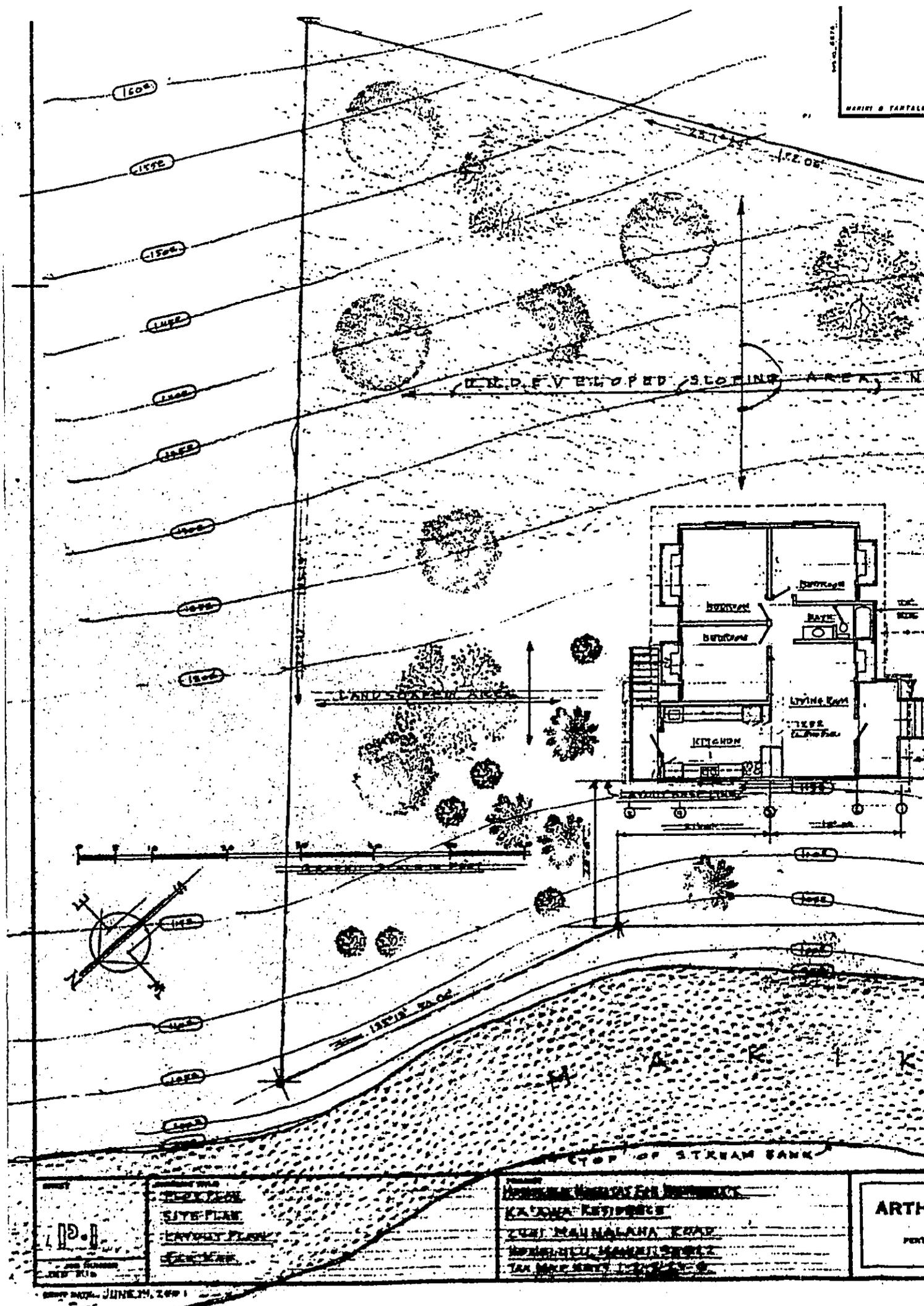


Electric lines over lot & electric pole



Termite damaged house

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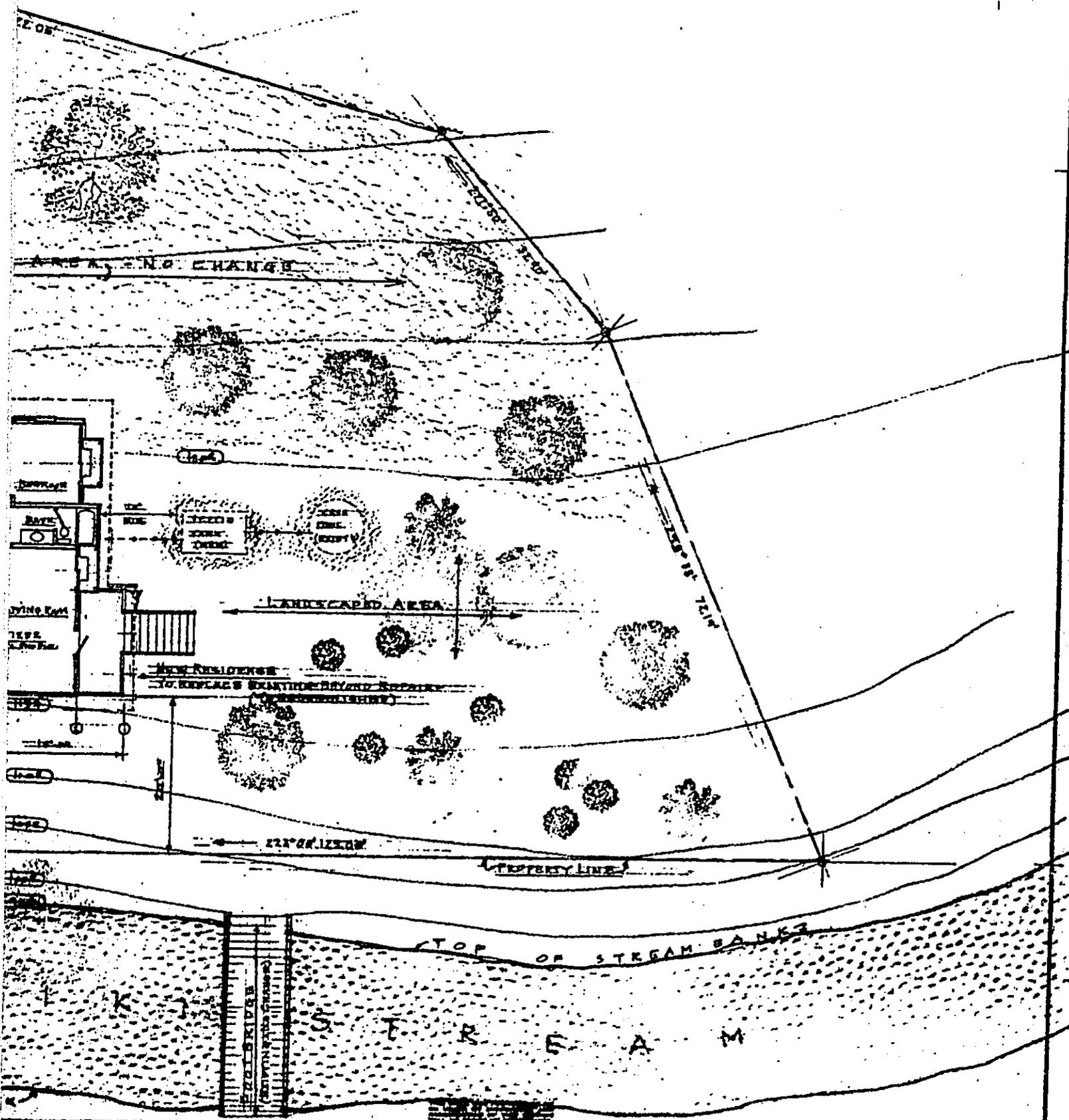
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FLAT 19

1-99

CITY OF HONOLULU
TAX MAP SECTION
2 5 24

FOR PROPERTY ASSESSMENT PURPOSES
SUBJECT TO CHANGE



ARTHUR B. HANSEN, INC., AIA
ARCHITECT
 PENTHOUSE SUITE 2700, KAPIOLANI MANOR BUILDING
 HONOLULU, HAWAII 96814



REVISIONS		
NO.	DATE	DESCRIPTION

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Maunalaha Valley Community Association

*2348 Maunalaha Road
Honolulu, Hawaii 96822*

October 8, 2001

Mr. Harry Yada, Administrator
Mr. Masa Alkire, Planner
Dept. of Land and Natural Resources
Land Division
State of Hawaii
PO Box 621
Honolulu HI 96809

Dear Mr. Yada and Mr. Alkire:

Re: Conservation District Use Application, Kaawa Residence.

In response to the concern regarding cultural practices within the proposed development area. There will be no impact to the cultural practices.

Our community is doing a Watershed restoration project. We are removing alien and invasive species and replanting with Indigenous and Endemic plants. Once construction is completed we are planning to plant Native species on their property.

Aloha,

Sally Moses

Sally Moses
Vice President

C: Leslie Segundo, OEQC
Honolulu Habitat for Humanity