JOHN WAIHEE
GOVERNOR OF HAWAII

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

WILLIAM W. PATY, CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES

DEPUTIES

KEITH W. AHUE
MANABU TAGOMORI
RUSSELL N. FUKUMOTO

AQUACULTURE DEVELOPMENT PROGRAM
AQUATIC RESOURCES
CONSERVATION AND ENVIRONMENTAL AFFAIRS
CONSERVATION AND RESOURCES ENFORCEMENT
CONVEYANCES
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION PROGRAM
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

RECEIVED
'90 NOV 13 P12:09
OFC. OF ENVIRON. QUALITY CONT.

REF:OCEA:JN

Seawall Aquaculture Operation in Waiapuu

FILE: MO-10/24/90-2403
DOC: 0252E

NOV 9 1990

MEMORANDUM

TO: Office of Environmental Quality Control

FROM: William W. Paty, Chairperson
Board of Land and Natural Resources

SUBJECT: DOCUMENT FOR PUBLICATION IN THE OEQC BULLETIN - ENVIRONMENTAL ASSESSMENT FOR CONSERVATION DISTRICT USE APPLICATION

The attached Chapter 343 Document was reviewed and a negative declaration was declared based upon the environmental assessment provided with the CDUA

Please call Don Horiuchi of our Office of Conservation and Environmental Affairs, at 8-7837, if you have any questions.

WILLIAM W. PATY

Attachment

1990-11-23-MO-FEA
Seaward Aquaculture Operation in Ualapue FILE COPY

DOCUMENT FOR PUBLICATION IN THE OEQC BULLETIN

Date: ___/___/___ Prepared by: KAPUNI, Zelda

The document is a (check all that apply)

Chapter 205A Document	( )	Negative Declaration	(X)
Chapter 343 Document	( )	EIS Preparation Notice	( )
NEPA Document	( )	Draft EIS	( )
		Final EIS	( )
		Acceptance Notice	( )

Is the document a supplemental EIS? Yes ( ) No (X)

Title of Proposed Action or Project: Raising limu in fishpond

Location: Island MOLOKAI District UALAPUE

Type of Action (check one): Applicant (X) Agency ( )

Name of Proposing Applicant or Agency: KAPUNI, ZELDA
Name of Contact: KAPUNI, Zelda
Address: Star Route 173
City: Kaunakakai State: Hawaii Zip Code: 96748
Phone: (808) 558-8214

Name of Preparer or Consultant: KAPUNI, ZELDA
Name of Contact: KAPUNI, Zelda
Address: Star Route 173
City: Kaunakakai State: Hawaii Zip Code: 96748
Phone: (808) 558-8214

Accepting Authority: Department of Land & Natural Resources

Estimated Project Cost:

Federal Funds	$ 0.00
State Funds	$ 0.00
County Funds	$ 0.00
Private Funds	$ 300.00
TOTAL	$ 300.00

Document Preparation Cost:

Neg Dec/EA	$
Draft EIS	$
Sup Draft EIS	$
Sup Final EIS	$
TOTAL	$

EA Trigger (check all that apply)

(X) Use of State or County Lands or Funds
(X) Use of Conservation District Lands
( ) Use of Shoreline Setback Area
( ) Use of Historic Site or District
( ) Use of Lands in the Waikiki Special District
( ) Use Requiring an Amendment to a County General Plan

NOTE: For answers to any question on Page 10 or 11, please contact the Office of Environmental Quality Control at (808) 548-6915.

[OEQC Form 89-01 (1/89)
Page 1 of 2]

( ) Use Requiring the Reclassification of Conservation Lands
( ) Construction or Modification of Helicopter Facilities
( ) Other _____

Brief Description of the Proposed Action or Project which will be Published in the OEQC Bulletin (limit of 500 words or less): _____

Raising manawea limu in 3.3 fishpond.

(Continue on another sheet if necessary)

Tax Map Key(s): *5-6-03:35*

FOR OEQC USE ONLY

Date of Submission:
Date of Publication:
Last Day for Consulted Party Request:
Comment Period Ends:
Acceptance Date:
Publication Date of Acceptance:

OEQC # _____
Planner:

FILE COPY

February 1983

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

FOR DLNR USE ONLY
Reviewed by
Date
Accepted by
Date
Docket/File No.
180-Day Exp.
EIS Required
PH Required
Board Approved
Disapproved
Well No.

DEPARTMENT MASTER APPLICATION FORM

(Print or Type)

I. LANDOWNER/WATER SOURCE OWNER (If State land, to be filled in by Government Agency in control of property)

Name: State of Hawaii
Address: DLNR
P.O. Box 621
Honolulu, HI 96809
Telephone No. 548-7519
SIGNATURE
Date

II. APPLICANT (Water Use, omit if applicant is landowner)

Name: ZELDA KAPUNI
Address: Star Route 173
Kaunakakai, HI 96748
Telephone No. (808) 558-8214
Interest in Property: none
(Indicate interest in property; submit written evidence of this interest)
*SIGNATURE: Zelda Kapuni
Date: 6/13/90

*If for a Corporation, Partnership, Agency or Organization, must be signed by an authorized officer.

III. TYPE OF PERMIT(S) APPLYING FOR

(✓) A. State Lands
(✓) B. Conservation District Use
( ) C. Withdraw Water From A Ground Water Control Area
( ) D. Supply Water From A Ground Water Control Area
( ) E. Well Drilling/Modification

IV. WELL OR LAND PARCEL LOCATION REQUESTED

District: second
Island: Molokai
County: Maui
Tax Map Key: 5-2-03:35
Area of Parcel: 3.300 acs (Indicate in acres or sq. ft.)
Term (if lease)

V. Environmental Requirements *(See 2A, 2B)*

Pursuant to Chapter 343, Hawaii Revised Statutes, and in accordance with Title 11; Chapter 200, Environmental Impact Statement Rules for applicant actions, an Environmental assessment of the proposed use must be attached. the Environmental assessment shall include, but not be limited to the following:

(1) Identification of applicant or proposing agency;

(2) Identification of approving agency, if applicable;

(3) Identification of agencies consulted in making assessment;

(4) General description of the action's technical, economic, social, and environmental characteristics;

(5) Summary description of the affected environment, including suitable and adequate location and site maps;

(6) Identification and summary of major impacts and alternatives considered, if any;

(7) Proposed mitigation measures, if any;

(8) Determination;

(9) Findings and reasons supporting determination; and

(10) Agencies to be consulted in the preparation of the EIS, if applicable.

VI. Summary of Proposed Use (what is proposed) *(See 2C)*

V. ENVIRONMENTAL REQUIREMENTS

Pursuant to Chapter 343, Hawaii Revised States, and in accordance with Title 11; Chapter 200, Environmental Impact Statement Rules for applicant actions, an Environmental assessment of the proposed use must be attached. The Environmental assessment shall include, but not be limited to the following:

(1) Identification of applicant or proposing agency:

KAPUNI, Zelda
Female
Age 31 years
SS# [redacted]
Molokai Resident
Local residence @ Ualapue, Molokai

(2) Identification of approving agency, if applicable:

N/A

(3) Identification of agencies consulted in making assessment:

N/A

(4) General description of the action's technical, economic, social, and environmental characteristics:

Traditional use of fishpond by growing limu in Conservation (within urban) zone.

Technical : Traditional techniques mixed with modern advice

Economic : Enough money can be made to feed our family

Social : A family venture

Environmental: No changes to be made to pond

(5) Summary description of the affected environment, including suitable and adequate location and site maps:

An old fishpond with porous walls of stacked stone in disrepair. Broken walls allows the tide to freely flow bringing in nutrients for growing limu.

See Exhibit A - Project site at 5-6-03-35 on the Southeast shore of Molokai.

FISH GATHERED IN OLD FISHPOND:

SCIENTIFIC NAME	COMMON NAME
Albula sp.	O io
Saurida flamma	Ulae
Kuhilia sandivicensis	Aholehole
Sphyraena barracuda	Kaku
Foa brachgramma	Upapalu
Lutjanus fulvus	To au
Stethojulius sbalteata	Omaka
Abudefduf abdominalis	Mamo
Gomphosus varius	Aki-lolo
Asterropteryx semipunctatus	O opu
Bathygobius fuscus	*O opu*
Arothron hispidus	Balloon fish
Charybdis erythrodactyla	Blue pincher crab
Scylla serrata	Samoan crab

In addition, jellyfish, Casseiopia medusa were noted along the Eastern shallow flats of the pond.

POND BOTTOM
The average depth of sedimentation is 35.5 cm. The pond bottom is generally coarse dark brown sand that is the result from run-off from soil erosion. Areas in the Northeast portion are rocky with dead coral rubble. Patches of benthic algae appear within the Southeastern edge of the pond.

REEF ADJOINING POND
The reef adjoining the pond is a flat bench reef formed of coral covered by coarse brown sand and coral rubble. Little living coral is present due to continued siltation from decades of soil erosion. Inshore has little vertical habitat for fish. The sand outside the pond wall is the same coarse brown sand found inside the pond.

DEPTH
Pond depth was measured at 0915 h and 1315 h at eight stations. Mean depth at 0915 h was 0.71 ($\pm$.04)
Mean depth at 1315 h was 1.31 ($\pm$.09)

(6) Identification and summary of major impacts and alternatives considered, if any:

No major impacts, as walls of pond will not be altered and no dredging of 3 acre parcel.

The impact of locating the project elsewhere is that the pond will remain in an unused state of disrepair. As evidenced by similar circumstances of other resources, the long range possibilities of continuing the status quo re:

-continued degeneration of the rock walls due to lack of maintenance.
-continued vegetative encroachment resulting in a loss in acreage of open water.

(7) Proposed mitigation measures, if any:

N/A

(8) Determination:

No negative impact will be made on pond wall or pond bottom.

(9) Findings and reasons supporting determination:

Due to low key activity associated with growing limu, and disrepair of existing pond walls, no major impacts will be made on existing fishpond.

(10) Agencies to be consulted in the preparation of the EIS, if applicable.

N/A

VI. SUMMARY OF PROPOSED USE (what is proposed)

Growing of manawea and eleele limu in fishpond.

INFORMATION REQUIRED FOR ALL USES

I. Description of Parcel *(See 3A)*

A. Existing structures/Use. (Attach description or map).

B. Existing utilities. (If available, indicate size and location on map. Include electricity, water, telephone, drainage, and sewarage).

C. Existing access. (Provide map showing roadways, trails, if any. Give street name. Indicate width, type of paving and ownership).

D. Vegetation. (Describe or provide map showing location and types of vegetation. Indicate if rare native plants are present).

E. Topography; if ocean area, give depths. (Submit contour maps for ocean areas and areas where slopes are 40% or more. Contour maps will also be required for uses involving tall structures, gravity flow and other special cases).

F. If shoreline area, describe shoreline. (Indicate if shoreline is sandy, muddy, rocky, etc. Indicate cliffs, reefs, or other features such as access to shoreline).

G. Existing covenants, easements, restrictions. (If State lands, indicate present encumbrances.)

H. Historic sites affected. (If applicable, attach map and descriptions).

II. Description: Describe the activity proposed, its purpose and all operations to be conducted. (Use additional sheets as necessary).

III. Commencement Date: *August 1990*

Completion Date: *On-going*

IV. TYPE OF USE REQUESTED (Mark where appropriate) (Please refer to Title 13, Chapter 2)

1. Permitted Use (exception occasional use);
DLNR Title 13, Chapter 2, Section _____; Subzone _____.

2. Accessory Use (accessory to a permitted use):
DLNR Title 13, Chapter 2, Section _____; Subzone _____.

3. Occasional Use: Subzone _____.

4. Temporary Variance: Subzone _____.

5. Conditional Use: Subzone *R*.

INFORMATION REQUIRED FOR ALL USES

I. Description of Parcel

A. Existing structures/Use. (Attach description or map).

Broken pond wall.

B. Existing utilities. (If available, indicate size and location on map. Include electricity, water, telephone, drainage, and sewerage).

N/A

C. Existing access. (Provide map showing roadways, trails, if any. Give street name. Indicate width, type of paving and ownership).

Foot path from our home. See Exhibit A1.

D. Vegetation. (Describe or provide map showing location and types of vegetation. Indicate if rare native plants are present).

Limu

E. Topography; if ocean area, give depths. (Submit contour maps for ocean areas and areas where slopes are 40% or more. Contour maps will also be required for uses involving tall structures, gravity flow and other special cases).

4' deep at high tide; 1' deep at low tide.

F. If shoreline area, describe shoreline. (Indicate if shoreline is sandy, muddy, rocky, etc. Indicate cliffs, or other features such as access to shoreline).

Sandy shoreline.

G. Existing covenants, easements, restrictions. (If State lands, indicate present encumbrances).

None

H. Historic sites affected. (If applicable, attach map and descriptions).

none

II. Description: Describe the activity proposed, its purpose and all operations to be conducted. (Use additional sheets as necessary).

Raising of limu and harvesting of limu.

Area of Proposed Use 3.3 acres
(Indicate in acres or sq. ft.)

Name & Distance of Nearest Town or Landmark
Kilohana Elementary School - ½ mile

Boundary Interpretation (If the area is within 40 feet of the boundary of the Conservation District, include map showing interpretation of the boundary by the State Land Use Commission).

Conservation District Subzone Resource
County General Plan Designation Conservation

V. FILING FEE

1. Enclose $50.00. All fees shall be in the form of cash, certified or cashier's check, and payable to the State of Hawaii.

2. If use is commercial, as defined, submit additional public hearing fee of $50.00.

INFORMATION REQUIRED FOR CONDITIONAL USE ONLY

I. Plans: (All plans should include north arrow and graphic scale).

A. Area Plan: Area plan should include but not be limited to relationship of proposed uses to existing and future uses in abutting parcels; identification of major existing facilities; names and addresses of adjacent property owners.

B. Site Plan: Site plan (maps) should include, but not be limited to, dimensions and shape of lot; metes and bounds, including easements and their use; existing features, including vegetation, water area, roads, and utilities.

C. Construction Plan: Construction plans should include, but not be limited to, existing and proposed changes in contours; all buildings and structures with indicated use and critical dimensions (including floor plans); open space and recreation areas; landscaping, including buffers; roadways, including widths; offstreet parking area; existing and proposed drainage; proposed utilities and other improvements; revegetation plans; drainage plans including erosion sedimentation controls; and grading, trenching, filling, dredging or soil disposal.

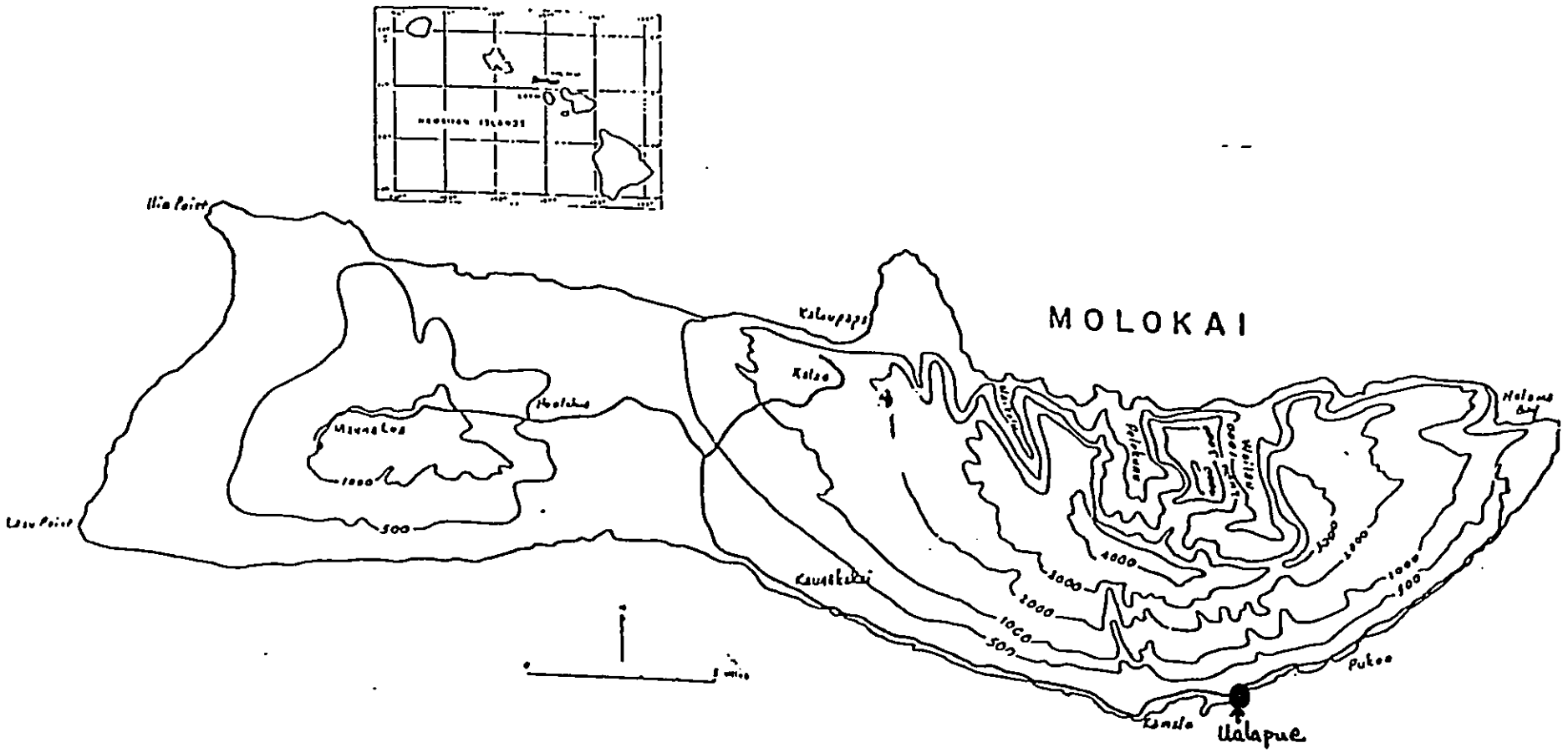
D. Maintenance Plans: For all uses involving power transmission, fuel lines, drainage systems, unmanned communication facilities and roadways not maintained by a public agency, plans for maintenance shall be included.

E. Management Plans: For any appropriate use of animal, plant, or mineral resources, management plans are required.

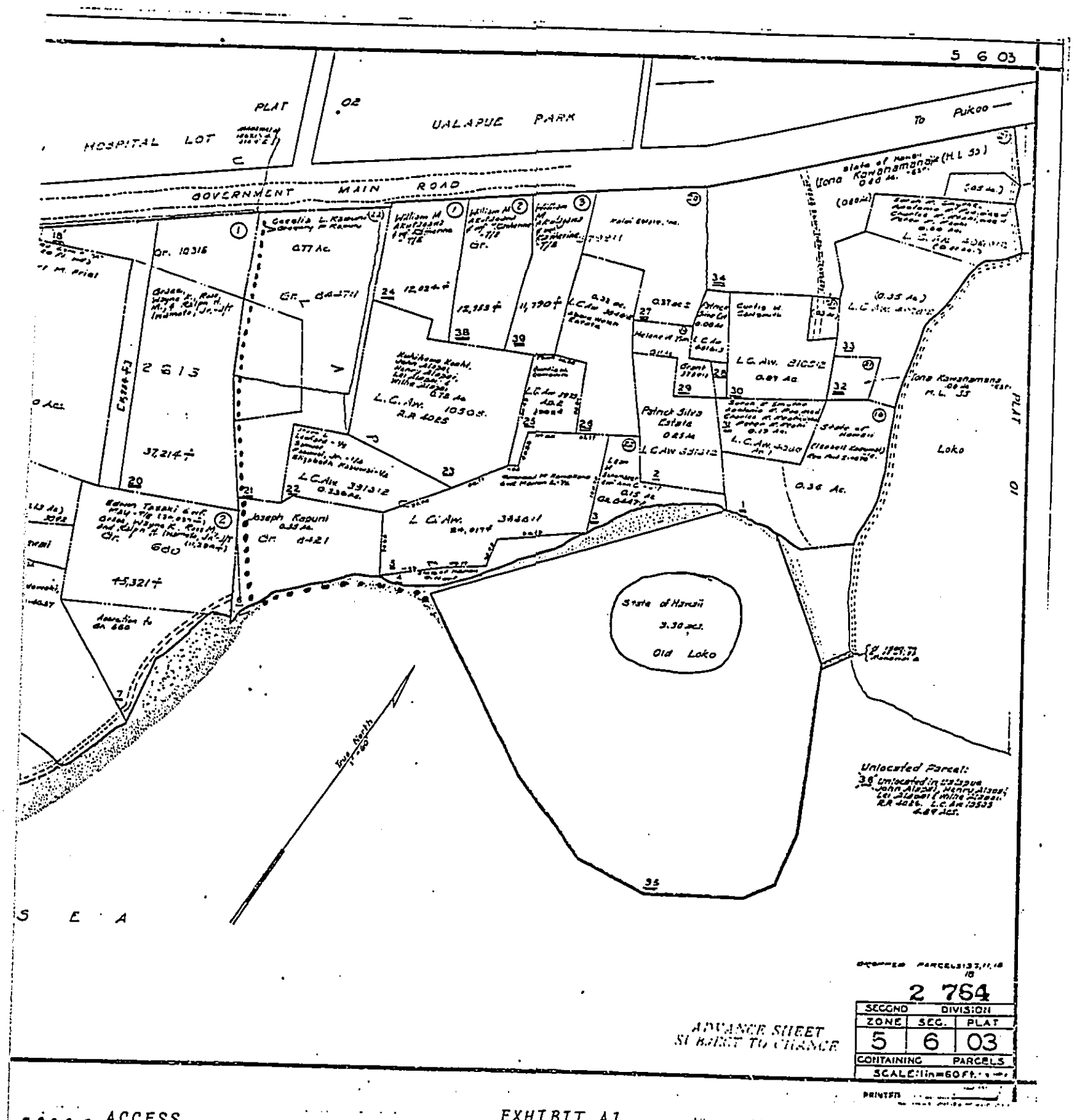
F. Historic or Archaeological Site Plan: Where there exists historic or archaeological sites on the State or Federal Register, a plan must be submitted including a survey of the site(s); significant features; protection, salvage, or restoration plans.

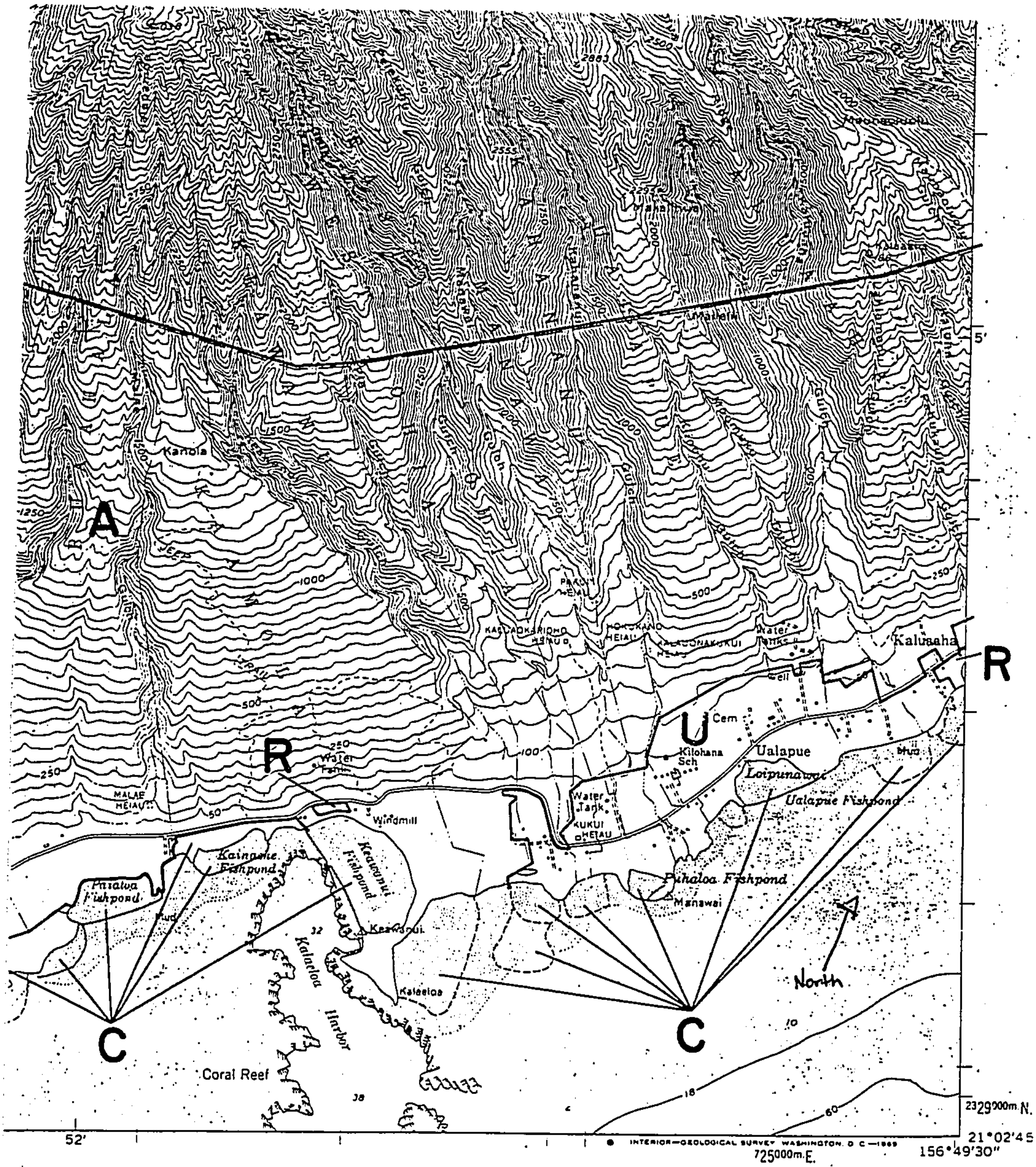
II. Subzone Objective: Demonstrate that the intended use is consistent with the objective of the subject Conservation District Subzone (as stated in Title 13, Chapter 2).

Exhibit A



● STATE OF HAWAII FISHPOND





Land Use Co...

EXHIBIT A2

ROAD CLASSIFICATION

Medium-duty ———— Light-duty ————

Unimproved dirt - - - - - - - -

State Route

MO 4

BACKGROUND

Ancient Hawaiian Fishponds are living cultural treasures. Unique in all the world, the ponds are a testimony to the work and ingenuity of the ancient Hawaiians. Fishponds expanded the food producing capabilities of the land through long-range planning and vision. An important feature to the resource development of the fishponds was the ability of the ancient Hawaiians to assess the special features and natural potential of a resource and develop it appropriately. Many fishponds were located in shallow reef flats that were optimal for the type of long range care and planning that the fishponds required. This is evidenced by the ponds (those that have not been tampered with) that have remained in a useable state for over an estimated 600 year period. The fishponds are a manifestation of malama, work that is regenerative and caring for the land, based on the communal efforts of the ohana or community. The ponds had special significance in the hearts and minds of the ancient Hawaiians as evidenced by the many legends and supernatural deities that were connected with the ponds. The larger ponds were not food resources for the community. Fishponds were symbols of power, authority, and wealth. They were the property of royalty or Alii and were tapped upon as they moved about from area to area. In this way the Alii did not deplete the food resources of the community.

With Western contact came a change of values. The short-term economic gains from the growing fisheries industries replaced the long-term efforts of growing fish. Shoreline development resulted in the filling in or destruction of many fishponds. Abolishment of the Hawaiian hierarchical system lead to the dissolution of the ohana system. Foreign diseases left a diminished Hawaiian population. Many inland fishponds were converted into rice paddies and eventually filled in for land development projects. These elements lead to the decline of the ancient Hawaiian fishpond as food producing resources. The works of the few ponds that continued to operate shifted to management by oriental immigrants. A few of these family style aquaculture business have continued to produce fish and are viable businesses.

Hawaii is again in a period of economic transformation. The existing fisheries of the Hawaiian islands no longer meets the needs of a growing population with ever increasing demand for fresh fish. In 1987, U.S. and foreign imports of seafood into Hawaii amounted to 7.8 million pounds with a wholesale value of $30 million. Hawaii has a sophisticated fish eating population that values fresh fish. Pond raised seafood commands higher prices than imports of the same species. Worldwide information exchange and technology development and transfer also factor into the changes that bear upon the potential resource development of these resources. We may now adopt the aquaculture technology applied to similar resources worldwide. With a blend of ancient and modern technology, the ponds are capable of producing beyond their limited extensive style production of the past.

The Hawaiian fishponds are valuable cultural treasurers, but they are also valuable economic resources. Conscious restoration and resource planning must be executed with a broad perspective to protect the physical and cultural integrity of these resources.

PROJECT PLAN

HALE MAHANA FISHPOND

Fishpond will be utilized for growing of limu ogo (See attachment A).

No work will be done on the walls or any part of the fishpond.

Limu will be planted and harvested with no improvements to walls or bottom.

Walls have been knocked over and is not visible at high tide.

Flat bottom boats travel in and out regularly over walls during high tide.

There will be no impact upon this site by this project.

LIMU GROWING IN MOLOKAI FISHPONDS

Response to questions raised by William Paty, Department of Land and Natural Resources, in a letter to Zelda Kapuni dated July 11, 1990.

1. Type of limus to be grown

   All will be edible native Hawaiian species. The three main types will be:

Gracilaria Gorapastoris (Gmelin) Silva	=	Long Ogo
Gracilaria Coronopifolia J. Agardh	=	Limu Manauea, short Ogo
Enteromorpha Species	=	Limu Ele'Ele

2. Culture Methods

   A. Starter cultures. Not needed for limu ele'ele which is already present in fishponds. Tank cultures of the two Gracilaria species will be maintained by Hui O Kuapa and will supply vegetative fragments and spore for outplanting in fishponds.

   B. Gracilaria in soft-bottomed fishponds will be grown on lines, seeded with either spores or vegetative fragments. The lines will be strung 6" off the bottom between 3' stakes driven 2'into the mud.

   C. Gracilaria in hard-bottomed fishponds will be grown on "sausages." These are poly-plastic tubes, 2" thick and 3' long, filled with sand. Vegetative fragments or spores are seeded onto the top and are arranged in rows on the pond bottom.

D. Enteromorpha grows naturally in many ponds at sites where freshwater springs bubble up through the mud. The natural stands will be enhanced by stringing lines on which the Enteromorpha strands can attach. The lines will be staked near the springs and seeded with small amounts of Enteromorpha.

E. The methods for Gracilaria are based in part on experiments conducted by the University of Hawaii and the Aquatic Resources Division of the Department of Land & Natural Resources, 1983-1985. In those experiments, Gracilaria was successfully outplanted onto the reef and fishponds of Molokai. See: Doty, M. S., J. R., Fisher, E. K. Zablackis, B. J. Cook, and I. A. Levine, 1986, Experiments with Gracilaria in Hawaii, Hawaii Botanical Science Paper No. 46, University of Hawaii, 486 pp.

3. Harvesting and Post-Harvest Operations

A. Gracilaria will be harvested in 4 - 6 month intervals by trimming the material on the lines and sausages. The harvesting will be by hand. Seaweed will be loaded into a small flat-bottomed boat and hauled to shore.

B. Gracilaria for food use will be cleaned by placing it in a plastic mesh basket and spraying with fresh water or seawater to wash away silt and debris. Gracilaria for sale as agar feedstock will be air-dried on shore then baled and stored off-site in a warehouse.

C. Enteromorpha will be harvested at 2-4 week intervals in small lots during the growing season, which is the winter rainy season when freshwater influx stimulates growth. It will be hand-harvested into buckets, taken to shore, and rinsed thoroughly in salt water to remove debris. It will be put up in small lots and refrigerated until used.

4. Area of Fishponds to be used

A. Gracilaria will be planted out in modules. A small module for home use is 10' X 10', i.e. stakes 10' apart with line between, and laid out in 5 rows 2' apart, or a similar arrangement of sausages. A larger module for market sales is 50' X 50' in area. The total area planted out in a fishpond depends on the production goal but no more than 10% - 20% of a pond would be planted. The ponds have variations in depth, bottom-type, and currents which make large areas of the pond less desirable for limu production. A one acre production area in a fishpond will be typical for market sales (15-20 modules).

B. Enteromorpha plantings will be small, typically 10' X 10' due to the more limited area of freshwater upwelling in the ponds which is necessary to produce high quality limu ele'ele. More than one planting may be located in a pond with more than one fresh water spring.

5. Environmental Effects

A. The larger plantings of Gracilaria will have a small positive effect on net primary production, though the production will largely be removed at harvest. Standing crops at harvest will be on the order of 7500 lbs. wet wt./acre (1200 lbs. dry wt.). The small plantings of Gracilaria or Enteromorpha will have negligible effect on primary productivity.

B. The plantings will stimulate secondary production (fish and other animal life) primarily by providing habitat within the plantings. Gracilaria and Enteromorpha are not heavily grazed by most fish species. Gracilaria is traditionally grown in pond culture with fish, which control epiphytes and fertilize the water for the seaweed but do not eat the Gracilaria.

C. The three species mentioned here are common seaweeds of the reef ecosystem in Hawaii. Locally high-density populations, exceeding the densities proposed for limu farms, occur naturally in favorable locations with few or no ill effects on the reef ecosystem as a whole. Hence, we anticipate few if any effects of the deliberate plantings on the fishpond or reef ecosystem. Natural populations have decreased on all islands including Molokai due to over-harvesting (see Doty et al, 1986, cited above, for a discussion of this aspect). Spores and vegetative fragments exiting from the fishponds during outgoing tides may be expected to enhance to the natural stock on the reef, though this must be verified.

D. The lines and stakes in the fishpond must be marked to keep people from tripping on them. The sausages which rest on the bottom are not a hazard and do not need to be marked. Lines, stakes and sausages are temporary features of the fishpond which are easily removed.

E. During planting and harvesting, people working in the ponds will resuspend some of the bottom silt which will exit with the outgoing tide. This was the traditional method for clearing the fishponds. The effect on the reef outside the pond should be minimal due to the dilution factor. Clearing the ponds and reef of silt is a desirable long term goal but the limu activities will only marginally contribute. On the other hand, the silt provides nutrients for the limu and the ponds in their present condition are exceptional sites for limu culture for that reason.

F. Secondary effects will include the need for vehicle access and a staging area on shore for sorting, cleaning, and drying the harvest.

G. No modifications to the fishpond walls are needed. except for the temporary stakes and lines, the fishponds will not be altered. It is not necessary to walk on the walls to tend the limu plantings.

6. Test Program and Environmental Monitoring

A. Technical assistance in planting limu is provided under a two year grant from the National Coastal Resources Institute, a federal agency charged with finding enviromentally compatible employment opportunities for USA coastal residents. Further assistance is provided by the Hui O Kuapa, which will operate culture tanks and a pilot farm, and by the Department of Business and Economic Development, Molokai Office.

B. As part of the above, small test plantings will be established in fishponds and monitored for growth, pest problems, harvest potential, costs and returns, and environmental effects.

C. Quarterly reports will be prepared and made avilable to the Department of Land & Natural Resources and other interested parties.

-Edward P. Glenn
30 August 1990

V. Environmental Requirements

Pursuant to Chapter 343, Hawaii Revised Statutes, and in accordance with Title 11; Chapter 200, Environmental Impact Statement Rules for applicant actions, an Environmental assessment of the proposed use must be attached. the Environmental assessment shall include, but not be limited to the following:

(1) Identification of applicant or proposing agency;

(2) Identification of approving agency, if applicable;

(3) Identification of agencies consulted in making assessment;

(4) General description of the action's technical, economic, social, and environmental characteristics;

(5) Summary description of the affected environment, including suitable and adequate location and site maps;

(6) Identification and summary of major impacts and alternatives considered, if any;

(7) Proposed mitigation measures, if any;

(8) Determination;

(9) Findings and reasons supporting determination; and

(10) Agencies to be consulted in the preparation of the EIS, if applicable.

VI. Summary of Proposed Use (what is proposed)

INFORMATION REQUIRED FOR ALL USES

I. Description of Parcel

A. Existing structures/Use. (Attach description or map).

B. Existing utilities. (If available, indicate size and location on map. Include electricity, water, telephone, drainage, and sewarage).

C. Existing access. (Provide map showing roadways, trails, if any. Give street name. Indicate width, type of paving and ownership).

D. Vegetation. (Describe or provide map showing location and types of vegetation. Indicate if rare native plants are present).

E. Topography; if ocean area, give depths. (Submit contour maps for ocean areas and areas where slopes are 40% or more. Contour maps will also be required for uses involving tall structures, gravity flow and other special cases).

F. If shoreline area, describe shoreline. (Indicate if shoreline is sandy, muddy, rocky, etc. Indicate cliffs, reefs, or other features such as access to shoreline).

G. Existing covenants, easements, restrictions. (If State lands, indicate present encumbrances.)

H. Historic sites affected. (If applicable, attach map and descriptions).

II. Description: Describe the activity proposed, its purpose and all operations to be conducted. (Use additional sheets as necessary).

III. Commencement Date: November 1, 1990

Completion Date: May 1, 1991

IV. TYPE OF USE REQUESTED (Mark where appropriate) (Please refer to Title 13, Chapter 2)

1. Permitted Use (exception occasional use);
DLNR Title 13, Chapter 2, Section _____; Subzone _____.

2. Accessory Use (accessory to a permitted use):
DLNR Title 13, Chapter 2, Section _____; Subzone _____.

3. Occasional Use: Subzone X.

4. Temporary Variance: Subzone _____.

5. Conditional Use: Subzone _____.

Area of Proposed Use 14,638 sq. ft.
(Indicate in acres or sq. ft.)

Name & Distance of Nearest Town or Landmark
Kaunakakai, Molokai, Hawaii

Boundary Interpretation (If the area is within 40 feet of the boundary of the Conservation District, include map showing interpretation of the boundary by the State Land Use Commission).

Conservation District Subzone X
County General Plan Designation _____

V. FILING FEE

1. Enclose $50.00. All fees shall be in the form of cash, certified or cashier's check, and payable to the State of Hawaii.

2. If use is commercial, as defined, submit additional public hearing fee of $50.00.

INFORMATION REQUIRED FOR CONDITIONAL USE ONLY

I. Plans: (All plans should include north arrow and graphic scale).

A. Area Plan: Area plan should include but not be limited to relationship of proposed uses to existing and future uses in abutting parcels; identification of major existing facilities; names and addresses of adjacent property owners.

B. Site Plan: Site plan (maps) should include, but not be limited to, dimensions and shape of lot; metes and bounds, including easements and their use; existing features, including vegetation, water area, roads, and utilities.

C. Construction Plan: Construction plans should include, but not be limited to, existing and proposed changes in contours; all buildings and structures with indicated use and critical dimensions (including floor plans); open space and recreation areas; landscaping, including buffers; roadways, including widths; offstreet parking area; existing and proposed drainage; proposed utilities and other improvements; revegetation plans; drainage plans including erosion sedimentation controls; and grading, trenching, filling, dredging or soil disposal.

D. Maintenance Plans: For all uses involving power transmission, fuel lines, drainage systems, unmanned communication facilities and roadways not maintained by a public agency, plans for maintenance shall be included.

E. Management Plans: For any appropriate use of animal, plant, or mineral resources, management plans are required.

F. Historic or Archaeological Site Plan: Where there exists historic or archaeological sites on the State or Federal Register, a plan must be submitted including a survey of the site(s); significant features; protection, salvage, or restoration plans.

II. Subzone Objective: Demonstrate that the intended use is consistent with the objective of the subject Conservation District Subzone (as stated in Title 13, Chapter 2).

ENVIRONMENT REQUIREMENTS

Please note the following environmental assessment of the proposed use:

1. **Identification of Applicant:** Land owner, Mitsuo Shito, Genevieve Ilima Shito, George Irwing Leong, Eugenie H. L. Shito Leong.

2. **Identification of Approving Agency:** Department of Land and Natural Resources.

3. **Identification of Agencies Consulted in making Assessment:** Land Use Commission (Fred Tulon) County Planning, Department of Maui.

4. **General Description of the Action's Technical, Economic, Social, and Environmental Characteristics:**

Technical: Install 6 ft. high chain link fence with two 10 ft. gate. See Exhibit "A" for description of metes and bounds. Setting of hollow tile and wood work for storage shed 12 ft. width x 24 ft. length. ~~(See Exhibit "A-1")~~ Septic tank will be installed to conform to Department of Health standards.

Economic: Approximate cost of grading $1,200.00. Approximate cost of storage shed $4,000.00 and additional cost of septic tank when required to be installed. Today's cost is $3,500 - 4,200.00, plus any chain link fence of $7,960.00. A future single family structure might be constructed in the future (four to six years). Cost estimate of a cedar house in the approximate price range of $55,500 plus any additional costs of materials and labor which are unforeseen at this time. (See attached price schedule.) (See Exhibits "A-2" & "A-3")

Social: This is an undeveloped area where only one ranch-type home and storage shed exists at the adjacent property. Mauka area is fenced with barbed wire for the purpose of the ranch and pasture land. (See Exhibits "B" & "B-1")

Environmental: The proposed storage shed will be built to blend in with the environment. The appearance (see Construction Plans, Exhibit "C") and color of light gray walls with aluminum sheet roofing will be blended as much as possible with the natural surroundings. The landscape will be left

intact as much as possible as long as it does not interfere with the driveway, construction of the storage shed and septic tank with leaching field. Applicant will plant ground cover which does not exist at present and will plant 8 - 12 coconut trees, plus fruit trees, kukui nut trees, and a small garden area for their own use.

5. **Summary Description of Affected Environment:** Minor grading and filling if necessary for the construction of storage shed, plus removal of trees for fence line installation. (See Plot Plan Exhibit "D")

6. **Identification and Summary of Major Impacts and Alternatives Considered:** Short-term construction activity for storage shed and fencing and long-term minimal environmental impact.

7. **Proposed Mitigation Measures:** Current vegetation are old dried up Keawe trees which create a fire hazard which will be removed and be replaced with other trees that will blend with the good keawe trees. Mangrove trees have overtaken the beach area and may need to be trimmed back to prevent it from spreading uncontrolled to the extent it will not have an erosion effect. (See Exhibits "E" and "E-1") Dust by landscaping will be very minimal or nonexistent during the construction phase and will end upon completion of the storage shed.

INFORMATION REQUIRED FOR ALL USES

I. Description of Parcel

A. **Existing Structures/Use.** There is no existing structure on this lot at this time. (See Exhibit "A")

B. **Existing Utilities.** Water is available by way of hooking up with the County Water System. Application for water meter will be requested to the County of Maui Board of Water Supply as soon as this application is approved. Road and utility easement (See Exhibit "F".)

C. **Existing Access.** Exhibit "F-1" is the relevant portion of the tax map showing the subject property bounded in yellow. The access road is of cinder gravel and a portion is dirt.

D. **Vegetation.** Currently there are dried up keawe trees, uprooted keawe trees, some weeds and mangrove trees. (See Exhibits "B", "B-1", "E", and "E-1")

E. **Topography.** Exhibit "G" is a contour map of the general area. The elevation is fairly flat, just about

3 - 4 ft. above sea level with drainage towards the ocean.

F. **Description of Shoreline.** The shoreline is taken over with mangrove trees. The shoreline is mud/sand, blackish in nature. This is caused by the mangrove preventing circulation of the wave action of the ocean surrounding the area. (See Exhibit "E-1")

G. **Existing Covenant, Easements, Restriction.** Subject to title to all minerals and metallic mines reserved to the State of Hawaii. Exhibit "H" is the legal description to the property as conveyed in the quit claim deed.

H. **Historic Sites Affected.** There are no historic sites near subject property. The old fish pond is about one mile away east on ocean side.

II. **DESCRIPTION:** Describe the Activity Proposed.

Construction of a storage shed 12 feet in width and 24 feet in length with wooden floor elevated on 8 inch cement blocks. The construction will require:

1) Leveling and filling a small area where the storage shed will be built, also requiring removing of dried up keawe trees which are a fire hazard and keawe trees that are uprooted and require removal for the construction of the shed and the driveway that will be filled with crushed red cinders and compacted.

2) Erection of 6 ft. high chain link fence as shown in Exhibit "A" will require removal of old dried up keawe trees as well as trimming back trees to install the fence line.

III. **COMMENCEMENT DATE:** Upon approval of application.

COMPLETION DATE: Six months for storage shed after commencement date.

IV. **TYPE OF USE REQUESTED:**

Nonconforming Use: Subzone L

Area of Proposed Use: Land 14,638 sq. ft. Storage Shed: 288 sq. ft. Future proposed house: 4 - 6 years, of 1,400 sq. ft.

Name and Distance of Nearest Town or Landmark: Kamalo Old Abandoned Wharf and Old Abandoned Fish Pond. (See Exhibit "J")

Boundary Interpretation: Within the conservation district as indicated by a straight line on attached map designating area. (See Exhibit "I".)

Conservation District Subzone: L

County General Plan Designation: N/A

INFORMATION REQUIRED FOR CONDITIONAL USE ONLY

I. Plans:

A. Area Plan: See Exhibits "A" and "C".

B. Site Plan: See Exhibit "D".

C. Construction Plan: See Exhibit "D". Applicants are planning to revegetate by planting 6 plumeria trees, 7 kukui nut trees, 6 - 12 coconut trees of which 2 are Samoan type coconut trees, 2 Hayden mango trees, 1 Olu tree, 4 Solo papaya trees, 2 lime trees, green ti leaves, lawn with flowers and vegetable garden containing root, leaf and vine crops for home consumption. Location at this time has not been plotted.

D. Maintenance Plans: N/A

E. Management Plans: N/A

F. Historic or Archaeological Site Plan: N/A

II. Subzone Objective: The objective of Subzone L is to limit uses where natural conditions suggest constraints on human activities. The proposed land use, construction of a storage shed and future development of a single family dwelling is a nonconforming use; however, the four necessary conditions for eligibility as nonconforming use application under Subchapter 1, Title 13, Chapter 2, of the Departmental Administrative Rules, as amended, have been satisfied.

1. The subject land parcel is less than ten (10) acres;

2. The subject land parcel (TMK 5-06-010-26) was created and subject to real property taxes as early as the 1940s and has all real property taxes paid up to the current year of 1990.

3. The land parcel has been held and intended for residential and farm use; and

4. Only one storage shed and a future residential dwelling plus fencing is proposed to be put on the subject land parcel.

(9)

1990-11-08-MO-FEA

Shito - Development of Storage Shed, Fencing, Driveway and other Property Imp.

SHITO

~~Improvement~~ Application Form

TMK 5-06-10-24

Exhibit
A

EXHIBIT A

LOT B

Being the Whole of Royal Patent 3806
Land Commission Award 148-B, Apanas 1 and 2 to Kapalu
At Kumueli, Molokai, Maui, Hawaii

Beginning at a pipe on the Southwest corner of this parcel of land, the coordinates of which referred to Government Survey Triangulation Station "PUU PAPAI" being 5047.71 feet South and 8841.93 feet East and running by azimuths measured clockwise from True South:

1.	168° 43'	190.66 feet	along Royal Patent 3018, Land Commission Award 151-B, Apana 1 to Kanewanui, to a pipe;
2.	166° 20'	39.60 feet	along Royal Patent 3018, Land Commission Award 151-B, Apana 1 to Kanewanui, to a pipe;
3.	260° 50'	36.96 feet	along remainder of Royal Patent 8184, Land Commission Award 11,216, Apana 13 to Kekauonohi, to a pipe (found);
4.	344° 05'	63.36 feet	along remainder of Royal Patent 8184, Land Commission Award 11,216, Apana 13 to Kekauonohi, to a pipe (found);
5.	250° 20'	25.41 feet	along remainder of Royal Patent 8184, Land Commission Award 11,216, Apana 13 to Kekauonohi, to a pipe (found);
6.	346° 55'	205.36 feet	along remainder of Royal Patent 2991, Land Commission Award 3919, to Nakahuna, and remainder of Royal Patent 8184, Land Commission Award 11,216, Apana 13 to Kekauonohi, to a pipe;

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[illegible] STREET • SUITE 400 HONOLULU, HAWAII 96813

7.	82° 50'	29.70 feet	along remainder of Royal Patent 8184, Land Commission Award 11,216, Apana 13 to Kekauonohi, to a pipe;
8.	164° 05'	65.34 feet	along remainder of Royal Patent 8184, Land Commission Award 11,216, Apana 13 to Kekauonohi, to a pipe;
9.	71° 05'	12.54 feet	along remainder of Royal Patent 8184, Land Commission Award 11,216, Apana 13 to Kekauonohi, to a pipe;
10.	336° 53' 30"	37.33 feet	along remainder of Royal Patent 8184, Land Commission Award 11,216, Apana 13 to Kekauonohi, to a pipe;
11.	90° 35'	33.02 feet	along remainder of Royal Patent 8184, Land Commission Award 11,216, Apana 13 to Kekauonohi, to a pipe, to the point of beginning and containing an area of 14,638 Square Feet.

RONALD CASUGA
REGISTERED PROFESSIONAL LAND SURVEYOR
No. 4332
HAWAII, U.S.A.

COMMUNITY PLANNING, INC.

By Ronald Casuga
Ronald Casuga
Registered Professional Surveyor
Certificate Number 4332

745 Fort Street
Honolulu, Hawaii
May 22, 1990

COMMUNITY PLANNING, INC.
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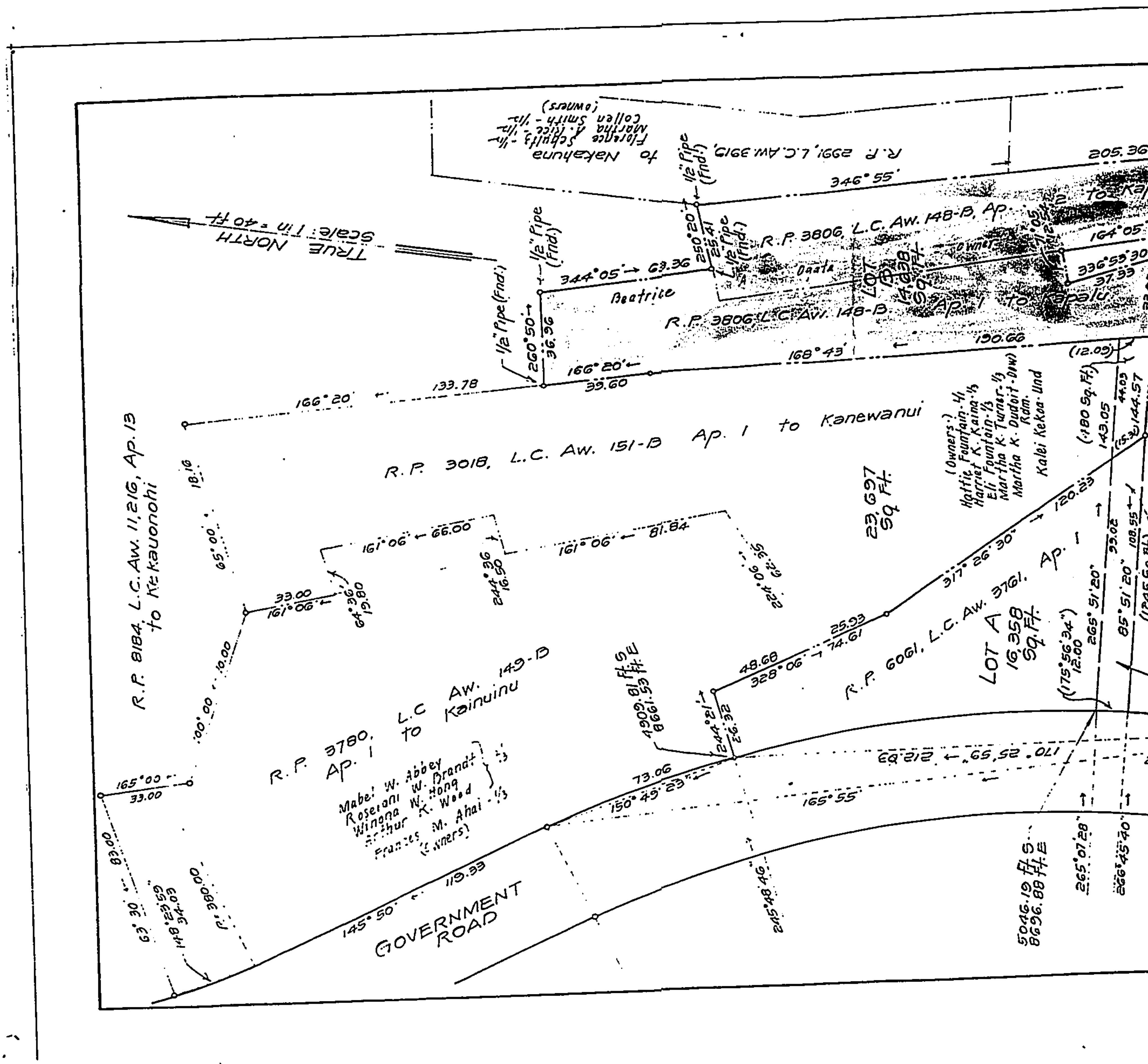
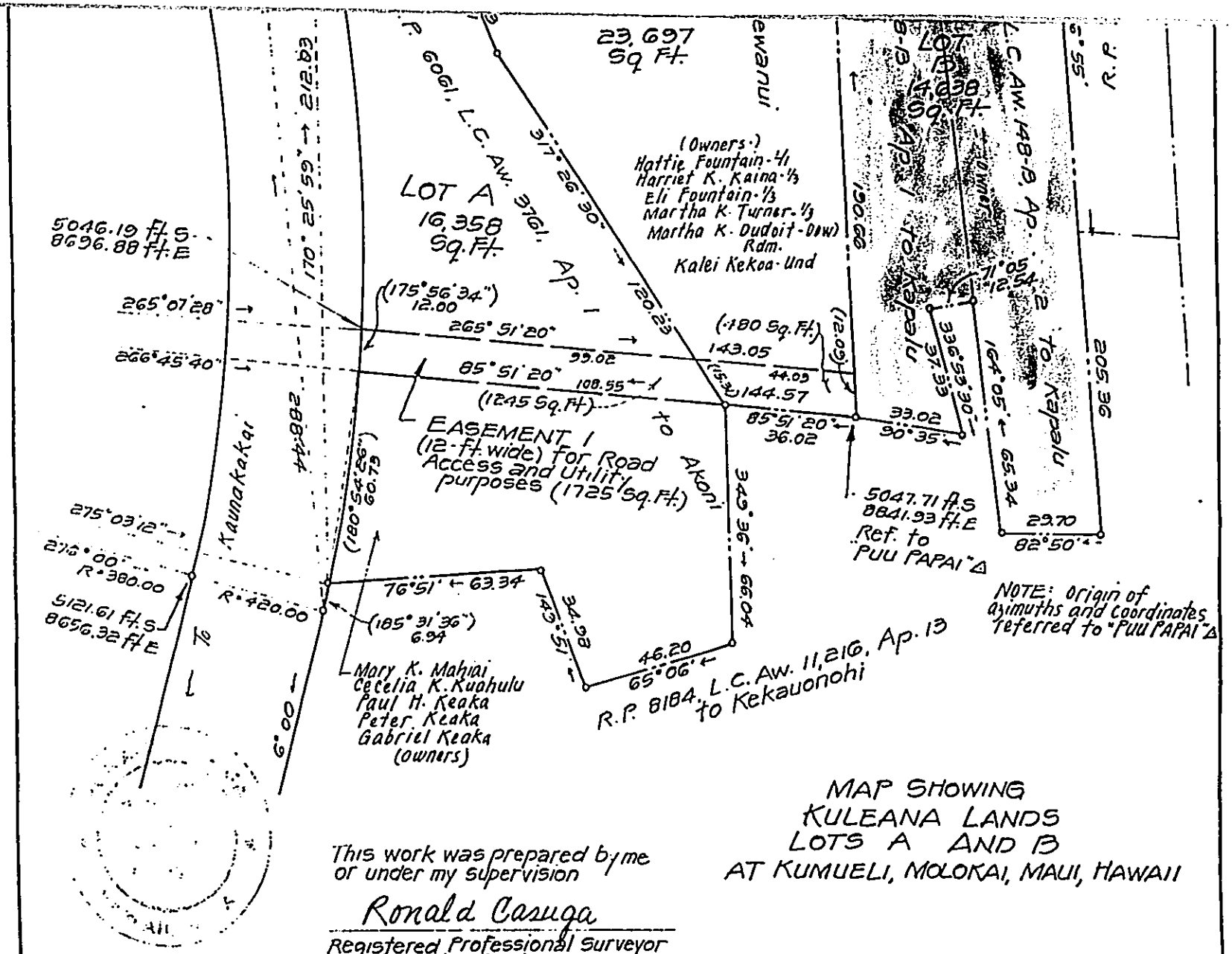
745 FORT STREET • SUITE 400 HONOLULU, HAWAII 96813



TRUE NORTH
Scale: 1 in. = 40 ft.
R.P. 2591, L.C. Aw. 3913, to Nakahuna
Florence Schultz - 1/4
Martha A. Rice - 1/4
Collen Smith - 1/4
(owners)
R.P. 3806, L.C. Aw. 148-B, Ap. 2 to Kai
R.P. 3806 L.C. Aw. 148-B Ap. 1 to Papalu
Beatrice
Oaata
LOT B
14,038 Sq. Ft.
1/2" Pipe (Fnd.)
R.P. 3018, L.C. Aw. 151-B Ap. 1 to Kanewanui
23,697 Sq. Ft.
(Owners:)
Hattie Fountain - 1/4
Harriet K. Kaina - 1/3
Eli Fountain - 1/3
Martha K. Turner - 1/3
Martha K. Dudoit - Dow
Kalei Kekoa - Und
R.P. 8184, L.C. Aw. 11,216, Ap. 13 to Kaauonohi
R.P. 3780, L.C. Aw. 149-B Ap. 1 to Kainuinu
Mabel W. Abbey
Roserani W. Brandt
Winona W. Hong
Arthur K. Wood
Frances M. Ahai - 1/3
(Owners)
R.P. 6061, L.C. Aw. 3761, Ap. 1
LOT A
16,358 Sq. Ft.
GOVERNMENT ROAD
4909.81 ft. S
8661.53 ft. E
5046.19 ft. S
8696.88 ft. E
346° 55'
205.36
250° 20'
25.41
344° 05' → 63.36
164° 05'
336° 53' 30"
37.33
260° 50' →
36.36
166° 20' ←
39.60
168° 43'
130.66
(12.09)
166° 20'
133.78
18.16
65° 00'
161° 06' ← 66.00
161° 06' ← 81.84
244° 36
16.50
244° 06
22.35
64° 36
19.80
33.00
161° 06' ←
10.00
00.00
317° 26' 30" → 120.23
25.93
14.61
48.68
328° 06'
244° 21'
26.32
(180 Sq. Ft.)
143.05
144.57
44.03
265° 51' 20"
85° 51' 20"
93.02
108.55
(175° 56' 34")
12.00
170° 25' 59" → 212.63
165° 00'
33.00
83.00
63° 30'
149° 23' 59"
34.03
r = 380.00
73.06
150° 49' 23"
165° 55'
145° 50' ← 119.33
245° 48' 46"
265° 07' 28"
266° 45' 40"



MAP SHOWING
KULEANA LANDS
LOTS A AND B
AT KUMUELI, MOLOKAI, MAUI, HAWAII

This work was prepared by me
or under my supervision

Ronald Casuga

Registered Professional Surveyor
Certificate Number 4332

Tax Map Key: 5-6-10: 24, 25 & 26
May 11, 1990

COMMUNITY PLANNING, INC.
745 FORT STREET, SUITE 400
HONOLULU, OAHU, HAWAII

15" x 21" = 2.2 Sq. Ft.

EXHIBIT A

Exhibit
A-2

HAWAII PRICE LIST

JANUARY 1990

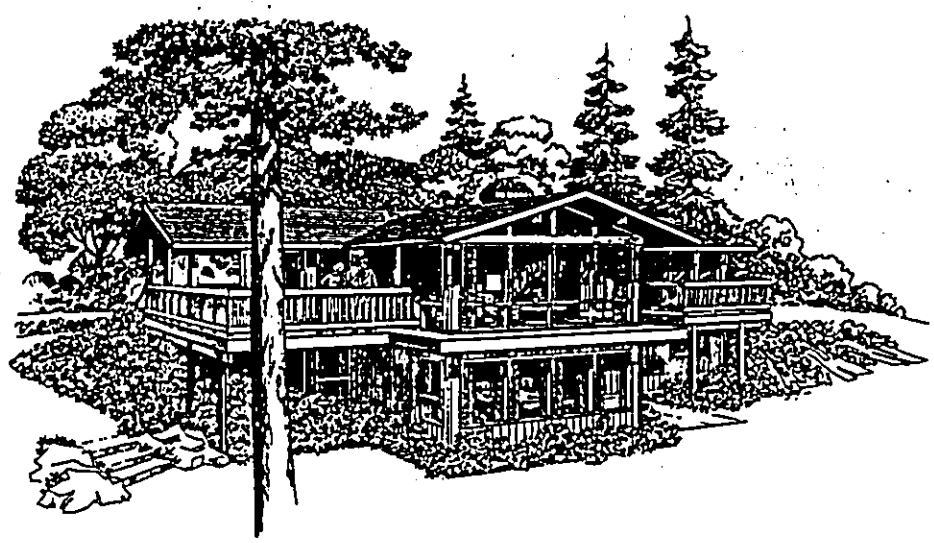
SERIES	MODEL NUMBER	TOTAL SQUARE FEET	FRAMEMARK 2"x4" WITH 1" CEDAR	CEDARMARK 3" SOLID CEDAR	PANELMARK 2"x4" WITH 1" CEDAR	OPTIONAL DECKS
San Juan	950	949	$28,692	$32,550	$30,045	$2,963
	1200A	1190	33,894	38,454	35,493	3,133
	1200B*	2392	44,403	48,209	46,497	3,005
	1400A	1394	40,170	45,572	42,065	2,035
	1400B*	2812	51,275	55,670	53,694	2,088
	1400C*	2812	50,369	54,797	52,745	5,683
	1500	1505	40,621	46,086	42,537	2,497
	1690	1690	46,321	52,550	48,506	3,450
	1800	1805	46,662	52,939	48,863	3,313
	2000	2022	51,809	58,778	54,253	4,071
Sunriver	1400*	2674	49,917	54,195	52,272	2,348
	1520	1952	58,494	63,508	61,253	2,752
Bainbridge	780	1285	34,338	37,280	35,958	1,859
	960	1532	40,861	44,363	42,788	2,745
	1150	1672	44,338	48,138	46,430	2,332
	1300	2075	51,150	55,534	53,563	2,193
Kona	1400	1412	45,446	51,558	47,590	3,168
	1680	1684	51,726	58,684	54,166	4,284
	1800	1802	54,222	61,514	56,779	4,529
Camano	1530*	2840	51,400	55,805	53,824	2,626
	1930*	3229	65,210	70,798	68,286	2,003
	2050	2052	50,681	57,498	53,071	3,149
	2250	2250	60,107	68,190	62,942	1,241
Envoy	1170	1167	31,441	35,671	32,924	1,315
	1460A	1460	36,978	41,952	38,723	2,149
	1460B	1462	38,069	43,190	39,865	1,152
	1540	1536	40,029	45,413	41,917	2,183
	1720	1720	43,076	48,869	45,108	2,982
Mt. McKinley	720A	1120	29,291	31,801	30,672	1,107
	720B	1132	29,465	31,990	30,855	1,219
	910	1560	36,624	39,763	38,352	1,285
	1040	1807	40,455	43,921	42,363	2,270
	1600B*	2725	59,956	65,094	62,784	3,277
Chelan	1120	1830	43,464	49,324	45,514	1,380
	1220	2048	43,414	49,253	45,462	1,823
Tahoe	1400	1489	39,871	43,787	41,751	1,463
	1730	1733	43,190	48,422	45,228	2,266
Amboy Gambrel	560	822	25,103	27,254	26,287	1,822
	780	1378	32,528	35,317	34,062	1,302
	940	1664	38,004	41,261	39,796	2,112
	1090	1950	43,653	47,395	45,712	1,777
Whidbey	1160	1156	33,063	37,510	34,623	1,107
	1350	1345	37,456	42,494	39,223	1,819
	1440A	1440	38,527	43,709	40,344	2,070
	1440B	1440	35,866	40,689	37,557	1,433
Maui	1160A	1156	33,073	37,522	34,633	2,610
	1160B	1156	37,118	42,111	38,869	5,291
	1300	1292	37,778	42,859	39,560	1,908
	1440	1440	41,048	46,569	42,984	2,209
Hexagon	1040	1040	30,880	35,033	32,336	3,694
	1260*	2514	47,244	51,293	49,472	3,973
Rancho	1260	1260	36,433	41,333	38,151	1,938
	1750	1750	45,701	51,848	47,857	1,669
	2200	2142	49,391	56,035	51,721	1,680

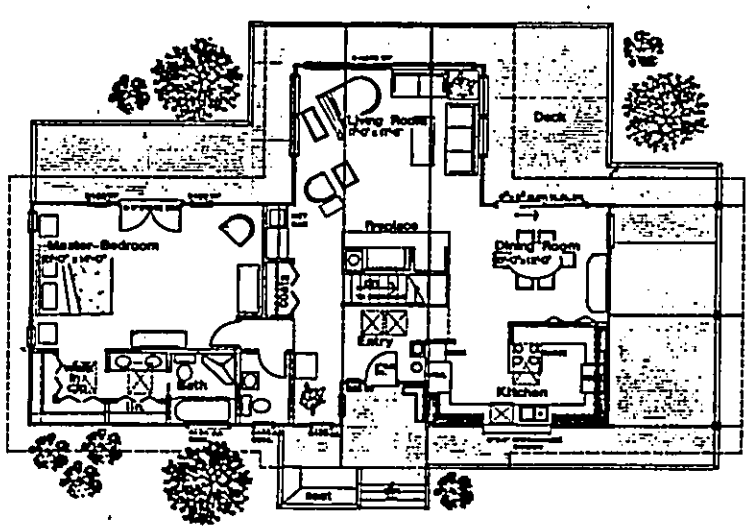
*Lower Level Package Included

EXHIBIT A-2

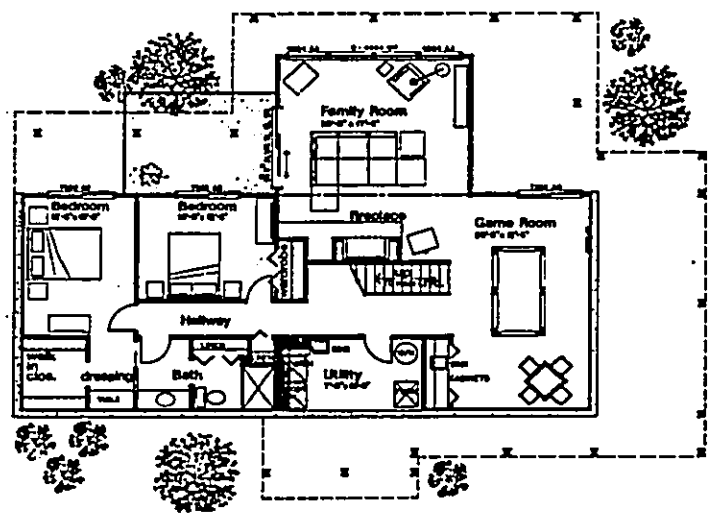
Exhibit
A-3

CEDARMARK HOMES





Main Floor Plan



Lower Floor Plan

SAN JUAN 1400C

EXHIBIT A-3

3 Bedroom/2½ Bath

CedarMark Home Corporation 2281 116th Avenue N.E. Suite #9, P.O. Box 4109 Bellevue, WA 98009 (206) 454-3966
Building Quality Cedar Homes Since 1955

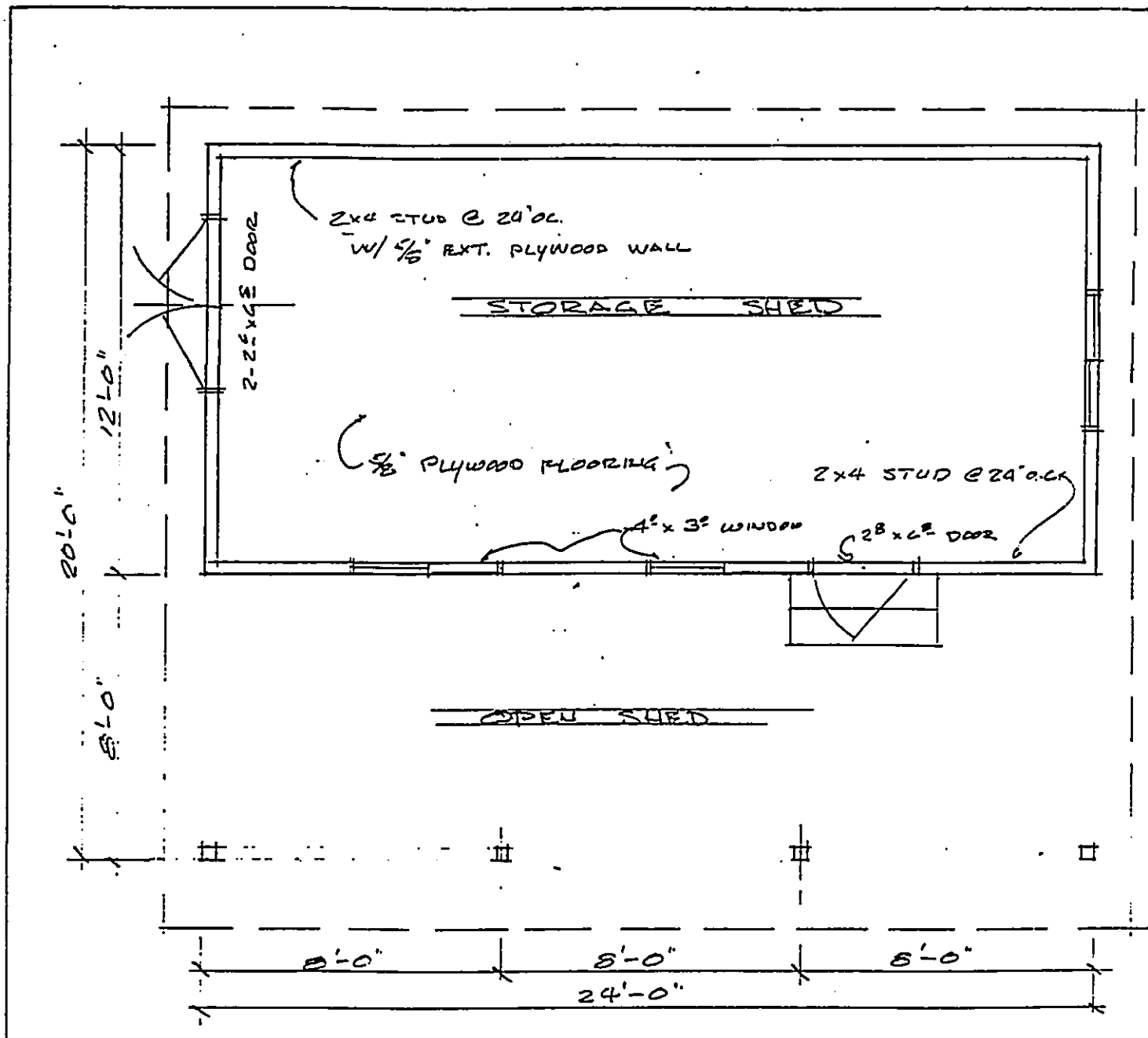
Exhibit
B

EXHIBIT 4

Exhibit
B-1

EXHIBIT B-1

Exhibit C



FLOOR PLAN

SCALE 1/4" = 1'-0"

STORAGE SHED

FOR MR + MRS MITSUO SHITO

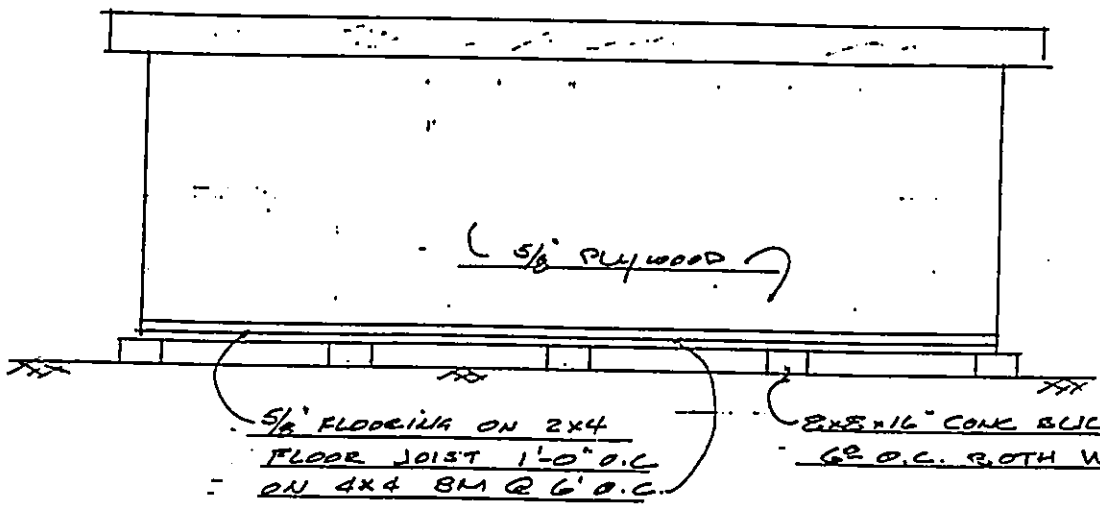
KUMUELI MOLOKAI HAWAII

TMK - 5-6-~~05~~ - LOT A

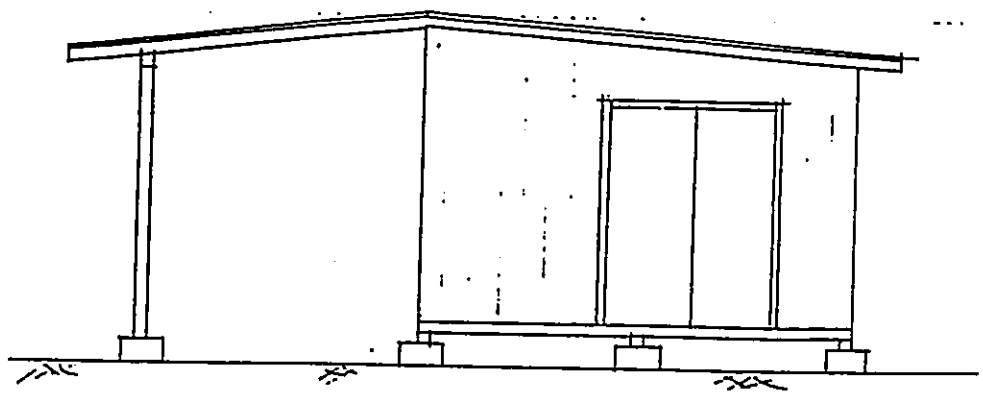
10-24

EXHIBIT C

FRONT VIEW
SCALE 3/16" = 1'-0"



REAR VIEW
SCALE 1'-0"



RIGHT VIEW (REVERSED)
SCALE 3/16" = 1'-0"

EXHIBIT C

Exhibit
D

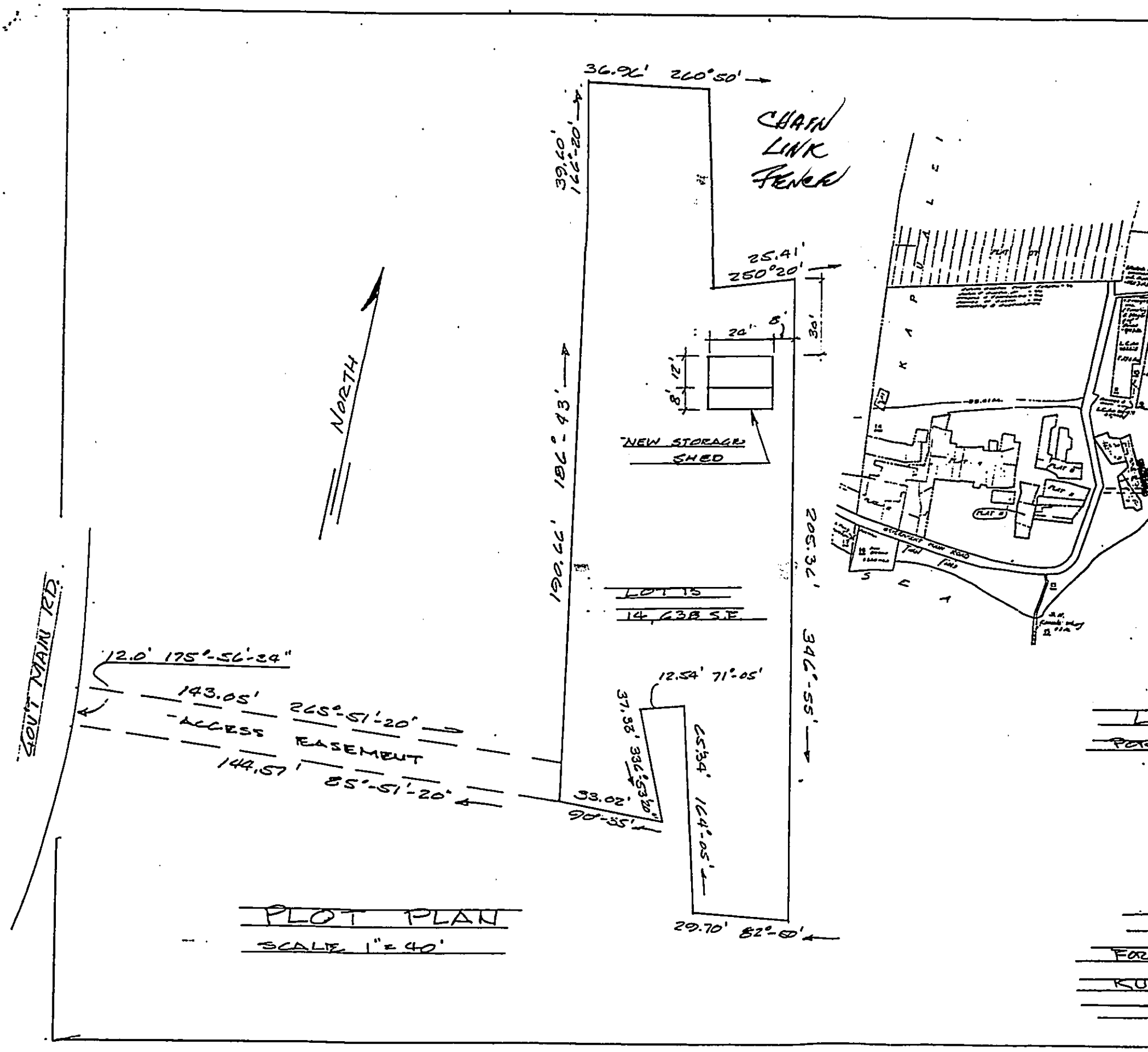
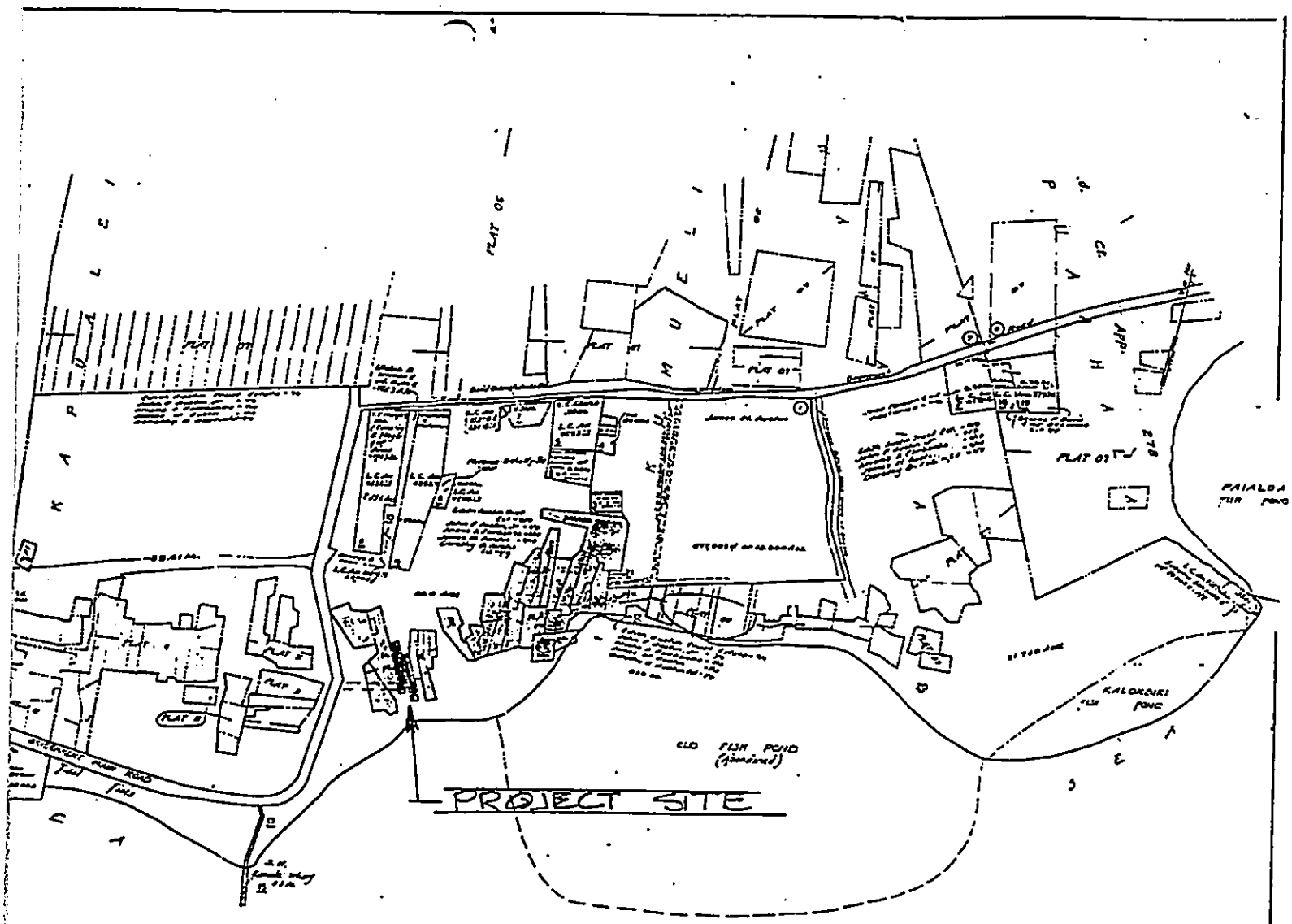

36.9X' 260°50'
CHAIN LINK FENCE
39.40' 166°-20'
25.41' 250°20'
20'
8'
30'
8' 12'
NEW STORAGE SHED
190.77' 186°-43'
205.37' 347'-55"
LOT 15
14,638 S.F.
NORTH
SOUTH MAIN RD.
12.0' 175°-56'-24"
143.05' 265°-51'-20"
ACCESS EASEMENT
144.57' 85°-51'-20"
12.54' 71°-05'
37.38' 337°-53'-40"
33.02' 90°-55'
65.34' 164°-05'
29.70' 82°-00'
PLOT PLAN
SCALE 1"=40'

EXHIBIT A



LOCATION MAP

PORTION OF TMK 5-6-08

STORAGE SHED

FOR MR. & MRS. MITSUO SHITO

KUMUELI, MOLOKAI, HAWAII

TMK - 5-6-~~05~~ - LOT A

10 - 24

Exhibit
E

Exhibit
E-1

Exhibit F

EASEMENT 1 (12 FEET WIDE)

FOR ROAD ACCESS AND UTILITY PURPOSES

Being a Portion of Royal Patent 6061,
Land Commission Award 3761, Apana 1 to Akoni, and
Royal Patent 3018, Land Commission Award 151-B,
Apana 1 to Kanewanui
At Kumueli, Molokai, Maui, Hawaii

Beginning at the Northwest corner of this parcel of land, on the East side of Government Road, the coordinates of which referred to Government Survey Triangulation Station "PUU PAPAI" being 5046.19 feet South and 8696.88 feet East and running by azimuths measured clockwise from True South:

1.	265° 51' 20"	143.05 feet	along remainders of Royal Patent 6061, Land Commission Award 3761, Apana 1 to Akoni, and Royal Patent 3018, Land Commission Award 151-B, Apana 1 to Kanewanui;
2.	348° 43'	12.09 feet	along Royal Patent 3806, Land Commission Award 148-B, Apana 1 to Kapalu;
3.	85° 51' 20"	144.57 feet	along remainders of Royal Patent 8184, Land Commission Award 11,216, Apana 13 to Kekauonohi, and Royal Patent 6061, Land Commission Award 3761, Apana 1 to Akoni;

COMMUNITY PLANNING, INC.
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745 FORT STREET • SUITE 400 HONOLULU, HAWAII 96813

EXHIBIT E

4. Thence along the East side of Government Road, on a curve to the left with a radius of 420.00 feet, the chord azimuth and distance being: 175° 56' 34" 12.00 feet to the point of beginning and containing an area of 1,725 Square Feet.

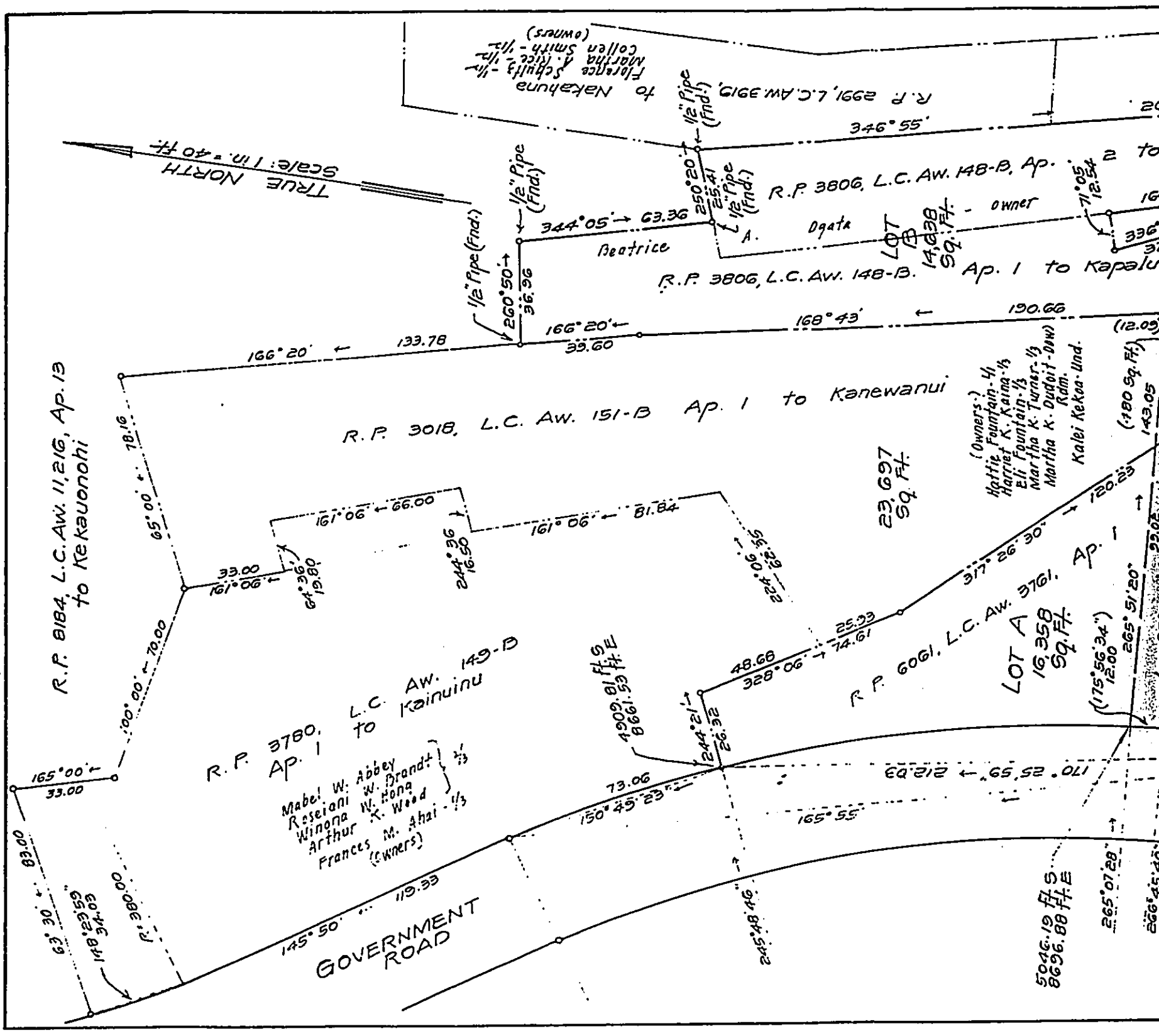
RONALD CASUGA
REGISTERED PROFESSIONAL LAND SURVEYOR
No. 4332
HAWAII, U.S.A.

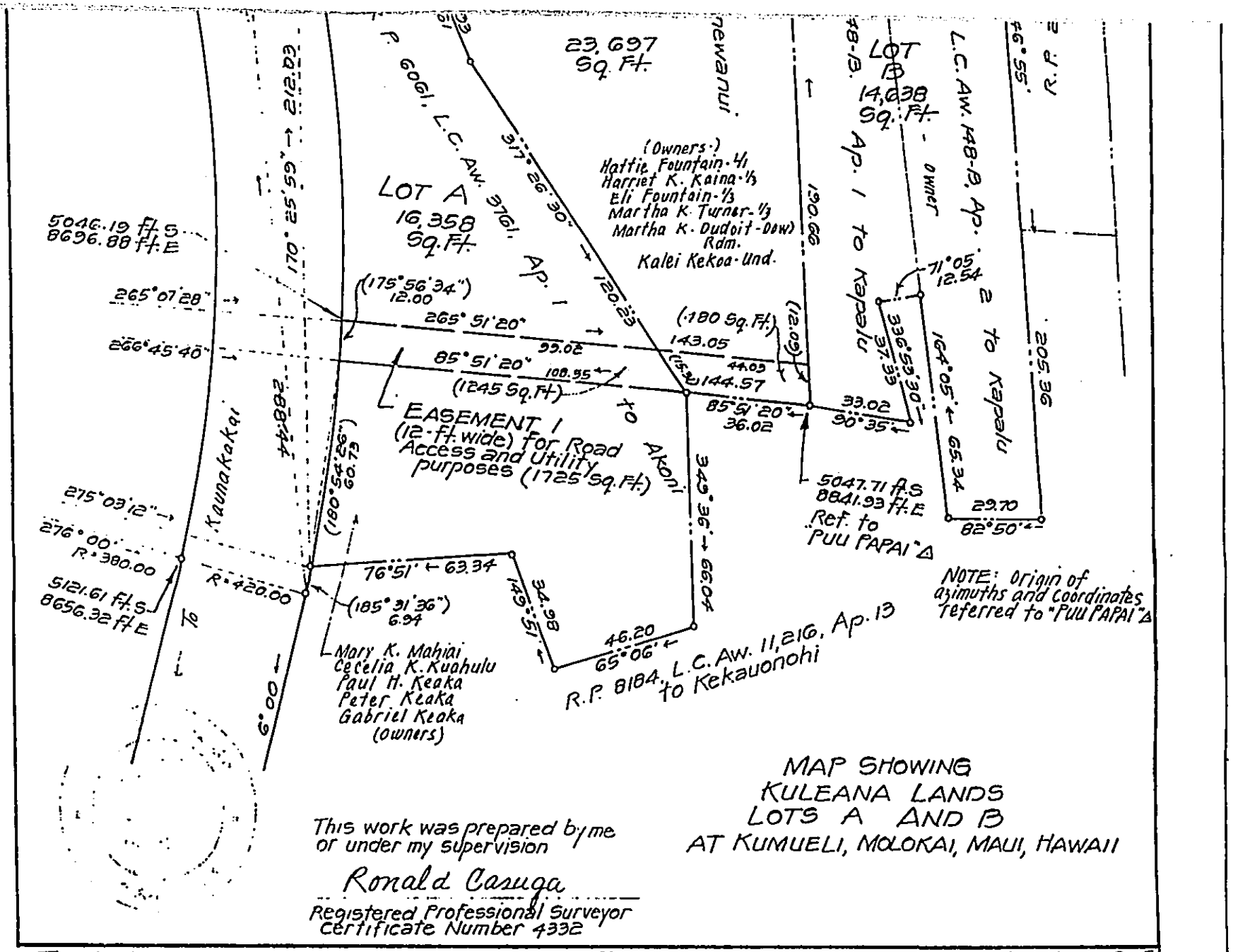
COMMUNITY PLANNING, INC.

By _____
Ronald Casuga
Registered Professional Surveyor
Certificate Number 4332

745 Fort Street
Honolulu, Hawaii
May 22, 1990

COMMUNITY PLANNING, INC.
CONSULTANT PLANNERS • CIVIL ENGINEERS • SURVEYORS
745 FORT STREET • SUITE 400 HONOLULU, HAWAII 96813


TRUE NORTH
Scale: 1 in. = 40 ft.
R.P. 2991, L.C. Aw. 3916, to Nakahuna
Florence Schultz - 1/2
Norfina A. Rice - 1/2
Colleen Smith - 1/2
(owners)
1/2" Pipe (Fnd.)
346° 55'
250° 20'
25.41
1/2" Pipe (Fnd.)
344° 05' → 63.36
Beatrice A. Ogata - owner
LOT B 14,038 Sq. Ft.
R.P. 3806, L.C. Aw. 148-B, Ap. 2 to
71° 05'
12.54
1/2" Pipe (Fnd.)
260° 50'
36.96
166° 20' ← 133.78
166° 20'
39.60
168° 43' ← 190.66
R.P. 3806, L.C. Aw. 148-B. Ap. 1 to Kapalu
R.P. 3018, L.C. Aw. 151-B Ap. 1 to Kanewanui
R.P. 8184, L.C. Aw. 11,216, Ap. 13 to Kekauonohi
78.16
65° 00'
161° 06' ← 66.00
161° 06' ← 81.84
33.00
161° 06'
64° 36'
19.80
244° 36'
16.50
224° 36'
55.90
23,697 Sq. Ft.
(Owners:)
Hattie Fountain - 4/
Harriet K. Kaina - 1/3
Eli Fountain - 1/3
Martha K. Turner - 1/3
Martha K. Dudoit - Dow)
Kalei Kekoa - Und.
Kam.
120.23
317° 26' 30"
100° 00' ← 70.00
25.33
74.61
48.68
328° 06'
4902.81 Ft. S
8661.53 Ft. E
244° 21'
26.32
R.P. 6061, L.C. Aw. 3761, Ap. 1
LOT A 16,358 Sq. Ft.
(175° 56' 34")
12.00
265° 51' 20"
165° 00' ← 33.00
R.P. 3780, L.C. Aw. 149-D Ap. 1 to Kainuinu
Mabel W. Abbey
Roseiani W. Brandt
Winona W. Hong
Arthur K. Wood
Frances M. Ahai - 1/3
(owners)
73.06
150° 45' 23"
165° 55'
83.00
63° 30'
148° 29' 59"
380.00
145° 50'
119.33
GOVERNMENT ROAD
245° 48' 49"
5046.19 Ft. S
8696.88 Ft. E
265° 07' 28"



MAP SHOWING
KULEANA LANDS
LOTS A AND B
AT KUMUELI, MOLOKAI, MAUI, HAWAII

This work was prepared by me
or under my supervision

Ronald Casuga

Registered Professional Surveyor
Certificate Number 4332

Tax Map Key: 5-6-10: 24, 25 & 26
May 11, 1990

COMMUNITY PLANNING, INC.
745 FORT STREET, SUITE 400
HONOLULU, OAHU, HAWAII

15" x 21" = 2.2 Sq. Ft.

EXHIBIT L

(Exhibit
F-1

LOT A

Being the Whole of Royal Patent 6061,
Land Commission Award 3761, Apana 1 to Akoni
At Kumueli, Molokai, Maui, Hawaii

Beginning at a pipe on the Northwest corner of this parcel of land, being also on the East side of Government Road, the coordinates of which referred to Government Survey Triangulation Station "PUU PAPAI" being 4909.81 feet South and 8661.53 feet East and running by azimuths measured clockwise from True South:

1.	244° 21'	26.32 feet	along Royal Patent 3780, Land Commission Award 149-B, Apana 1 to Kainuinu, to a pipe;
2.	328° 06'	74.61 feet	along Royal Patent 3780, Land Commission Award 149-B, Apana 1 to Kainuinu, and Royal Patent 3018, Land Commission Award 151-B, Apana 1 to Kanewanui, to a pipe;
3.	317° 26' 30"	120.23 feet	along Royal Patent 3018, Land Commission Award 151-B, Apana 1 to Kanewanui, to a pipe;
4.	349° 36'	66.04 feet	along remainder of Royal Patent 8184, Land Commission Award 11,216, Apana 13 to Kekauonohi, to a pipe;
5.	65° 06'	46.20 feet	along remainder of Royal Patent 8184, Land Commission Award 11,216, Apana 13 to Kekauonohi, to a pipe;
6.	149° 51'	34.98 feet	along remainder of Royal Patent 8184, Land Commission Award 11,216, Apana 13 to Kekauonohi, to a pipe;

EXHIBIT E

COMMUNITY PLANNING, INC.
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745 FORT STREET • SUITE 400 HONOLULU, HAWAII 96813

7. 76° 51' 63.34 feet along remainder of Royal Patent 8184, Land Commission Award 11,216, Apana 13 to Kekauonohi, to a pipe;

8. Thence along the East side of Government Road, on a curve to the left with a radius of 420.00 feet, the chord azimuth and distance being: 170° 25' 59" 212.03 feet to the point of beginning and containing an area of 16,358 Square Feet.

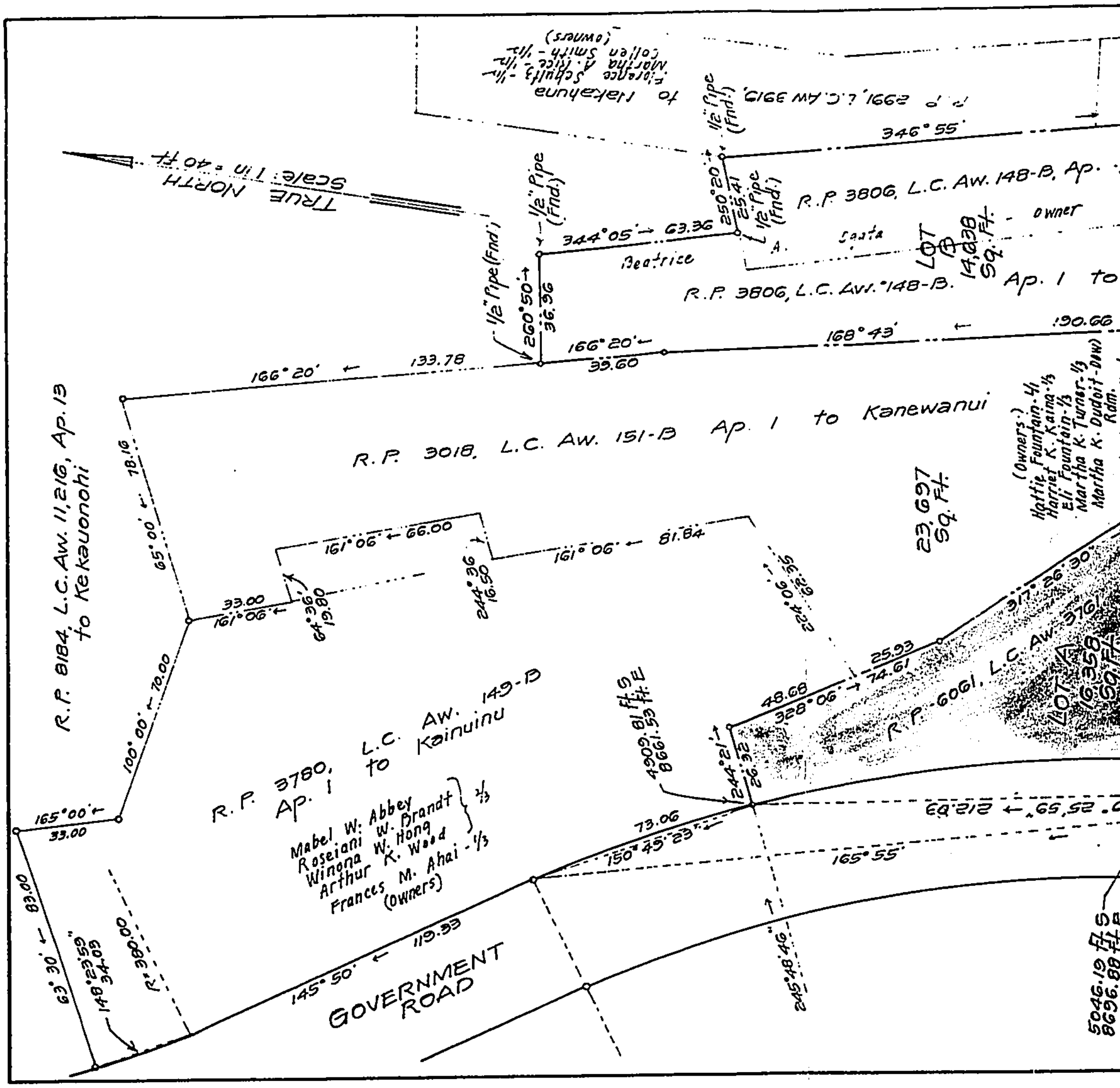
RONALD CASUGA
REGISTERED PROFESSIONAL LAND SURVEYOR
No. 4332
HAWAII, U.S.A.

COMMUNITY PLANNING, INC.

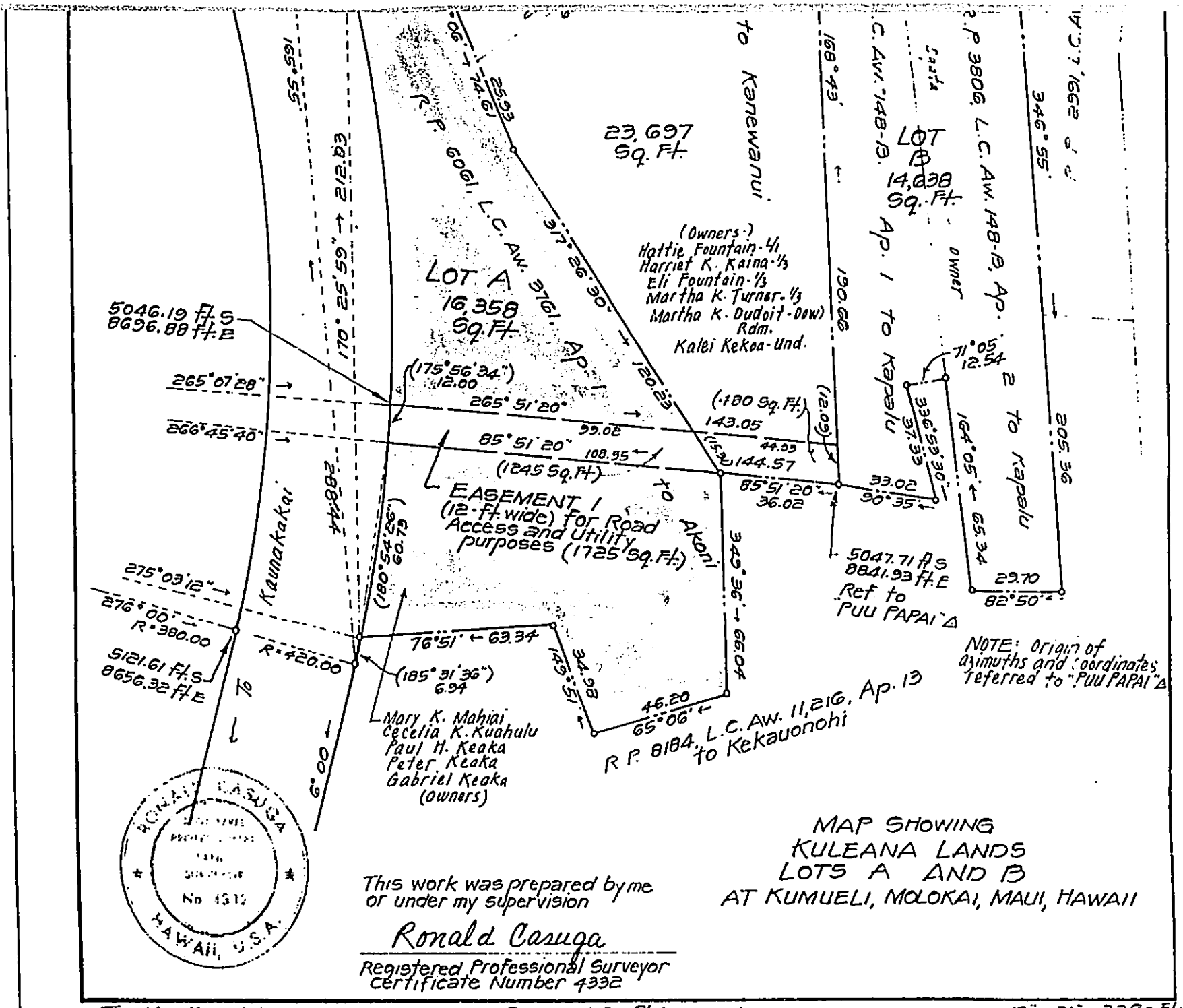
By Ronald Casuga
Ronald Casuga
Registered Professional Surveyor
Certificate Number 4332

745 Fort Street
Honolulu, Hawaii
May 22, 1990

COMMUNITY PLANNING, INC.
CONSULTANT PLANNERS • CIVIL ENGINEERS • SURVEYORS
745 FORT STREET • SUITE 400 HONOLULU, HAWAII 96813



TRUE NORTH
Scale: 1 in = 40 ft.
R.P. 3806, L.C. Aw. 148-B, Ap.
R.P. 3806, L.C. Aw. 148-B. Ap. 1 to
LOT B
14,038 Sq. Ft.
R.P. 3018, L.C. Aw. 151-B Ap. 1 to Kanewanui
23,697 Sq. Ft.
R.P. 8184, L.C. Aw. 11,216, Ap. 13 to Kekauonohi
R.P. 3780, L.C. Aw. 149-B Ap. 1 to Kainuinu
Mabel W. Abbey
Roseiani W. Brandt
Winona W. Hong
Arthur K. Wood
Frances M. Ahai - 1/3
(Owners)
R.P. 6061, L.C. Aw. 376
LOT A
GOVERNMENT ROAD
1/2" Pipe (Fnd.)
166° 20' ← 133.78
168° 43'
190.66
346° 55'
344° 05' → 63.36
250° 20' 25.41
260° 50' 36.56
166° 20' ← 39.60
161° 06' ← 66.00
161° 06' ← 81.84
244° 36' 16.50
64° 36' 19.80
161° 06' 33.00
65° 00' ← 78.16
100° 00' ← 70.00
165° 00' ← 33.00
63° 30' ← 83.00
148° 29' 59" 34.09
R = 380.00
145° 50' ← 119.33
150° 45' 23" 73.06
165° 55'
244° 21' 26.32
328° 06' 48.68
25.93
74.61
317° 26' 30"
4909.81 ft. S
8661.53 ft. E
245° 48' 46"
5046.19 ft. S
8696.88 ft. E



This work was prepared by me or under my supervision

Ronald Casuga

Registered Professional Surveyor
Certificate Number 4332

MAP SHOWING KULEANA LANDS LOTS A AND B AT KUMUELI, MOLOKAI, MAUI, HAWAII

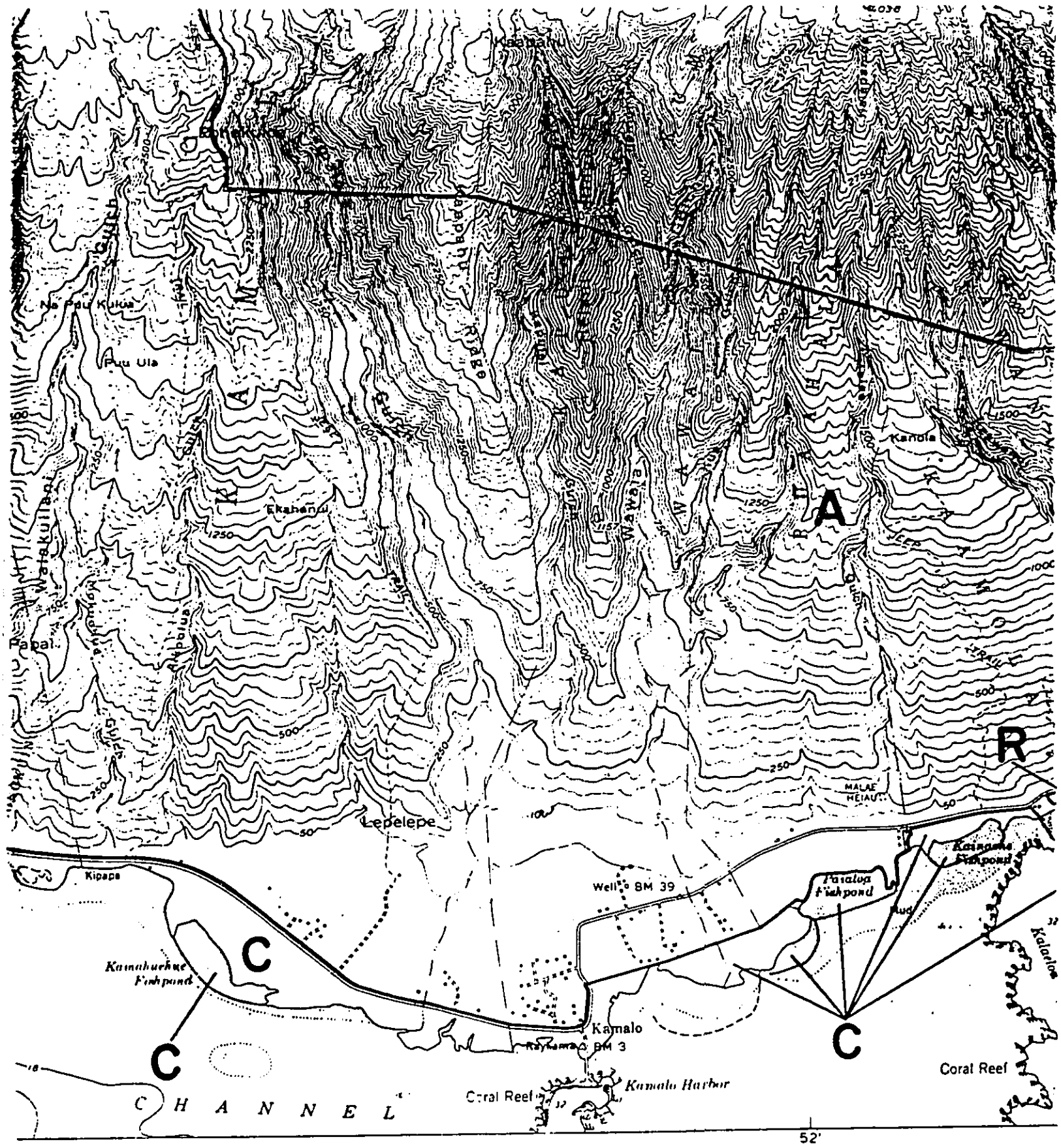
Tax Map Key: 5-6-10: 24, 25 & 26
May 11, 1990

COMMUNITY PLANNING, INC.
745 FORT STREET, SUITE 400
HONOLULU, OAHU, HAWAII

15" x 21" = 2.2 Sq. Ft.

EXHIBIT E-1

Exhibit G



SCALE 1:24 000

EXHIBIT 9

Exhibit H

THE ORIGINAL OF THE DOCUMENT
RECORDED AS FOLLOWS
STATE OF HAWAII

BUREAU OF CONVEYANCES
DATE MAR 5 1990 TIME 3:14
DOCUMENT NO. 90 031571

RECORDATION REQUESTED BY:

AFTER RECORDATION, RETURN TO:

Mitsuo Shito
94-277 Haaa Street
Waipahu, HI 96797

RETURN BY: MAIL ( ) PICKUP (✓)

KNOW ALL MEN BY THESE PRESENTS:

That BEATRICE AANA OGATA, wife of Masanori Ogata, of Waimanalo, City and County of Honolulu, State of Hawaii, whose address is 41-936 Kakaina Street, Waimanalo, Hawaii 96795, hereinafter called "GRANTOR", for and in consideration of the sum of SEVEN THOUSAND THREE HUNDRED EIGHTEEN DOLLARS ($7,318.00) and other good and valuable consideration to her paid by MITSUO SHITO AND GENEVIEVE ILIMA SHITO, husband and wife, whose residence and post office address is 94-277 Haaa Street, Waipahu, City and County of Honolulu, State of Hawaii, and GEORGE IRWING LEONG and EUGENIE HARUNO LEI SHITO LEONG, husband and wife, whose residence and post office address is 94-193 Kupuna Loop, Waipahu, City and County of Honolulu, State of Hawaii, hereinafter called "GRANTEES", the receipt whereof is hereby acknowledged, does by these presents give, grant, bargain, sell and convey unto the Grantees as Tenants in Common with full rights of survivorship, to their assigns, the survivor of them, and to the heirs and assigns of the survivor, in fee simple, forever

EXHIBIT "A"

and absolutely, all of her right, title and interest in and to the following described property situate on the Island of Molokai:

1. Land situate at Kumueli, Molokai, State of Hawaii, being all of R. P. 3806, L. C. Aw. 148-B Apana 1 and 2 to Kapalu, containing approximately 19,660 square feet, being also described by Tax Map Key: 5-6-010-24.

And the reversions, remainders, rents, issues and profits thereof, and all of the estate, right, title and interest of the Grantor, both at law and in equity, therein and thereto.

TO HAVE AND TO HOLD the same, together with all buildings, improvements, rights, easements, privileges and appurtenances thereunto belonging or appertaining or held and enjoyed therewith, unto the said Grantees as Tenants in Common with full right of survivorship, to their assigns, the survivor of them, and to the heirs and assigns of the survivor, forever.

IN WITNESS WHEREOF, the Grantor has hereunto set her hand in Honolulu, City and County of Honolulu, State of Hawaii, this 28TH day of FEBRUARY, 1990.

Beatrice Aana Ogata
BEATRICE AANA OGATA

STATE OF HAWAII)
) SS:
CITY AND COUNTY OF HONOLULU)

On this 28th day of February, 1990, before me personally appeared BEATRICE AANA OGATA, to me known to be the person described in and who executed the foregoing instrument and acknowledged that she executed the same as her free act and deed.

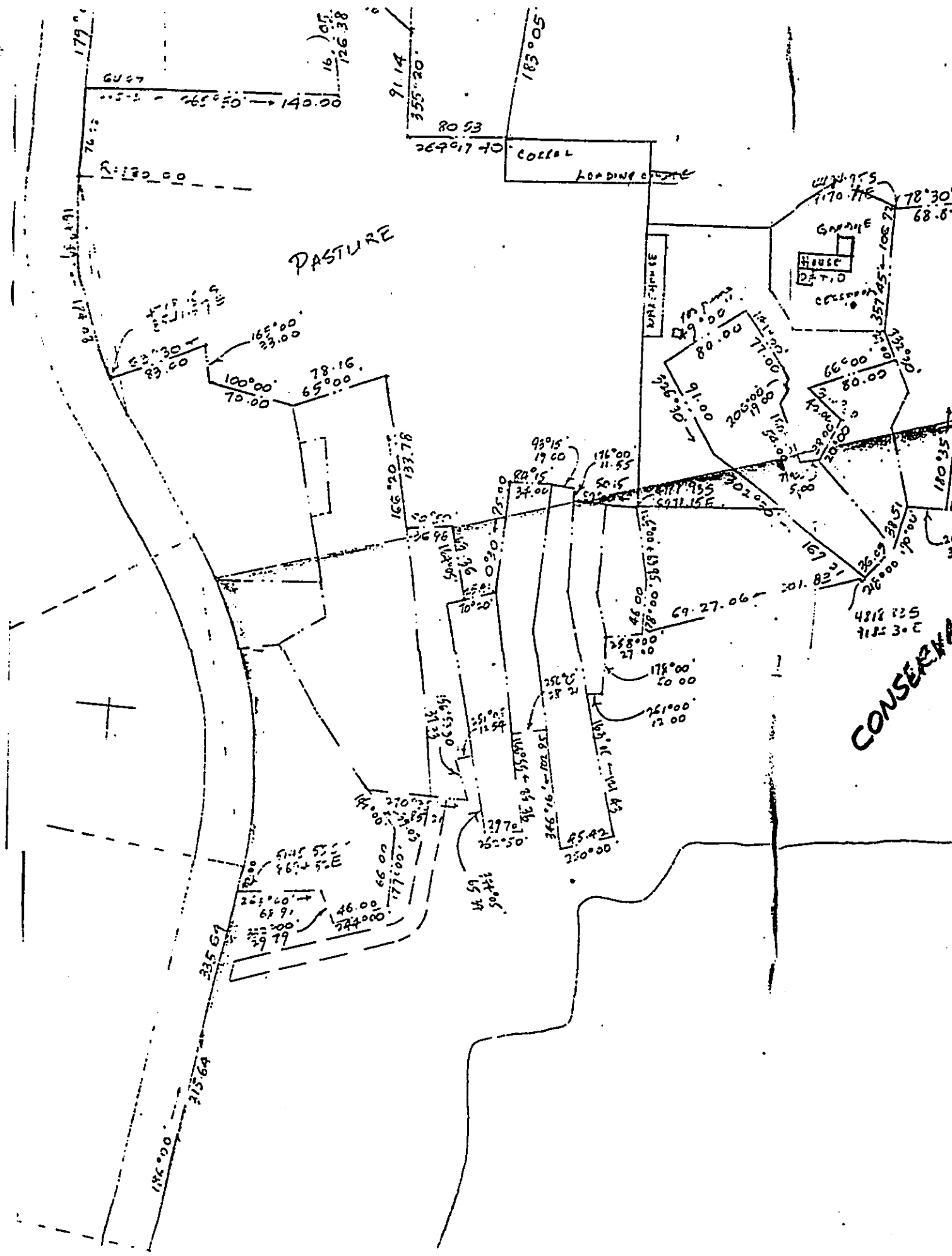
Notary Public, First Judicial Circuit, State of Hawaii

My commission expires: 7-4-92

Exhibit
I

DOCUMENT CAPTURED AS RECEIVED

LUC File Copy
TMK 5-6-8:13
31 Oct 74
For DLNR (K100)



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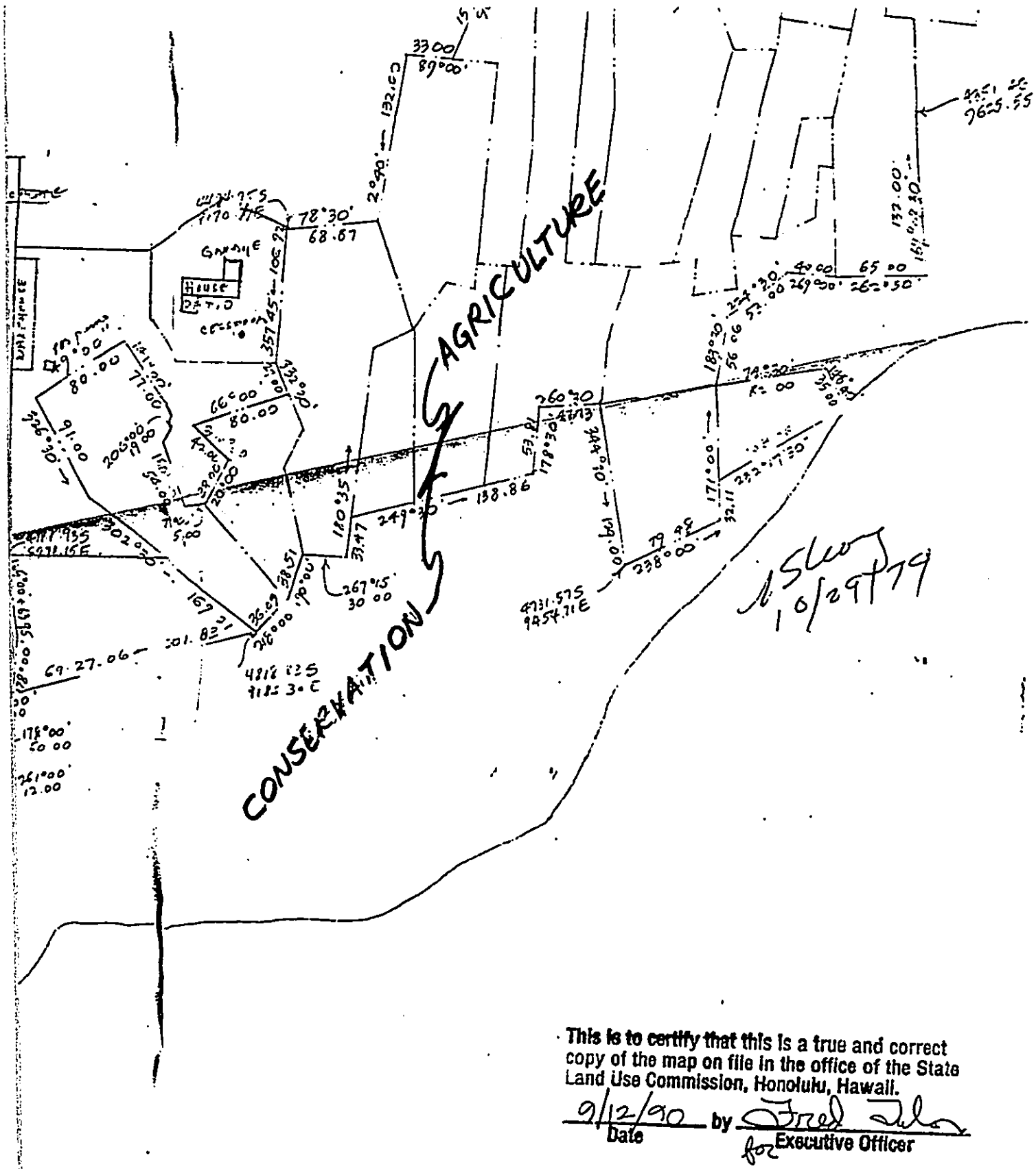

This is to certify that this is a true and correct copy of the map on file in the office of the State Land Use Commission, Honolulu, Hawaii.

9/12/90 by Fred Ida
Date for Executive Officer

EXHIBIT "I"

Exhibit J

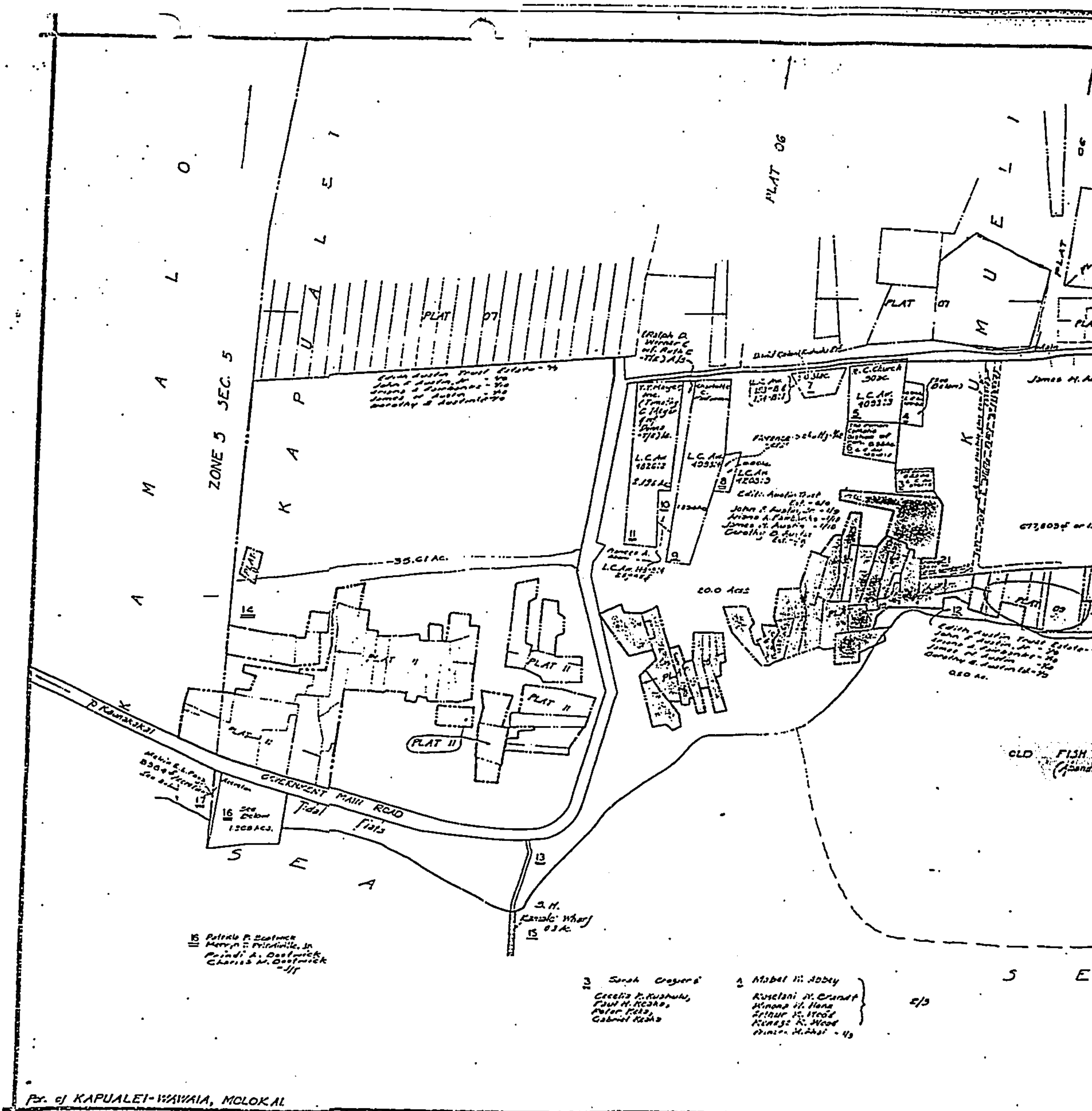

EXHIBIT J

DOCUMENT CAPTURED AS RECEIVED