

JOHN WAIHEE
GOVERNOR OF HAWAII



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

LIBERT K. LANDGRAF
DEPUTY

STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES

P. O. BOX 621
HONOLULU, HAWAII 96809

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

FILE NO.: MA-2111
180-Day Exp. Date: 7/5/88
DOCUMENT NO.: 3640E

JUN 17 '88

Maui Land and Pineapple Company, Inc.
R.R. 1 Box 445-C
Lahaina, HI 96761

Attn: Mr. Doug Schenk

Dear Mr. Schenk:

We are pleased to inform you that your Conservation District Use Application for watershed and vegetation protection on portions of TMK: 4-1-1: 17, 4-2-1: 1, and 4-3-1: 17, in the West Maui Mountain Range, Maui was approved on June 9, 1988 subject to the following conditions:

1. The applicant shall comply with all applicable statutes, ordinances, rules and regulations of the Federal, State and County governments, and applicable parts of Section 13-2-21, Administrative Rules, as amended;
2. The applicant, its successors and assigns, shall indemnify and hold the State of Hawaii harmless from and against any loss, liability, claim or demand for property damage, personal injury and death arising out of any act or omission of the applicant, its successors, assigns, officers, employees, contractors and agents under this permit or relating to or connected with the granting of this permit;
3. The applicant shall comply with all applicable Department of Health Administrative Rules;
4. Before proceeding with any work authorized by the Board, the applicant shall submit four (4) copies of the construction plans and specifications to the Chairperson or his authorized representative for approval for consistency with the conditions of the permit and the declarations set forth in the permit application. Three (3) of the copies will be returned to the applicant. Plan approval by the Chairperson does not infer approval required of other agencies. Compliance with Condition 1 remains the responsibility of the applicant;

RECEIVED

JUN 23 AM 7:43

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DEPARTMENT OF LAND AND NATURAL RESOURCES
STATE OF HAWAII

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JUN 23 AM 7:32

DLNR
OCEA

5. Any work or construction to be done on the land shall be initiated within one (1) year of the approval of such use, and all work and construction must be completed within three (3) years of the approval of such use;
6. That the applicant shall keep to a minimum all cutting or removal of vegetation in the project area;
7. That the fence shall be constructed using 4' high hog-wire mesh flushed to the ground, iron pins spaced no farther than 10 feet apart and a strand of barbwire running at ground level;
8. That no live trees shall be used to tack, tie, anchor, or otherwise used in the construction of the fences;
9. That the applicant shall be held responsible for the removal of all litter and debris generated from the construction and maintenance of the fence line and use of the area;
10. That the applicant shall be held responsible for all fires, including fire suppression costs, resulting in conjunction with the construction and maintenance of the fence line;
11. That the applicant install one-way pig gates at each fence site to allow for pigs to exit makai of the area if contained after fencing;
12. If historic remains such as artifacts, shell or charcoal deposits, burials, and stone platforms, pavings, or walls are found during construction, please direct the applicant to stop work in the immediate area and contact the Historic Sites Section at 548-7460 immediately. Our office will assess the situation and make recommendations for mitigative action, if needed.
13. Before proceeding with the project, the applicant will identify the anticipated flight patterns and landing areas, and daily use of helicopters to transport equipment and manpower;
14. That failure to comply with any of these conditions shall render this Conservation District Land Use application null and void; and
15. Other terms and conditions as prescribed by the Chairperson.

Maui Land and Pineapple
Co., Inc.

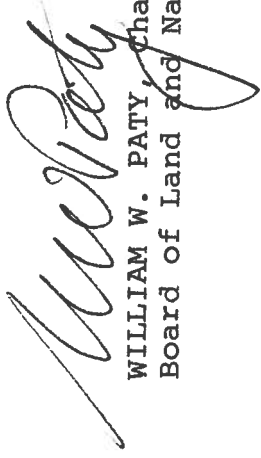
- 3 -

MA-2111

Please acknowledge receipt of this permit, with the above noted conditions, in the space provided below. Please sign two copies. Retain one and return the other.

Should you have any questions on any of these conditions, please feel free to contact our Office of Conservation and Environmental Affairs staff at 548-7837.

Very truly yours,



WILLIAM W. PATY, Chairperson
Board of Land and Natural Resources

Receipt acknowledged



Applicant's Signature

cc: Maui Board Member
Maui Land Agent
Maui County Planning Department
DOH/OEQC/EC/OHA/DBED



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

LIBERT K. LANDGRAF
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AQUACULTURE DEVELOPMENT
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FORESTRY AND WILDLIFE
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

FILE NO.: MA-2111
180-Day Exp. Date: 7/5/88
DOCUMENT NO.: 3524E

June 9, 1988

Board of Land and
Natural Resources
State of Hawaii
Honolulu, Hawaii

Gentlemen:

Conservation District Use Application for
Watershed and Vegetation Protection
at Puu Kukui, West Maui

APPLICANT:

Maui Land and Pineapple Company, Inc.
R.R. 1 Box 445-C
Lahaina, HI 96761

LANDOWNERSHIP:

Maui Land and Pineapple Company, Inc.

LOCATION:

Puu Kukui, West Maui Mountain Range, Maui
(portions of TMK: 4-1-1: 17, 4-2-1: 1, and
4-3-1: 17)

AREA OF PARCEL/USE:

7,730 acres

SUBZONES:

Protective and Resource

DESCRIPTION OF AREA/CURRENT USE:

The proposed project is located in the West Maui Mountains (Exhibit A) situated on portions of three adjoining parcels identified as TMK: 4-1-1: 17, 4-2-1: 1 and 4-3-1: 17 (Exhibits B, C and D). The properties are located within the State Land Use Conservation District in the Protective and Resource subzones (Exhibit E). Subzone distribution varies among the parcels, with TMK: 4-1-1: 17 and 4-2-1: 1 in both the Protective and Resource Subzones and 4-3-1: 17 in the Resource Subzone.

The vegetation of the project area is primarily ohia forests with dense fern and shrub groundcover. The terrain is characterized as steep with narrow ridges. Other features of the area include bogs, a lake (Violet Lake), rare plants and forest bird habitat. The Honokawai Section of the West Maui Natural Area Reserve abuts the project area at Puu Kukui (Exhibit F).

Puu Kukui (elevation 5,788 ft.) is a large, more or less flat plateau, composed of light-grey loamy soil. Existing vegetation is stunted except in depressions on small gulches, where there is protection from the wind.

There are no utility easements and no known archaeological/historical sites in the area.

PROPOSED USE:

The boundary of the project area (Exhibit G) begins at Puu Kukui proceeding easterly and then northerly along the Wailuku-Lahaina Judicial District Boundary to the intersection of the District Boundary and the West Maui Forest Reserve on the east side of Honokahou Gulch (elevation 11,300 feet). The boundary proceeds westerly and then southerly along the Forest Reserve boundary to Kaulalewelewe, which is the site of the applicant's Haalaeu cabin. At this point the boundary traverses a trail maintained by the applicant that proceeds mauka to the summit of Puu Kukui.

As identified by the applicant, the purpose of the proposed fencing project is to protect the watershed and native vegetation environs from destruction by feral pigs and other ungulates. The project is divided into two phases.

In phase one, three fences of varying lengths will be constructed on ridge tops at strategic locations to prevent further access of feral pigs to high elevations. Since there is evidence of pig damage as high as 5,400 feet elevation, the fences will include one way gates. These gates will allow any pigs trapped above the fences to escape makai but will not allow them further access mauka.

In phase two, the success of the fences will be determined. It is anticipated that the phase one fences will alter the existing travel patterns of the pig population. If the pigs are still able to get above the phase one fences, more fences will be constructed to block any new pathways. Any remnant pigs left above phase one fences will be removed by utilizing currently accepted pig removal techniques used by State and Federal agencies.

Phase one fences will be from 30 to 400 feet long depending on the exact location of each fence. It will take at least two days to complete the longer fences. Determination of the exact fence line will be made on the first day. At this time the fence line will be marked and measured. On the second day, materials and workers will be transported to the identified site. Transport of equipment and manpower will be by helicopter.

The fences will be constructed of galvanized steel materials to insure a long life, estimated at between 20 to 30 years. They will be 47 inches high, made of woven wire (hog wire) clipped to 8-foot high metal "T" posts placed no more than ten feet apart. A single strand of barbed wire will run at ground level and be clipped to the posts. This is done to inhibit pig rooting. Posts will be pounded into the ground 3 to 4 feet deep leaving a post 4 to 5 feet above the ground.

Precautions will be taken by fencebuilders prior to entering the area so as not to introduce exotic plants. Any plant accidentally introduced will be eradicated. Due to weather conditions in the area it may take up to one year to complete the phase one fences.

SUMMARY OF COMMENTS:

The application was referred to the following agencies for their review and comment: the Department of Land and Natural Resources Divisions of Aquatic Resources, Forestry and Wildlife, State Parks/Historic Sites, Land Management, Conservation and Resources Enforcement, Water and Land Development, and the Natural Area Reserves System; the State Department of Health and Department of Business and Economic Development, the Office of Environmental Quality Control, the Environmental Council, and the Office of Hawaiian Affairs; and the County of Maui Department of Planning, Department of Public Works, and Department of Parks and Recreation. Their comments are as follows:

The Divisions of Aquatic Resources and Land Management had no objections to the proposed project.

Division of Forestry and Wildlife

The proposed project compliments our fencing projects on adjacent State-owned lands to protect the West Maui Natural Area Reserve and its watershed values.

Recommendations

We recommend approval of this project because of its beneficial impact on the West Maui Natural Area Reserve. We further recommend that approval be subject to the following conditions:

1. That the applicant shall keep to a minimum all cutting or removal of vegetation in the project area.
2. That the fence shall be constructed using 4' high hog-wire mesh flushed to the ground, iron pins spaced no farther than 10 feet apart and a strand of barbwire running at ground level.
3. That no live trees shall be used to tack, tie, anchor, or otherwise used in the construction of the fences.
4. That the applicant shall be held responsible for the removal of all litter and debris generated from the construction and maintenance of the fence line and use of the area.
5. That the applicant shall be held responsible for all fires, including fire suppression costs, resulting in conjunction with the construction and maintenance of the fence line.
6. That the applicant install one-way pig gates at each fence site to allow for pigs to exit the area if contained in the area after fencing.

Division of State Parks

Historic Sites Concerns

This project area does not contain historic sites that are listed on the Hawaii Register or the National Register of Historic Places, or that have been determined eligible for inclusion on the National Register of Historic Places. However, no archaeological surveys have taken place in the area, so it is uncertain if significant historic sites are present.

We note that the project area is in the high elevation and within the forest reserve boundary. Information on the pattern of forest use is still lacking. Available data indicate that this environment was used primarily for resource exploitation (for example, trees for canoes and birds for feathers). Remains of these special activities and associated sites for temporary shelter are expected to occur, but only sparsely. Since determination of the exact fence line will be made on the first day, we recommend that the following condition be included in the permit:

If historic remains such as artifacts, shell or charcoal deposits, burials, and stone platforms, pavings, or walls are found during construction, please direct the applicant to stop work in the immediate area and contact the Historic Sites Section at 548-7460 immediately. Our office will assess the situation and make recommendations for mitigative action, if needed.

Recreation Concerns

There are no state park concerns.

Division of Conservation and Resources Enforcement

This office has no objections to the proposed request. The construction of fences would help protect the watershed lands and native vegetation in the project site and surrounding areas.

Division of Water and Land Development

It is commendable of the applicant to control feral pig damage on the West Maui watershed. The fencing of the applicant's land would likely result in an increase of the animal population in the adjoining lands, some of which are State-owned. For this reason, the project, if approved, should be carefully monitored.

Natural Area Reserves System

As a matter of clarification, it should be noted that the CDUA, of which we recommend approval, covers only the Maui Land and Pineapple land area (Honokahua and Honokahau) needed for the fencing project. As shown in the applicant's map, two

of the fences would extend into the State lands of the Honokowai Section of the West Maui Natural Area Reserve. Without this extension into the State reserve, the fencing the project would be ineffective in controlling or restricting the mauka movement of feral pigs. The Land Board, through its Chairman and with the approval of the Natural Area Reserves System Commission, has issued a NARS special-use permit to install the proposed fences in the West Maui reserve. A copy of the permit is attached (Exhibit H).

State Department of Health

Our staff has reviewed this request and does not foresee any major adverse environmental effects arising from this project.

Please be informed that we have no objections to granting the permit.

State Department of Business and Economic Development

We have reviewed the subject application and do not find any significant adverse impacts relative to the Hawaii Coastal Zone Management Program.

Office of Environmental Quality Control

This project proposes to construct fences at strategic locations to prevent feral pigs from entering into high watershed areas. We realize that pigs can cause significant damage and support this project.

County of Maui, Planning Department

The Planning Department has reviewed the subject application and finds that the proposed project is located outside of the Special Management Area (SMA); therefore, no SMA Assessment Permit is required.

The County of Maui, Department of Public Works had no comments on the proposed project.

ANALYSIS:

Following review and acceptance of the application for processing, the applicant, by letter dated February 4, 1988 was notified that:

1. The proposed use is a permitted use in the Protective and Resource Subzones of the Conservation District according to Title 13, Chapter 2, Administrative Rules, as amended;
2. No public hearing pursuant to Chapter 183-41, Hawaii Revised Statutes, as amended, was required; and
3. A negative declaration in accordance with Title 11, Chapter 200 of the Administrative Rules, had been determined for the proposed action..

The objective of the Protective subzone is to protect valuable resources in such designated areas as restricted watersheds; marine, plant or wildlife sanctuaries; significant historic, archaeological, geological, and volcanological features and sites; and other designated unique areas.

The objective of the Resource subzone is to develop, with proper management, areas to ensure sustained use of the natural resources of those areas.

Section 13-2-21(b)(1) relating to standards requires all applications be reviewed in such a manner that the objective of the subzone is given primary consideration.

Staff has reviewed permitted uses within the Protective and Resource Subzones, as contained in Title 13, Chapter 2, Administrative Rules. Two permitted use statements relate to the subject application, including:

- (4) Maintenance and protection of desired vegetation, including removal of dead, deteriorated and noxious plants; and
- (5) Programs for control of animal, plant and marine population, to include fishing and hunting.

After reviewing the comments from the various agencies, staff finds that the proposed project will assist to maintain, if not improve, the environmental habitat in the Protective and Resource Subzones. Further, staff believes that the proposed use is consistent with the identified objectives of the Protective and Resource Subzones.

As such, Staff recommends as follows:

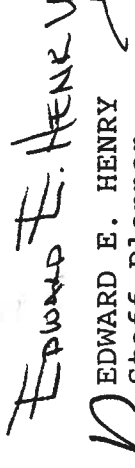
RECOMMENDATION:

That the Board approve this request for a fencing project to protect the watershed and native vegetation environs from destruction by feral pigs, subject to the following conditions:

1. The applicant shall comply with all applicable statutes, ordinances, rules and regulations of the Federal, State and County governments, and applicable parts of Section 13-2-21, Administrative Rules, as amended;
2. The applicant, its successors and assigns, shall indemnify and hold the State of Hawaii harmless from and against any loss, liability, claim or demand for property damage, personal injury and death arising out of any act or omission of the applicant, its successors, assigns, officers, employees, contractors and agents under this permit or relating to or connected with the granting of this permit;
3. The applicant shall comply with all applicable Department of Health Administrative Rules;
4. Before proceeding with any work authorized by the Board, the applicant shall submit four (4) copies of the construction plans and specifications to the Chairperson or his authorized representative for approval for consistency with the conditions of the permit and the declarations set forth in the permit application. Three (3) of the copies will be returned to the applicant. Plan approval by the Chairperson does not infer approval required of other agencies. Compliance with Condition 1 remains the responsibility of the applicant;

5. Any work or construction to be done on the land shall be initiated within one (1) year of the approval of such use, and all work and construction must be completed within three (3) years of the approval of such use;
6. That the applicant shall keep to a minimum all cutting or removal of vegetation in the project area;
7. That the fence shall be constructed using 4' high hog-wire mesh flushed to the ground, iron pins spaced no farther than 10 feet apart and a strand of barbwire running at ground level;
8. That no live trees shall be used to tack, tie, anchor, or otherwise used in the construction of the fences;
9. That the applicant shall be held responsible for the removal of all litter and debris generated from the construction and maintenance of the fence line and use of the area;
10. That the applicant shall be held responsible for all fires, including fire suppression costs, resulting in conjunction with the construction and maintenance of the fence line;
11. That the applicant install one-way pig gates at each fence site to allow for pigs to exit makai of the area if contained after fencing;
12. If historic remains such as artifacts, shell or charcoal deposits, burials, and stone platforms, pavings, or walls are found during construction, please direct the applicant to stop work in the immediate area and contact the Historic Sites Section at 548-7460 immediately. Our office will assess the situation and make recommendations for mitigative action, if needed.
13. Before proceeding with the project, the applicant will identify the anticipated flight patterns and landing areas, and daily use of helicopters to transport equipment and manpower;
14. That failure to comply with any of these conditions shall render this Conservation District Land Use application null and void; and
15. Other terms and conditions as prescribed by the Chairperson.

Respectfully submitted,


EDWARD E. HENRY
Staff Planner

Attachments

Board of Land and
Natural Resources

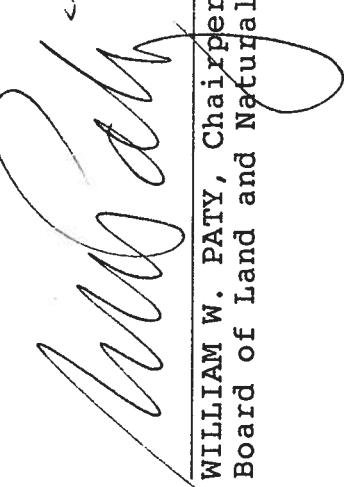
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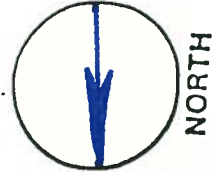
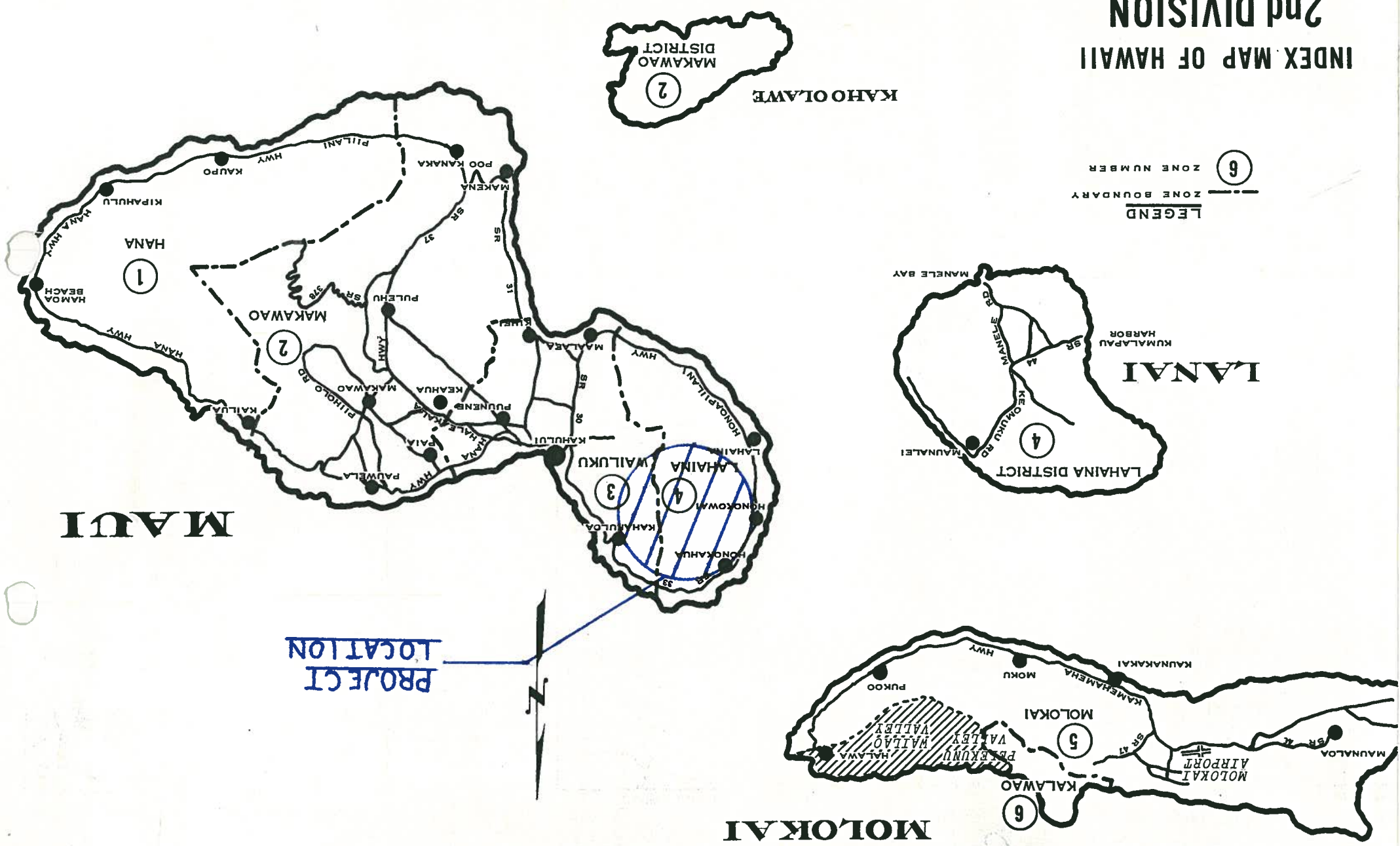
Under the authority delegated by
the Board of Land and Natural
Resources at its meeting of
July 14, 1978, this application
for permitted use as described
herein is hereby:

☒ APPROVED
☐ DISAPPROVED

Dated at Honolulu, HI this 9 th
day of June, 19 88.

STATE OF HAWAII

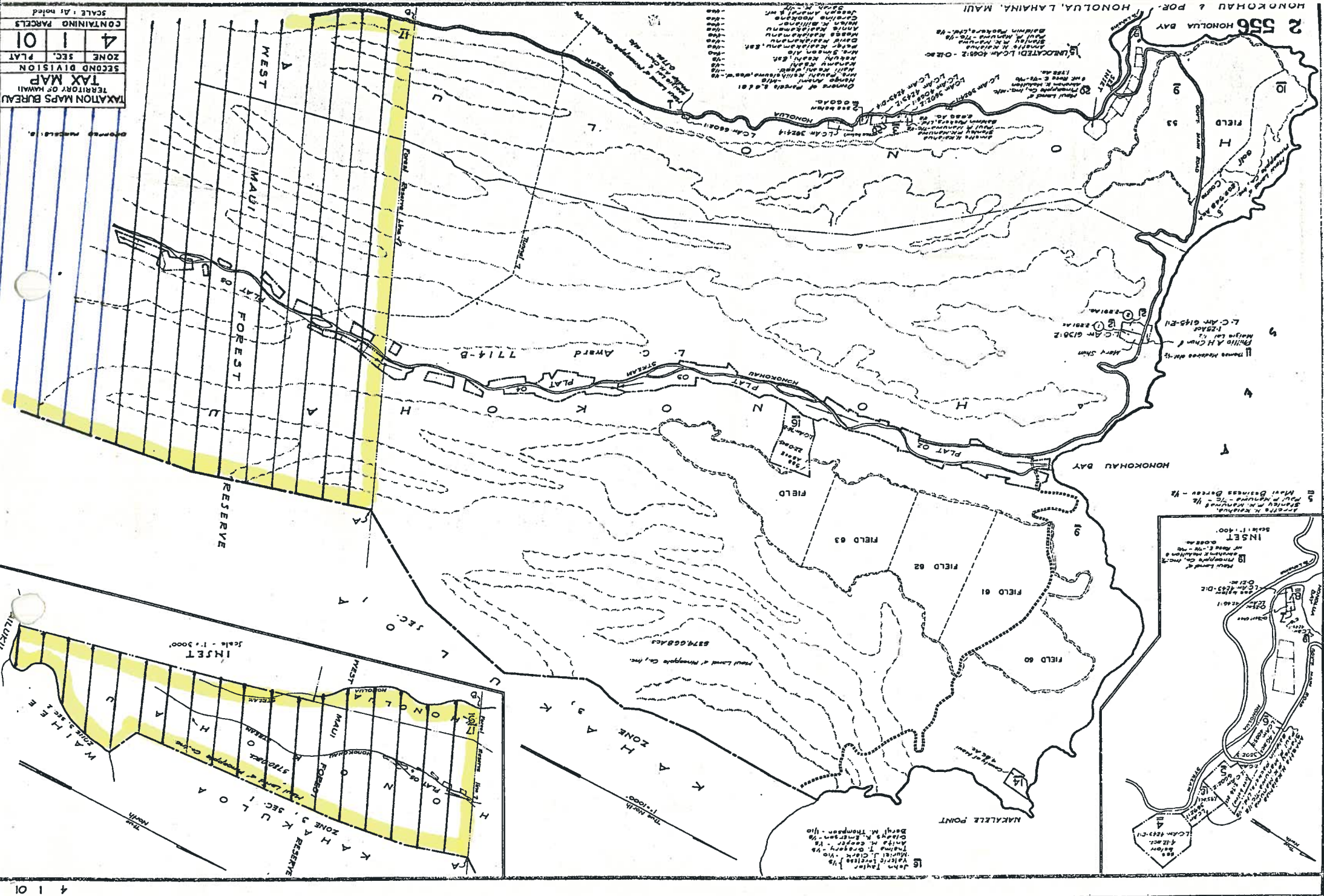
By: 
WILLIAM W. PATY, Chairperson and Member
Board of Land and Natural Resources



CDUA no. MA-2/4/88-2111
APPLICANT MAUI LAND AND PINEAPPLE CO.
AGENT
TMK 4-1-1:17. & 4-2-1:1 & 4-3-1:17

EXHIBIT A

PROTECTIVE	RESOURCE	LIMITED	GENERAL
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CDUA no. MA-2/4/88-2111
APPLICANT MAUI LAND AND PINEAPPLE CO.
AGENT TMK 4-I-I:17 & 4-2-1:1 & 4-3-1:17

EXHIBIT B

SUBZONE
PROTECTIVE
RESOURCE
LIMITED
GENERAL



CDUA no. MA-2/4/88-2111

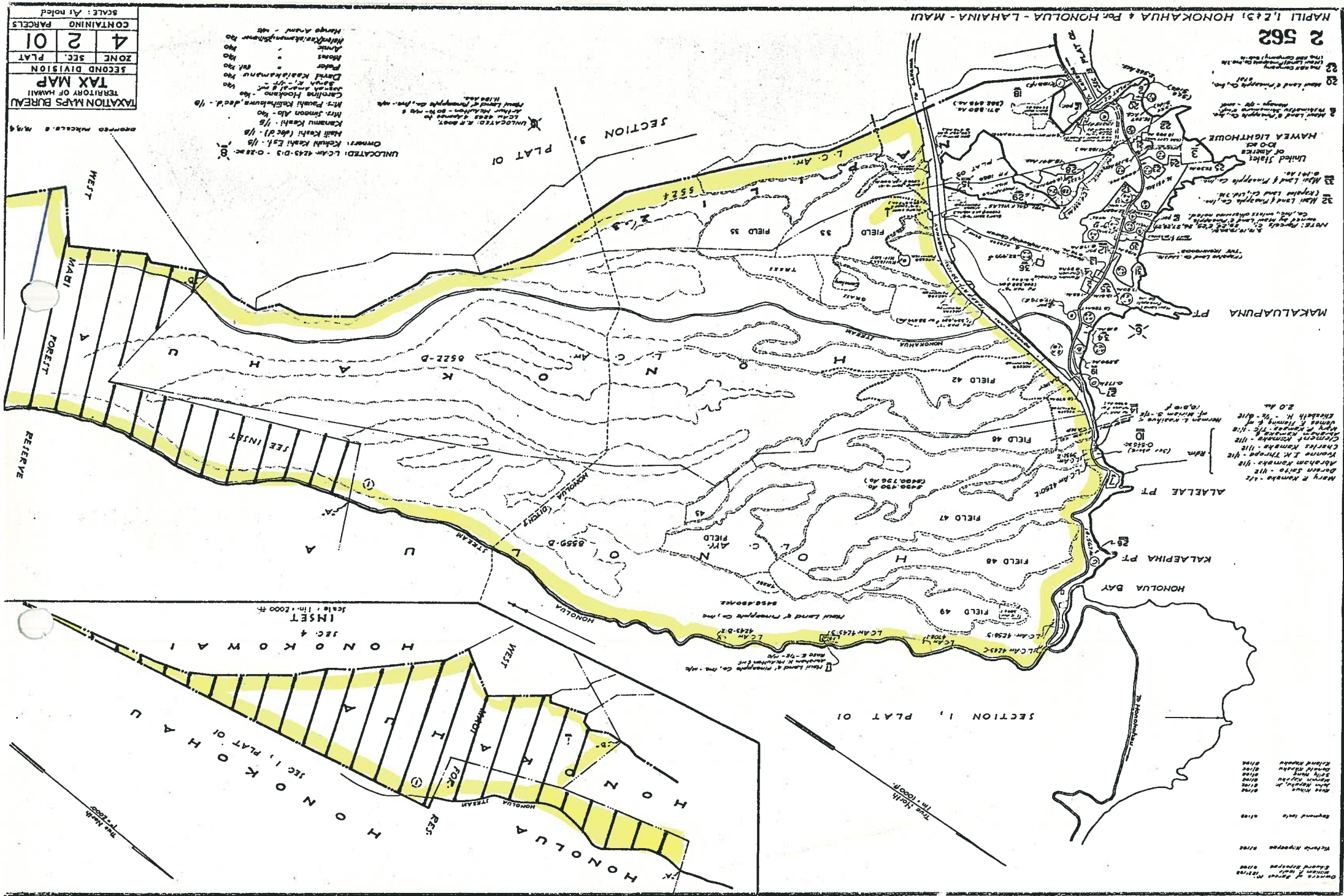
APPLICANT MAUI LAND AND PINEAPPLE CO.

AGENT

TMK 4-1-1:17. & 4-2-1:1 & 4-3-1:17

EXHIBIT C

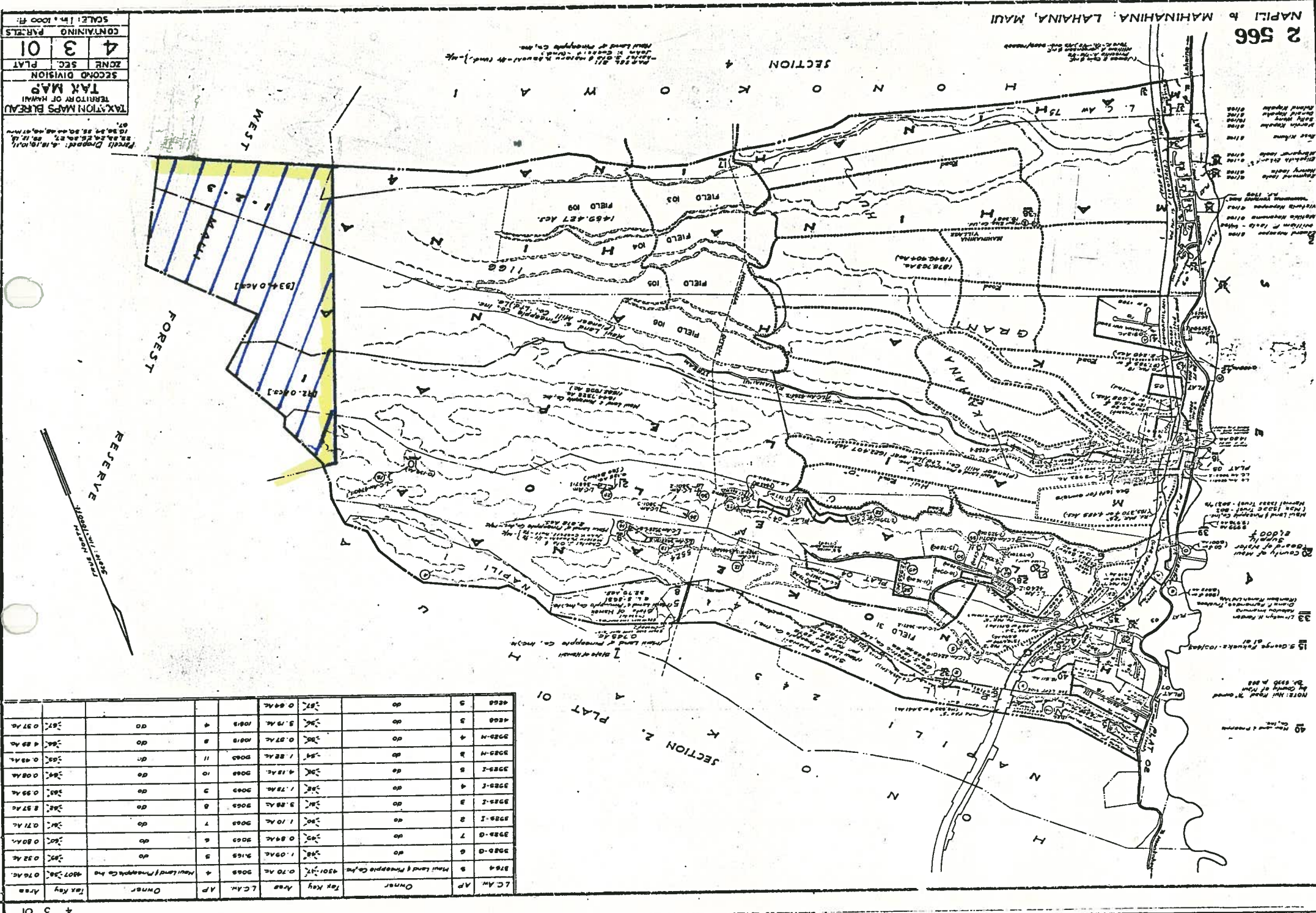
- PROTECTIVE SUBZONE
- RESOURCE SUBZONE
- LIMITED SUBZONE
- GENERAL SUBZONE



TAXATION MAPS BUREAU		
TERRITORY OF HAWAII		
SECOND DIVISION		
ZONE	SEC.	PLAT
4	2	01
CONTAINING PARCELS		
SCALE: As noted		

L.C. No.	Owner	For Key	Area	L.C. No.	AP		
8764	Maul Land & Phosphate Co. Inc.	4301.21	5045	4	Newland & Phosphate Co. Inc.	4307.28	0.76 Ac.
3580-0	do	250	1.05 Ac.	5	do	350	0.22 Ac.
3525-0	do	300	0.84 Ac.	5	do	300	0.22 Ac.
3525-1	do	300	1.10 Ac.	7	do	300	0.71 Ac.
3525-2	do	300	3.28 Ac.	8	do	300	8.37 Ac.
3525-3	do	300	1.73 Ac.	9	do	300	0.35 Ac.
3525-4	do	300	1.22 Ac.	10	do	300	0.08 Ac.
3525-N	do	300	0.37 Ac.	11	do	300	0.43 Ac.
4560	do	300	5.75 Ac.	12	do	300	4.53 Ac.
4560	do	300	0.64 Ac.	13	do	300	0.37 Ac.

TAXATION MAPS BUREAU TERRITORY OF HAWAII TAX MAP		
SECOND DIVISION		
ZONE	SEC.	PLAT
4	3	01
CONTAINING PARCELS		



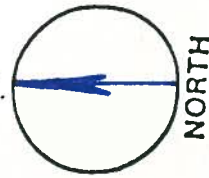
CDUA no. MA-2/4/88-2111

APPLICANT MAUI LAND AND PINEAPPLE CO.

AGENT
TMK 4-1-1:17. & 4-2-1:1 & 4-3-1:177

EXHIBIT D

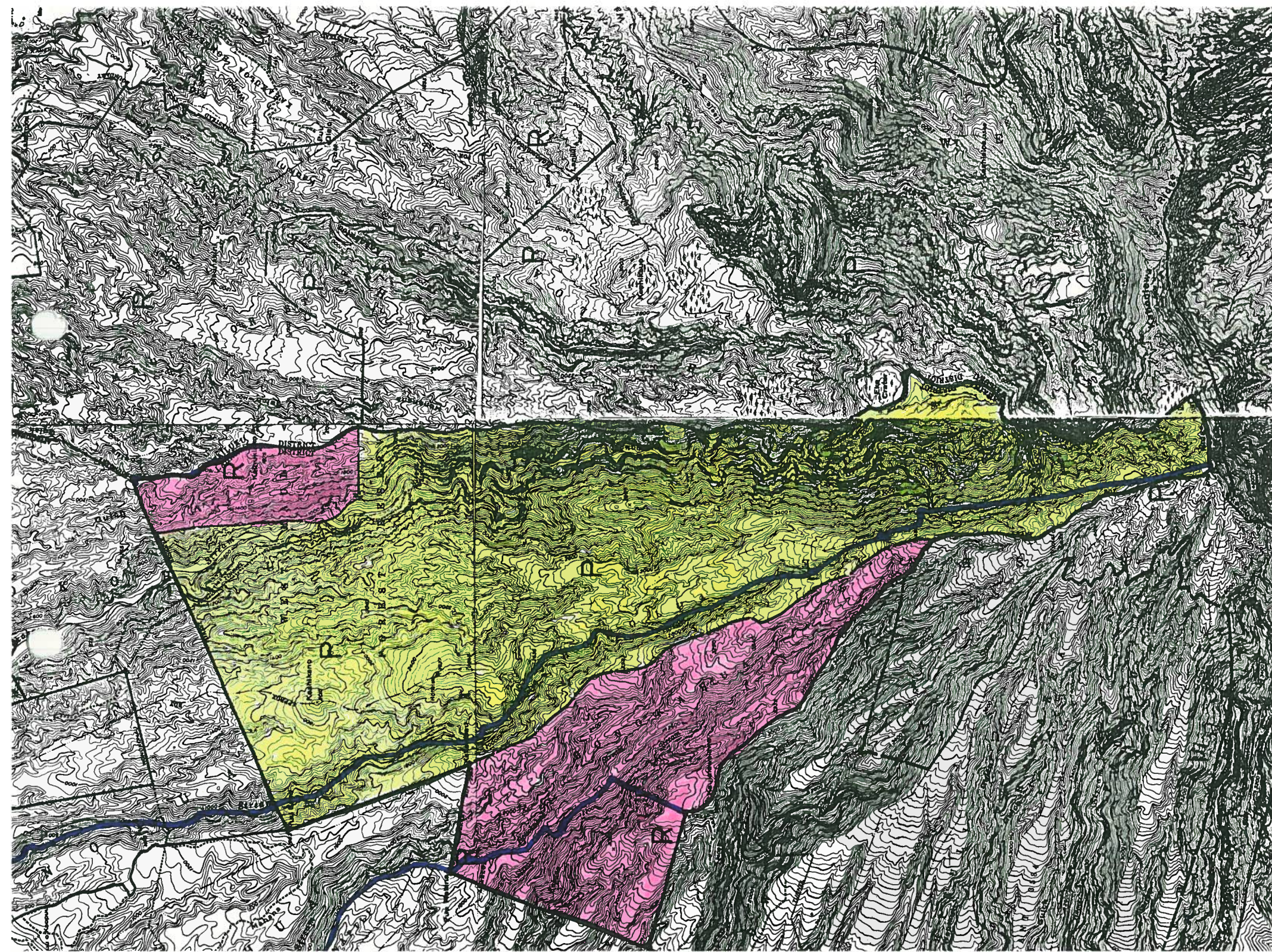
SUBZONE	PROTECTIVE	RESOURCE	LIMITED	GENERAL
				



CDUA no. MA-2/4/88-2111
APPLICANT MAUI LAND AND PINEAPPLE CO.
AGENT 4-1-1:17. & 4-2-1:1 & 4-3-1:17
TMK

EXHIBIT E

SUBZONE
PROTECTIVE
RESOURCE
LIMITED
GENERAL



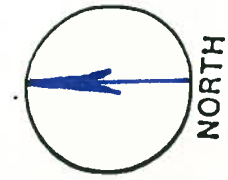
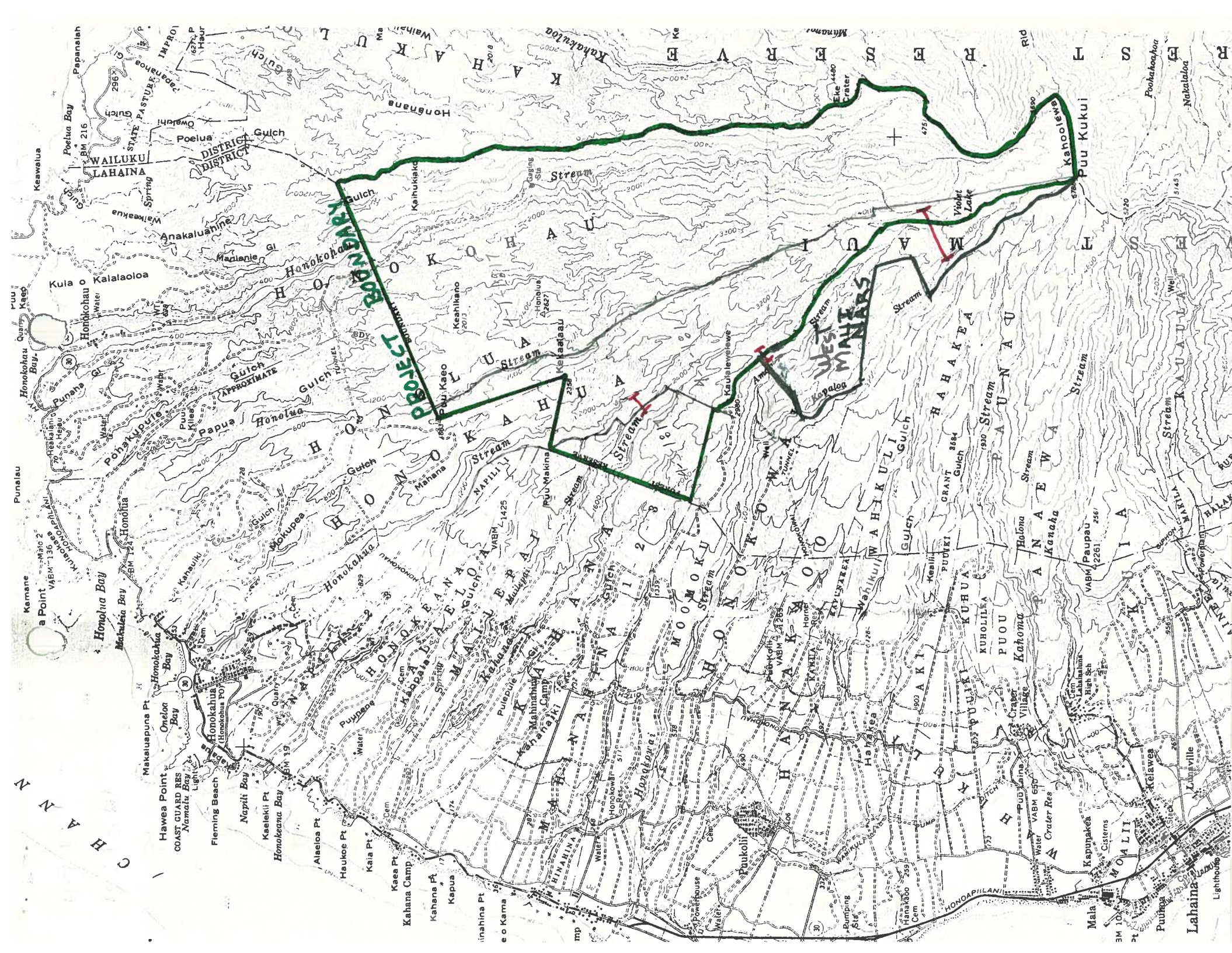


CDUA no. MA-2/4/88-2111
APPLICANT MAUI LAND AND PINEAPPLE CO.
AGENT
TMK 4-I-I:17. & 4-2-1:1 & 4-3-1:17

EXHIBIT F

PROTECTIVE
RESOURCE
LIMITED
GENERAL

SUBZONE



CDUA no. MA-2/4/88-2111

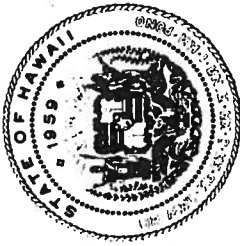
APPLICANT MAUI LAND AND PINEAPPLE CO.

AGENT

TMK 4-1-1:17. & 4-2-1:1 & 4-3-1:17

EXHIBIT G

-  PROTECTIVE
-  RESOURCE
-  LIMITED
-  GENERAL



SPECIAL USE PERMIT
NATURAL AREA RESERVES SYSTEM
DEPARTMENT OF LAND AND NATURAL RESOURCES
1151 PUNCHBOWL STREET, HONOLULU, HAWAII 96813

EFFECTIVE DATE: February 16, 1988
EXPIRATION DATE: December 31, 1989

RESERVE: Honokowai Section,
West Maui reserve

The Board of Land and Natural Resources, as approved by the Natural Area Reserves System Commission, hereby issues this Special-Use Permit in accordance with Section 195-5, Hawaii Revised Statutes, and Section 13-209-5, Department Administrative Rules, to

Mr. Doug Schenk, Plantation Manager
Maui Land & Pineapple Co., Inc.
RR1, Box 445-C
Lahaina, HI 96761

for the purpose of installing and maintaining strategically situated pig-control fences from Maui Land & Pineapple Co.'s land of Honokahua into the Honokowai Section of the West Maui Natural Area Reserve. At first there will be two fences, 30 to 400 feet long. The degree of control achieved and how pig movement has been altered by the two fences will determine the positioning of additional fences. Transportation of materials and construction personnel will be by helicopter.

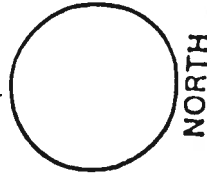
Conditions

1. Removal of vegetation will be kept to a minimum.
2. Nothing will be left in the reserve except for the constructed fences.
3. Precautions will be taken to prevent introduction of plants or animals not naturally present in the project area. Should there be an infestation, it will be eradicated--with methods specified by NARS--whether it occurs during the permit period or after its expiration, and even though it may be only indirectly attributable to the project activities.
4. This permit is non-transferable.
5. This permit does not exempt the permit holder from complying with any other applicable rule or statute.
6. The State of Hawaii shall be held harmless for death or injury to persons, or damage to property, which may occur from any activity related to this permit.



Chairperson
Board of Land and Natural Resources

Permit Holder



CDUA no. MA-2/4/88-2111

APPLICANT MAUI LAND AND PINEAPPLE CO.

AGENT

TMK 4-1-1:17.. & 4-2-1:1 & 4-3-1:17

EXHIBIT H

☒ SUBZON
☒ PROTECTIVE
☒ RESOURCE
☐ LIMITED
☐ GENERAL

188



Maui Pineapple Company, Ltd.

RECEIVED
08 JAN 12 PM 12:34
DEPT. OF LAND
& NATURAL RESOURCES
STATE OF HAWAII

MA 2/11/1

CERTIFIED MAIL

January 11, 1988

Mr. William W. Paty
Chair-person
DLNR
Box 621
Honolulu, HI 96809

Dear Mr. Paty:

Enclosed are applications to construct fences in a conservation district on Maui Land & Pineapple Company's property.

Our objective is to protect the watershed and native vegetation from destruction by feral pigs.

We would like to begin on this project as soon as possible.

If you have any questions I can be reached at 669-8416.

Sincerely,

Doug Schenk
Doug Schenk
Plantation Superintendent

/jt
enclosures

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

RJR DLNR USE ONLY

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Reviewed by

Date

Accepted by

Date

'88 JAN 13 PM 2

Docket/File No.

180-Day Exp.

EIS Required

PH Required

Board Approved

Disapproved

Well No.

DLNR
OCEA

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

Maui Land & Pineapple Co., Inc.

Address

RRL, Box 445-C

Lahaina, HI 96761

Name

Maui Land & Pineapple Co., Inc.

Address

RRL, Box 445-C

Lahaina, HI 96761

Telephone No. 669-8416

Telephone No. 669-8416

SIGNATURE

Doug Schenk, Plantation Mgr.
January 6, 1987

Date

Interest in Property fee owner of adjacent
property to State Natural Area Reserve.

(Indicate interest in property; submit
written evidence of this interest)

*SIGNATURE

Doug Schenk, Plantation Mgr.
January 6, 1987

Date

III. TYPE OF PERMIT(S) APPLYING FOR

() A. State Lands

(xx) 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 Lahaina

Island Maui

County Maui

Tax Map Key 4-1-1-17, Honokahua
4-2-1-1, Honokahua

Area of Parcel 1950+5780=7730 total

(Indicate in acres or
sq. ft.)

Term (if lease) N/A

V. Environmental Requirements Refer to following three pages.

Pursuant to Chapter 343, Hawaii Revised Statutes, and in accordance with Section 1:30B of the EIS Regulations 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:

- A. Identification of application;
- B. Description of proposed use and statement of objectives;
- C. Description of affected environment, including appropriate maps and plans to show location, topography, site improvements, existing utilities and vegetation and archaeological/historical sites, if any. (See page 5, section I).
- D. General description of the technical, economic, social and environmental characteristics of the proposed use.

NOTE:

The Environmental Assessment may be substituted in lieu of the information required above.

V. Environmental Requirements

A. Identification of applicant: Maui Land & Pineapple Co., Inc., is a Maui based agriculture company engaged in pineapple production. The applicant is also a major landowner in West Maui, site of project area.

B. Description of proposed use and statement of objectives: The purpose of this proposed action is to protect the watershed and native vegetation of the project area and surrounding environs from destruction by feral pigs and other exotic ungulates. This project is divided into two phases.

In phase one three (3) fences of varying length will be constructed on ridge tops at strategic locations to prevent further access to higher elevations by feral pigs. Since there is sign of pig damage as high as 5400 feet elevation, the fences will include one way gates. These gates will allow any pigs trapped above the fences to escape makai, but will not allow them to go mauka.

In phase two the success of the fences will be determined.

It is anticipated that the phase one fences will alter the travel patterns of the pigs. If the pigs are still able to get above the phase one fences, then more fences will be constructed to block any new paths developed by the pigs. Also during phase two any remnant pigs left above the phase one fences will be removed. This removal will be accomplished by utilizing currently accepted pig removal techniques used by the State and Federal Agencies.

C. Description of the affected environment: The boundary of the project area (see attached map) begins at Puu Kukui (elevation 5788 feet) which is the summit of West Maui. From Puu Kukui the boundary proceeds easterly and then northerly along the Wailuku-Lahaina District boundary to the intersection of the District boundary and the Forest Reserve (also Conservation District) boundary on the east side of Honokahau Gluch at approximately 1300 feet elevation. Thence the boundary proceeds westerly and then southerly along the Forest Reserve boundary to Kaulalewelewe, the site of the applicant's Haalaeu cabin. Thence the boundary is marked by a trail (maintained by the applicant) that proceeds mauka and back to the summit of Puu Kukui. The adjacent landowner on the south side of this trail is the State. At elevation 3235 feet on the south side of the trail begins the Honokawai Section of the West Maui Natural Area Reserve which ends at Puu Kukui.

The vegetation of the project area is primarily montane wet ohia forests with dense fern and shrub understory. The terrain is steep with narrow ridges in places. Other features of the area include bogs, montane lake (Violet Lake), rare plants, and forest bird habitat.

Puu Kukui is a large, more or less flat plateau, composed of light-grey, heavy, loamy soil. The vegetation is stunted except in depressions or small gulches, where there is protection from the wind. Puu Kukui is similar to Waialeale of Kauai and has an

annual average rainfall of 400 inches. This area contains tussocks of Oreobolus furcatus, and the interesting Carex montis Eeka as well as Deschampsia australis. Calamagrostis Hillebrandii, and Luzula hawaiiensis. One of the most striking vegetative features of this area is the beautiful Lobelia Guadichaudii which covers the ground in many areas. Other plants in the area include the interesting Argyroxiphium caliginis (silversword), Lagenophora mauiensis, Acaena exigua, Viola mauiensis, Lycopodium venustum, and Styphelia imbricata. Several species of lichens grow in the exposed loam, such as Cladonia, Stereocaulon, and others. At the edges of the bogs, tree growth is primarily represented by Cheirodendron Gaudichaudii, Suttonia, Pelea, Metrosideros polymorpha, and the lobelioid Clermontia grandiflora. While many species of plants in the area are rare, none are officially listed as Endangered or Threatened.

There are no utilities and no known archaeological/historical sites. Locations of phase one fences are marked on the attached map in red.

D. General description of the action's technical characteristics: The proposed action is the construction of pig resistant fences that will prevent access to the area by feral pigs. The fences will be from 30 to 400 feet long depending on the exact location of each fence. It will take at least two days to complete the longer fences with transport to the area by helicopter. Determination of the exact fence line will be made on the first day. At this time the fence line will be measured and marked. On the second day materials and workers will be dropped off at the site by helicopter. The fences will be constructed of galvanized steel materials to insure a long life, estimated at between 20 and 30 years. 47" high woven wire (hog wire) will be clipped to 8' high metal "T" posts placed no more than 10 feet apart. A single strand of barbed wire will run at ground level and be clipped to the posts. This will inhibit pig rooting. Posts will be pounded into the ground 3 to 4 feet deep leaving a post 4 to 5 feet above the ground. Precautions will be taken by fencebuilders prior to entering the area so as not to introduce exotic plants. Any plant accidentally introduced will be eradicated. Due to the weather conditions in the area it may take up to one year to complete the phase one fences.

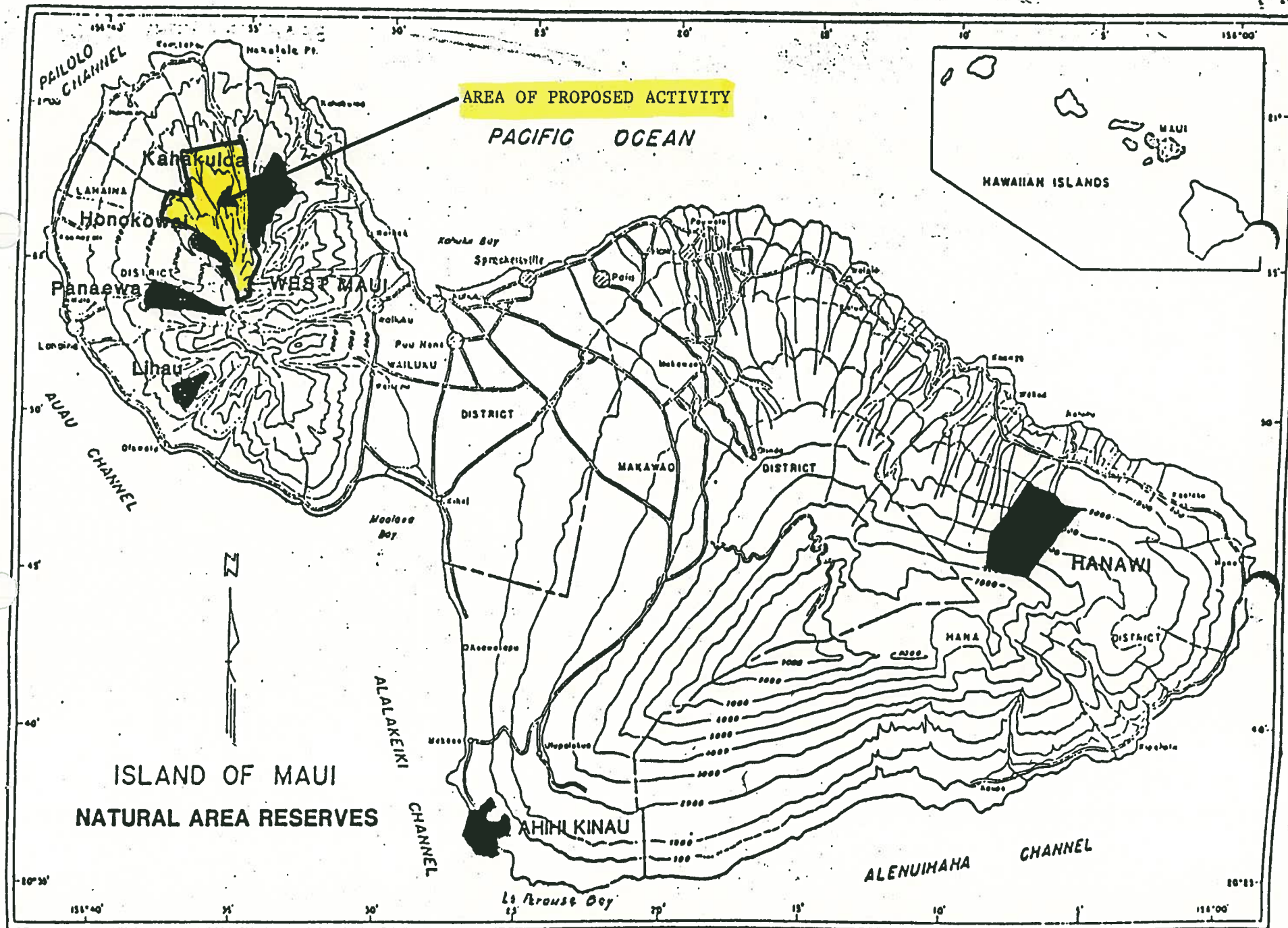
General description of the action's economic characteristics: Estimated cost of the fence is approximately \$15.00 per foot. The construction will be done by local fence builders on contract.

General description of the action's social characteristics: No major significance. No public recreational activities occur in the area. The project does have public educational potential.

The environmental characteristics of the proposed use are covered in other parts of this application.

Identification of consulted agencies/parties:

1. Division of Forestry & Wildlife
Department of Land & Natural Resources
P.O. Box 1006
Wailuku, HI
Robert Hobdy, Assistant District Forester
2. Haleakala National Park
P.O. Box 369
Makawao, HI
Ron Nagata, Resources Management Chief
3. State Department of Agriculture
635 Mua Street
Kahului, HI
Patrick Conant, Entomologist
4. Peter J. Connally, Animal Damage Control Consultant
2765 Iolani Street
Pukalani, HI
5. Terry Quisenberry, Animal Damage Control Consultant
895 West Kuiaha Road
Haiku, HI



INFORMATION REQUIRED FOR ALL USES

Refer to following page also.

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 sewerage).
- 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: January, 1988 or upon approval

Completion Date: Continuous

IV. TYPE OF USE REQUESTED (Mark where appropriate)

1. Permitted Use (exception occasional use);
DLNR Title 13, Chapter 2, Section 4; Subzone P & R.
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 .

INFORMATION REQUIRED FOR ALL USES

I. Description of Parcel

- A. Existing use is watershed. There are no existing structures.
- B. There are no existing utilities.
- C. Existing access. There is a foot trail starting at Kaulaewelewe and ending at Puu Kukui. This trail is maintained by the applicant for the purpose of reading the rainuague at Puu Kukui. There is no public access.
- D. Vegetation is described elsewhere in this application.
- E. Topography is described elsewhere in this application.
- F. Does not apply.
- G. There are no existing covenants, easements or other restrictions.
- H. There are no historic sites in the project area.

- II. Description: A description of the proposed activity, purpose and operations is included in the preceeding "Environmental Requirements".

Area of Proposed Use 30 acres total
(Indicate in acres or sq. ft.)

Name & Distance of Nearest Town or Landmark
Puu Kukui, seven (7) miles from farthest part of project area.

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 P & R
County General Plan Designation NONE

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).