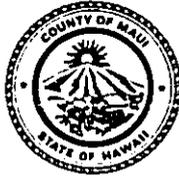


JAMES "KIMO" APANA
Mayor

JOHN E. MIN
Director

CLAYTON I. YOSHIDA
Deputy Director



COUNTY OF MAUI
DEPARTMENT OF PLANNING RECEIVED

July 29, 2002

02 AUG 12 P2:03

OFFICE OF ENVIRONMENTAL
QUALITY CONTROL

Ms. Genevieve Salmonson, Director
Office of Environmental Quality Control (OEQC)
235 South Beretania Street, Suite 702
Honolulu, Hawaii 96813

Dear Ms. Salmonson:

RE: Finding of No Significant Impact (FONSI) for the Replacement of a
Drain Line within the Shoreline Setback Area at 291 East Front Street,
Lahaina, Maui, Hawaii, TMK: 4-6-003: 004 (SMX 2001/0073)
(SSV 2001/0003)(EA 2002/0002)

The Maui Planning Department has reviewed the comments received during the 30-day public comment period which began on June 8, 2002. The agency has determined that this project will not have significant environmental effects and has issued a FONSI. Please publish this notice in the August 23, 2002, OEQC Environmental Notice.

We have enclosed a completed OEQC Publication Form and four copies of the Final EA.

If you have any questions, please contact Mr. Matt Niles, Staff Planner, of this office at 270-7735.

Very truly yours,

A handwritten signature in black ink, appearing to read "John E. Min".

JOHN E. MIN
Planning Director

JEM:MCN:jay
Enclosures

c: Clayton Yoshida, AICP, Deputy Planning Director
Arnold Ambrose, Engineering Dynamics Corp.
Matt Niles, Staff Planner
Project File
General File

K:\WP_DOCS\PLANNING\SSV\Matt\Burkhauter Drainage\fonsi.wpd

250 SOUTH HIGH STREET, WAILUKU, MAUI, HAWAII 96793
PLANNING DIVISION (808) 270-7735; ZONING DIVISION (808) 270-7253; FACSIMILE (808) 270-7634

Quality Seamless Service - Now and for the Future

A small, handwritten mark or signature in the bottom right corner of the page.

AUG 23 2002

FILE COPY

2002-08-23-MA-FEA-

Albert C. (Burkhalter-Drain Line Replacement)

FINAL ENVIRONMENTAL ASSESSMENT

Prepared for Mr. & Mrs. Albert C. Burkhalter

by

ENGINEERING DYNAMICS CORP.

66 Wailani Street

Wailuku, Maui, Hawaii 96813

(808) 242-1644

(808) 242-0838

E-Mail edc @ maui.net

Albert C. Burkhalter-Drain Line Replacement

FINAL ENVIRONMENTAL ASSESSMENT

**County Community
Plan Designation:Single Family and Project District**

County Zoning:R-3

**Landowner:Mr. Albert C. Burkhalter
TMK: (2) 4-6-003:004**

SUMMARY

This project consist of the removal of an existing 18" drain line ,and the installation of a new 24" drain line within a new realigned drainage easement.

The existing drain line presently crosses the subject property at a slight diagonal. The new enlarged drain line will be aligned to run parallel to the property line, thereby making the property more useable.

The drain line is being increased in size to conform to current County standards. The new drain line will terminate in the exact same location as the existing drain line which is at the south face of the existing sea wall.

Addressing major impacts and mitigating measures, there will be an increase in airborne and noise emission level during construction. The effect of noise will be mitigated by ensuring compliance with provisions of all applicable State Department of Health noise standards. Other mitigating measures shall include restricting the hours of operation, minimizing the use of heavy vehicles be equipped width mufflers. Grassing shall take place immediately after the drain line have been backfilled. Erosion and dust control measures include dust control by sprinkling,

slit fences, and sediment traps on the down slope areas.

Short term benefits include the employment of several construction trades and sales of building materials during the construction phase.

In the event that archeological remains are uncovered, all construction work will cease and the State Historic Preservation Office will be notified. There are no known endangered species of animal or plants within the project limits .

Long term impacts are beneficial to the drainage system in the area. At present, the existing 18" drain line is substandard. The project will be a deterrent to possible flooding through private property and an aid toward insuring the property owners health and safety.

Considering other alternatives, presently the existing drain line easement takes a diagonal direction through the property boundaries of TMK: (2)4-6-003:004. By realigning the new drain line parallel to the existing common boundary, will offer best use of private property. Also by bringing the existing drain line to conformity with the present County Standards serves the common good.

No action would not resolve the flooding of private property.

In finding, making and supporting a determination of FONSI, It was at the request of Mr. Albert Burkhalter that the configuration of the existing drainage system and related easements running through his property be realigned to alleviate hardship that it is creating on his plans to assist his ageing father with comfortable living quarters.

Significance Criteria

1. Involves and Irrevocable Commitment to Loss or Destruction of any Natural or Cultural Resources:
There are no natural or cultural resources at risk on the proposed site. The site is presently accommodates a private residence and the work proposed is below grade and the replacement of an existing drain line.
2. Curtails the range of beneficial uses of the environment:
The public is not granted access to the proposed project site, which is designated private residential use. The present use is consistent with the County's Community Plan designation: Single family with County Zoning of R-3 and would not curtail beneficial use of the surrounding environment.
3. Conflicts with the County's of State's Long-Term Environmental Policies or Goals:
The proposed project is consistent with State and County zoning and wiht the County General Plan. No long-term environmental conflicts are likely to result from the project
4. Substantially Affects the Economic or Social Welfare and Activities of the Community, County or State:
The propose project will produce improved community conditions, by bringing the community drainage system in conformance with County Standards.
5. Substantially Affects public health:
The proposed project will improve the public health by improving the community infrastructure.

6. Involves Substantial Secondary Impacts, Such as Population Changes and Increased Effects on Public Facilities, Streets, Drainage, Sewerage, and Water Systems, and Pedestrian Walkways.

The proposed project will have beneficial effects on the existing infrastructure; The proposed project will result in the increase ability to control possible flooding with the increase in size of the existing drain line from 18" to 24". No public-use facilities, pedestrian walkways, or other public functions will be impaired or obstructed.

7. Involves a substantial degradation of environmental quality;

The proposed project will help to support the environmental quality of the community by the improvement of the drainage infrastructure in the project area

8. Is individually limited but Cumulatively has Considerable Effect upon the Environment or Involves a Commitment for Larger Actions;

The proposed project involves below grade construction with the purpose of increasing an existing 18" drain line to 24" and realigning an existing County drainage easement parallel to existing boundaries. No adverse affects are probable.

9. Substantially affects a rare, threatened, or endangered species, or its habitat;

There are no known rare, threatened or endangered species on the proposed project site.

10. Detrimentially affects air or water quality or ambient noise levels;

The project will not have adverse affect to the quality of air or water in the community. Noise levels will be mitigated by ensuring compliance with

provisions of all applicable State Department of Health noise standards.

11. Affects or is likely to suffer damage by being located in and environmentally sensitive area such as a flood plain, tsunami zone, beach, erosion-prone area, geologically hazardous land, estuary, fresh water, or coastal waters.
The proposed project is an improvement to the existing infrastructure and while located in a sensitive area, is intended to not contribute to any damage.
12. Substantially affects scenic vistas and viewplanes identified in county or state plans or studies;
All of the work in the proposed project will be below finish grade when completed. No scenic vistas or viewplanes will be affected by this project.
13. Requires substantial energy consumption
The proposed project will draw minimum energy consumption over the 90 day scheduled project duration.

Appendix A

Agencies Consulted and responses

Permits required and applied for(awaiting OEQC aproval before processing may proceed.)

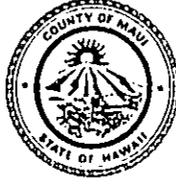
- 1. Shoreline Setback Variance**
- 2. Minor SMA Permit Application**

Response to possible cultural practices at the site location.

JAMES "KIMO" APANA
Mayor

JOHN E. MIN
Director

CLAYTON I. YOSHIDA
Deputy Director



RECEIVED

FEB 11 2002

COUNTY OF MAUI
DEPARTMENT OF PLANNING

ENGINEERING DYNAMICS CORP.

TRANSMITTAL:

TO: State Agencies

- Dept of Health, Maui (2)
- Dept of Health, Honolulu
- Dept of Transportation,
Statewide Plnng Off(3)copies
- DLNR (5 copies)
- DLNR-Historic Preservation Div.
- DLNR-Maui Office
- Dept of Agriculture, Honolulu
- Dept of Agriculture, Maui
- DAGS, Survey Division (SMA Only)
- DOE, Office of Business Services
- State Land Use Commission
- DBEDT
- D3EDT, Office of Planning
- Dept of Hawaiian Home Lands

Date: February 7, 2002

County Agencies

- DPW&WM, LUCA (5 copies)
 - Public Wrks & Wste Mgmt.
 - Water Department
 - Parks and Recreation
 - Fire Dept
 - Police Department
 - Housing & Human Concerns
 - Corporation Counsel
 - County Clerk
 - Mayor's Office
 - Finance Dept
 - Civil Defense (CPA/CIZ only)
- Federal:
- Natural Resources
 - Conservation Service- Maui

SUBJECT: I.D.: SMX 2001/0073, SSV 2001/0003

TMK: 4-6-003:004

Project Name: Drain Line Replacement at the Burkhalter Residence

Applicant: Mr. Albert C. Burkhalter

TRANSMITTED TO YOU ARE THE FOLLOWING:

Application

THESE ARE TRANSMITTED AS CHECKED BELOW:

For Your Comment/Recommendation

Please address your comments/recommendations directly to Matt Niles by March 7, 2002.
Remarks: If additional clarification is required, please contact me at 270-7735.

For Matt Niles, Staff Planner
JOHN E. MIN, Planning Director

JEM:MCN:smb

c: Clayton Yoshida, AICP, Deputy Planning Director

Arnold Ambrose, Engineering Dynamics

Matt Niles, Staff Planner

Project File

General File

S:\ALL\Matt\ssv\Burkhalter Drainage\agency_transmittal.wpd

250 SOUTH HIGH STREET, WAILUKU, MAUI, HAWAII 96793

PLANNING DIVISION (808) 270-7735; ZONING DIVISION (808) 270-7253; FACSIMILE (808) 270-7634

FILE COPY

Quality Seamless Service - Now and for the Future

May-23-02 03:05pm From-DEPT OF PLANNING COUNTY OF MAUI

808-242819

T-264 P.03/03 F-393

JAMES "KIMO" APANA
Mayor

DAVID C. GOODE
Director

MILTON M. ARAKAWA, A.I.C.P.
Deputy Director

Telephone: (808) 270-7845
Fax: (808) 270-7955



RALPH NAGAMINE, L.S., P.E.
Land Use and Codes Administration

TRACY TAKAMINE, P.E.
Wastewater Reclamation Division

LLOYD P.C.W. LEE, P.E.
Engineering Division

BRIAN HASHIRO, P.E.
Highways Division

JOHN D. HARDER
Solid Waste Division

COUNTY OF MAUI
DEPARTMENT OF PUBLIC WORKS
AND WASTE MANAGEMENT
200 SOUTH HIGH STREET
WAILUKU, MAUI, HAWAII 96793

'02 MAR 21 P2:43

DEPT. OF PLANNING
COUNTY OF MAUI
RECEIVED

March 19, 2002

MEMO TO: JOHN E. MIN, PLANNING DIRECTOR

FROM: *David Goode* DAVID GOODE, DIRECTOR OF PUBLIC WORKS AND WASTE
MANAGEMENT *John E. Min*

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT
REPLACEMENT & REALIGNMENT OF EXISTING DRAIN LINE FOR
ALBERT C. BURKHALTER
TMK: (2) 4-6-003:004
SMX 2001/0073 & SSV 2001/0003

We have reviewed the subject application and have the following comments:

1. Existing sewer laterals should be shown on final plat.
2. Civil Plan C-1 shows two (2) palms planted on the shoulder in the vicinity of the new shallow drop manhole. These two (2) palms shall be removed to prevent its roots from infiltrating and blocking the new drain.
3. The CRM wall which extends from the larger existing building over the drainage easement shall be removed or the owner shall be advised that the wall may be removed without compensation should the drainage pipe need to be repaired in the future.

If you have any questions regarding this memorandum, please call Milton Arakawa at Ext. 7845.

MA:jso
S:\LUCA\CM\Albert Burkhalter.wpd

Quality Seamless Service – Now and for the Future

BENJAMIN J. CAYETANO
GOVERNOR OF HAWAII



GILBERT S. COLOMA-ADARAN, CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCES MANAGEMENT

DEPUTIES
ERIC T. HIRANO
LINNEL NISHIOKA

STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES

HISTORIC PRESERVATION DIVISION
KAKULIHEWA BUILDING, ROOM 556
601 KAMOKILA BOULEVARD
KAPOLEI, HAWAII 96707

AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
COMMISSION ON WATER RESOURCE
MANAGEMENT
CONSERVATION AND RESOURCES
ENFORCEMENT
CONVEYANCES
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
LAND
STATE PARKS

HAWAII HISTORIC PRESERVATION
DIVISION REVIEW

Log #: 29420
Doc #: 0203CD18

Applicant/Agency: Mr. John E. Min, Planning Director
Address: County of Maui
Department of Planning
250 South High Street
Wailuku, Hawaii 96793

SUBJECT: Chapter 6E-42 Historic Preservation Review Pertaining to a Draft
Environmental Assessment for the Proposed Replacement
Realignment of Existing Drain Line
(Subject I.D.: SMX: 2001/0073, SSV 2001/003)

Ahupua'a: Kuia
District, Island: Lahaina, Maui
TMK: (2) 4-6-004:003

DEPT OF PLANNING
COUNTY OF MAUI
RECEIVED
02 MAR 18 P2:38

1. We believe there are no historic properties present, because:

- a) intensive cultivation has altered the land.
- b) residential development/urbanization has altered the land.
- c) previous grubbing/grading has altered the land.
- d) an acceptable archaeological assessment or inventory survey found no historic properties.
- e) other: In the event that historic remains (human skeletal remains, etc.) are inadvertently encountered during the construction activities, all work needs to cease in the immediate vicinity of the find, the find needs to be protected from additional damage, and the State Historic Preservation Office needs to be contacted immediately at 243-5169, on Maui, or at 692-8023, on O'ahu.

Thus, we believe that "no historic properties will be affected" by this undertaking

2. This project has already gone through the historic preservation review process, and mitigation has been completed .

Staff: Cathleen A. Dagher Date: 14 March 2002
Cathleen A. Dagher, Assistant Maui/Lana'i Island Archaeologist
(808) 692-8023

Bunt & Ann Burkhalter

June 26, 2002

Arnold Ambrose
Engineering Dynamics
66 Wailani St
Wailuku, HI 96798

Dear Arnold,

In response to your question concerning cultural practices on our land: We have lived here for 8 years and I have spoken with two families who lived here before. One family lived in the house for approximately 35 years just before us and the other family for about 40 years before that. I asked them both to tell me all about the history of the house and there was no mention of any cultural practices in the last 83 years.

Sincerely,



ES "KIMO" APANA
Mayor

JOHN E. MIN
Director

MYTON I. YOSHIDA
Deputy Director



COUNTY OF MAUI
DEPARTMENT OF PLANNING

ZONING AND FLOOD INFORMATION REQUEST FORM

APPLICANT Mr. Albert C. Burkhalter

PROJECT NAME Burkhalter Drainline Replacement

ADDRESS 291 Front Street Lahaina Maui, Hi. 96761

TMK: 4-6-03:4

FOR COUNTY USE ONLY

ZONING INFORMATION

STATE LAND USE URBAN COMMUNITY PLAN SINGLE FAMILY

COUNTY ZONING R-3

FLOOD INFORMATION

FLOOD HAZARD AREA * ZONE A-4

BASE FLOOD ELEVATION 8' mean sea level, 1929 National Geodetic
Vertical Datum or for Flood Zone A0, FLOOD DEPTH 8 feet.

FLOODWAY Yes or No

FLOOD DEVELOPMENT PERMIT IS REQUIRED Yes or No

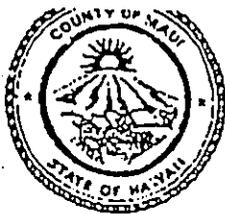
* For flood hazard area zones B or C; a flood development permit would be required if any work is done in any drainage facility or stream area that would reduce the capacity of the drainage facility, river, or stream, or adversely affect downstream property.

Zoning Administration and Enforcement Division

Date

S:\ZONING\ZONE_CHK\DOCS\FLDZNING.REG 3/00

FILE COPY



PLANNING DEPARTMENT
250 SOUTH HIGH STREET
WAILUKU, MAUI, HAWAII 96793

APPLICATION TYPE: SHORELINE SETBACK VARIANCE

(Rev. 8/95)

DATE: August 16, 2000

Burkhaulter Drainline
Replacement

PERMIT TYPE: _____

PROJECT NAME: _____

PROPOSED DEVELOPMENT: _____

TAX MAP KEY #: 4-6-03:4

HPR # _____

PROPERTY ADDRESS: 291 Front Street Lahaina, Maui, Hi. 96761

OWNER: Mr. Albert C. Burkhaalter

Phone: 667-5652

Address: 291 Front Street

City / State: Lahaina, Maui, Hi. Zip: 96761

Signature: AC Burkhaalter AC Burkhaalter

APPLICANT: SAME/OWNER

Phone (res): _____

Address: _____

Phone (work): _____

City / State: _____ Zip: _____

Signature: AC Burkhaalter AC Burkhaalter

CONTACT: SAME/OWNER

Phone (res): _____

Address Line 1: _____

Phone (work): _____

City / State: _____ Zip: _____

EXISTING USE OF PROPERTY: Single Family Residential

CURRENT STATE LAND USE DISTRICT BOUNDARY DESIGNATION: URBAN

COMMUNITY PLAN DESIGNATION: SINGLE FAMILY

MAUI COUNTY ZONING DESIGNATION: R-3

OTHER SPECIAL DESIGNATIONS: _____

FILE COPY



COUNTY OF MAUI
 DEPARTMENT OF PLANNING
 250 SOUTH HIGH STREET
 WAILUKU, MAUI, HAWAII 96793
 TELEPHONE: (808) 243-7735; FAX (808) 243-7634

**MAUI PLANNING COMMISSION
 SPECIAL MANAGEMENT AREA ASSESSMENT AND/OR
 MINOR PERMIT APPLICATION**

DATE: August 16, 2000

PERMIT TYPE: _____ PROJECT NAME: Burkhautler Drainline Replacement

PROPOSED DEVELOPMENT: _____

OX MAP KEY NO.: 4-6-03:4 CPR/HPR NO.: _____ LAND AREA: 13,124 Sq'

PROPERTY ADDRESS: 291 Front Street Lahaina, Maui, Hi. 96761

OWNER: Mr. Albert C. Burkhauler PHONE: 667-5652

ADDRESS: 291 Front Street

CITY: Lahaina, Maui, STATE: Hawaii ZIP CODE: 96761

SIGNATURE: _____

APPLICANT: SAME/OWNER

ADDRESS: _____

CITY: _____ STATE: _____ ZIP CODE: _____

PHONE (HOME): _____ PHONE (BUSINESS): _____ FAX: _____

SIGNATURE: _____

CONTACT: SAME/OWNER

ADDRESS: _____

CITY: _____ STATE: _____ ZIP CODE: _____

PHONE (HOME): _____ PHONE (BUSINESS): _____ FAX: _____

EXISTING USE OF PROPERTY: Single Family Residential

CURRENT STATE LAND USE DISTRICT BOUNDARY DESIGNATION: Urban

COMMUNITY PLAN DESIGNATION: Single Family

MAUI COUNTY ZONING DESIGNATION: R-3

OTHER SPECIAL DESIGNATIONS: _____

FILE COPY

Appendix B

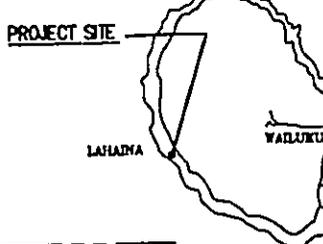
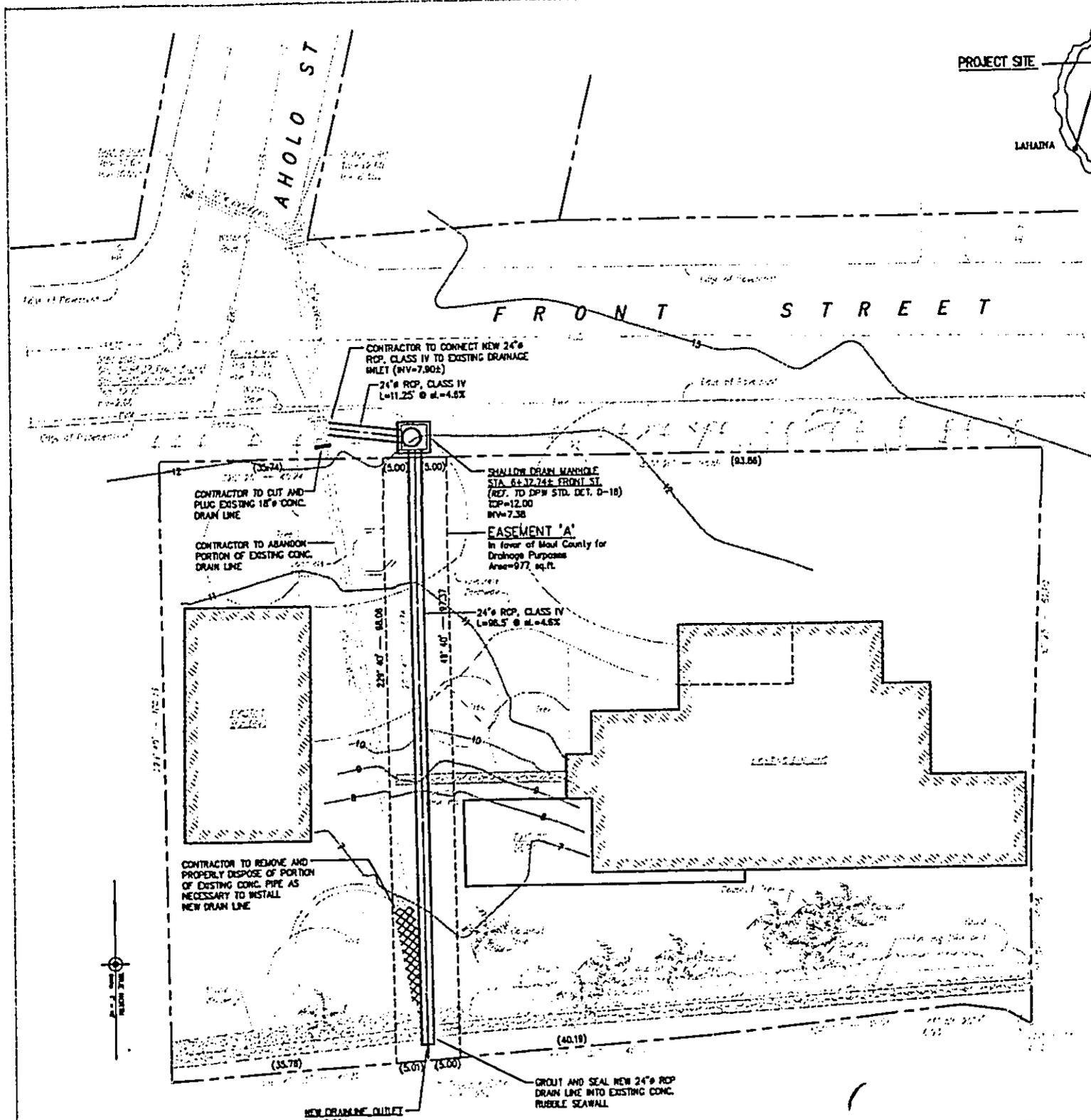
Maps:

project site map

Fema map

US Geological survey map

Shoreline certification map



CONSTRUCTION

1. CONTRACTOR SHALL OBTAIN PERMIT FROM THE CITY OF HONOLULU PRIOR TO COMMENCEMENT OF WORK.
2. STANDARD SPECIFICATIONS FOR CONSTRUCTION OF STORM DRAINAGE SHALL BE USED UNLESS OTHERWISE SPECIFIED.
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR BRIDGE AND ROADWAY CONSTRUCTION, LATEST EDITION, AS APPLICABLE.
4. IF EXISTING UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL STOP WORK AND NOTIFY THE ENGINEER IMMEDIATELY.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES TO REMAIN AND FOR THE PROTECTION OF TRAFFIC AND PEDESTRIANS DURING CONSTRUCTION.
6. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND FOR THE PROTECTION OF ALL UTILITIES TO REMAIN.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN AND FOR THE PROTECTION OF TRAFFIC AND PEDESTRIANS DURING CONSTRUCTION.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN AND FOR THE PROTECTION OF TRAFFIC AND PEDESTRIANS DURING CONSTRUCTION.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN AND FOR THE PROTECTION OF TRAFFIC AND PEDESTRIANS DURING CONSTRUCTION.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN AND FOR THE PROTECTION OF TRAFFIC AND PEDESTRIANS DURING CONSTRUCTION.
12. IF THE CONTRACTOR ENCOUNTERS ANY UTILITIES NOT SHOWN ON THE PLANS, HE SHALL STOP WORK AND NOTIFY THE ENGINEER IMMEDIATELY.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN AND FOR THE PROTECTION OF TRAFFIC AND PEDESTRIANS DURING CONSTRUCTION.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN AND FOR THE PROTECTION OF TRAFFIC AND PEDESTRIANS DURING CONSTRUCTION.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN AND FOR THE PROTECTION OF TRAFFIC AND PEDESTRIANS DURING CONSTRUCTION.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN AND FOR THE PROTECTION OF TRAFFIC AND PEDESTRIANS DURING CONSTRUCTION.

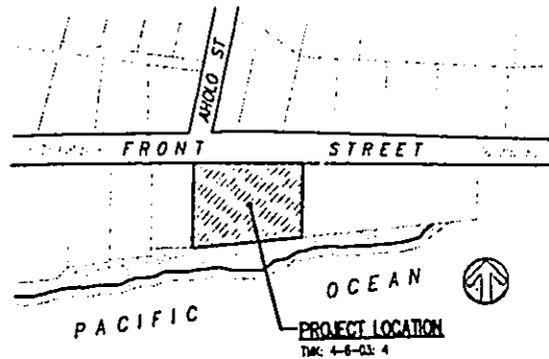
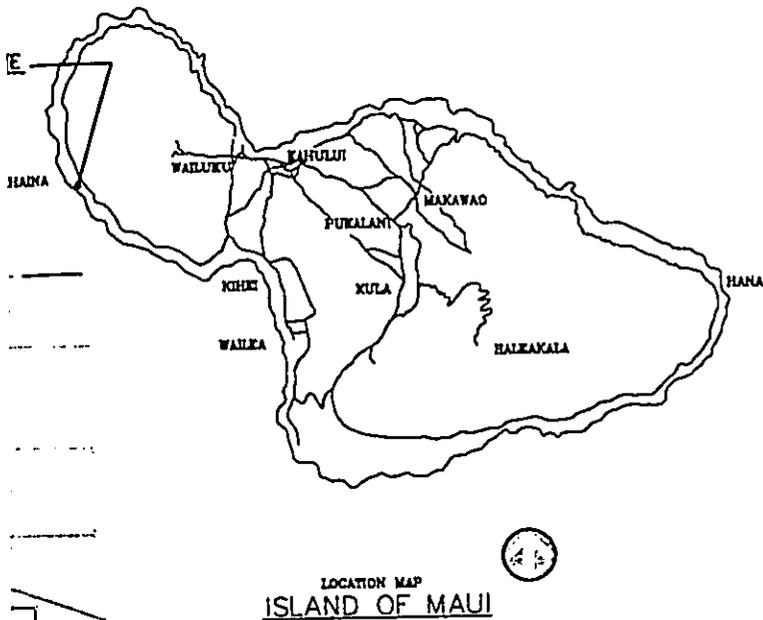
- NOTE:**
1. CONTRACTOR SHALL VERIFY THE EXACT LOCATION, DEPTH, AND TYPE OF VARIOUS UTILITIES SHOWN AND THOSE NOT SHOWN ON PLANS PRIOR TO COMMENCEMENT OF WORK.
 2. CONTRACTOR SHALL RESTORE TO EXISTING OR BETTER CONDITION ANY WALLS, WALKWAYS, PLANTERS, OR PORTIONS OF DRIVEWAY DAMAGED OR REMOVED DURING THE INSTALLATION OF THE NEW DRAIN LINE.

SITE UTILITY PLAN

SCALE: 1" = 10'

LIST OF ABBREVIATIONS

AC	ASPHALT CONCRETE	OPM	GALLONS PER MINUTE
BC	BOTTOM OF CURB	O.C.	ON CENTER
SW	BOTTOM OF WALL	PAYT	PAVEMENT
CONC.	CONCRETE	SDM	STORM DRAIN MANHOLE
CONT.	CONTINUOUS	SL	SLOPE
COTG	CLEANOUT TO GRADE	SPECS.	SPECIFICATIONS
ELEV.	ELEVATION	STA.	STATION
EXIST.	EXISTING	TC	TOP OF CURB
FIN.	FINISH	TF	TOP OF FENCE
FLR.	FLOOR	TS	TOP OF SLAB
FTG.	FOOTING	TW	TOP OF WALL
		TYP.	TYPICAL



CONSTRUCTION NOTES WITHIN THE COUNTY RIGHT-OF-WAY

1. CONTRACTOR SHALL OBTAIN "WORK TO PERFORM ON COUNTY ROADS PERMIT" FROM THE LAND USE & CODES ADMINISTRATION TWO (2) WEEKS PRIOR TO COMMENCEMENT OF WORK.
2. STANDARD DETAIL DRAWINGS AND STANDARD SPECIFICATIONS OF THE DEPARTMENT OF PUBLIC WORKS SHALL BE INCLUDED AS PART OF THE CONSTRUCTION PLANS. CONTRACTOR SHALL MAINTAIN A COPY OF THE CURRENT STANDARDS ON THE JOB SITE.
3. ALL CONSTRUCTION WORK SHALL STRICTLY CONFORM TO APPLICABLE SECTIONS OF THE "1994 HAWAII STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND PUBLIC WORKS CONSTRUCTION" AND THE SEPTEMBER 1984 "STANDARD DETAILS" FOR PUBLIC WORKS CONSTRUCTION OF THE DEPARTMENT OF PUBLIC WORKS.
4. IF EXISTING UTILITIES, WHETHER OR NOT SHOWN ON PLANS, ARE DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL AT HIS OWN EXPENSE BE REQUIRED TO REPAIR SUCH UTILITIES.
5. CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN ALL NECESSARY SIGNS, LIGHTS, FLARES, BARRICADES, AND OTHER PROTECTIVE DEVICES FOR THE PROTECTION, SAFETY AND CONVENIENCE OF THE PUBLIC, ACCORDING TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", 1988, AND TO RULES AND REGULATIONS GOVERNING USE OF TRAFFIC CONTROL DEVICES AT WORKSITES AND/OR ADJACENT TO PUBLIC STREETS AND HIGHWAYS ADOPTED BY THE HIGHWAY SAFETY COORDINATOR AND THE U. S. FEDERAL HIGHWAY ADMINISTRATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS", 1980.
6. THE DIRECTOR OF PUBLIC WORKS AND/OR THE DIRECTOR OF THE DEPARTMENT OF WATER SUPPLY HAVE THE RIGHT TO STOP CONSTRUCTION SHOULD ANY WORK BE FOUND CONTRARY TO THE APPROVED CONSTRUCTION PLAN OR DETRIMENTAL TO THE PUBLIC'S INTEREST.
7. CONTRACTOR SHALL SCHEDULE A PRECONSTRUCTION MEETING WITH THE LAND USE & CODES ADMINISTRATION FIVE (5) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
8. CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP PROJECT AREA AND SURROUNDING AREA FREE FROM DUST, NUISANCE, WORK SHALL CONFORM TO AIR POLLUTION CONTROL STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HEALTH AND THE COUNTY GRADING ORDINANCE.
9. CONTRACTOR SHALL REMOVE ALL SILT AND/OR DEBRIS RESULTING FROM HIS WORK AND DEPOSITED IN DRAINAGE FACILITIES, ROADWAYS AND/OR OTHER AREAS. THE COST INCURRED FOR ANY NECESSARY REMEDIAL ACTION ORDERED BY THE DIRECTOR OF PUBLIC WORKS SHALL BE PAID BY THE CONTRACTOR.
10. CONSTRUCTION DEBRIS AND WASTES SHALL BE DEPOSITED AT AN APPROPRIATE WORK SITE. CONTRACTOR SHALL INFORM THE DIRECTOR OF PUBLIC WORKS OF THE LOCATION OF THE DISPOSAL SITES. THE DISPOSAL SITE MUST FULFILL THE REQUIREMENTS OF THE GRADING ORDINANCE.
11. CONTRACTOR SHALL SUBMIT A MICROFILM COPY AND SIX (6) COPIES OF AS-BUILT DRAWINGS PRIOR TO FINAL APPROVAL OF IMPROVEMENTS.
12. IF THE CLEARANCE BETWEEN A WASTEWATER LINE AND A NEW OR EXISTING WATERLINE IS EIGHTEEN INCHES (18") OR LESS, THE WASTEWATER LINE SHALL BE CONCRETE-JACKETED IN ACCORDANCE WITH THE STANDARD DETAILS OF PUBLIC WORKS CONSTRUCTION DATED SEPTEMBER 1984.
13. CONTRACTOR SHALL VERIFY EXACT LOCATION, DEPTH AND TYPE OF THE VARIOUS UTILITIES SHOWN ON THE PLANS PRIOR TO COMMENCEMENT OF WORK.
14. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY SIGNIFICANT DISCREPANCIES BETWEEN EXISTING UTILITIES AS SHOWN ON THE PLANS AND THOSE ENCOUNTERED OR OBSERVED ON THE GROUND, AND SHALL NOT PROCEED FURTHER WORK UNTIL WRITTEN NOTIFICATION IS RECEIVED FROM THE ENGINEER.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL PROPERTY OWNERS ADJACENT TO OR NEAR THE WORK AREA. ALL CORNER TIES AND REPLACEMENT SHALL BE PERFORMED UNDER THE DIRECTION OF A LAND SURVEYOR LICENSED TO PRACTICE IN HAWAII.
16. BENCHMARKS SHALL BE ESTABLISHED AND CERTIFIED BY A REGISTERED LAND SURVEYOR AND SUBMITTED TO THE DEPARTMENT OF PUBLIC WORKS.

NOTE REGARDING DISCOVERIES OF ARCHAEOLOGICAL INTEREST

SHOULD ITEMS OF ARCHAEOLOGICAL INTEREST BE FOUND DURING CONSTRUCTION (I.E. ARTIFACTS, BONES, CHARCOAL DEPOSITS, BURIED STONE ALIGNMENTS, OLD BOTTLES, ETC.) CONTRACTOR SHALL CEASE OPERATIONS WITHIN THE IMMEDIATE AREA AND IMMEDIATELY NOTIFY THE STATE HISTORIC PRESERVATION OFFICE AT P.O. BOX 621, HONOLULU, HAWAII 96809 (PHONE 1-548-8400) AND THE STATE DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES (PHONE 877-3305).

NOTE REGARDING DISCOVERIES OF ARCHAEOLOGICAL INTEREST

SHOULD HISTORIC SITES SUCH AS WALLS, PLATFORMS, PAVEMENTS AND MOUNDS OR REMAINS SUCH AS ARTIFACTS, BURIALS, CONCENTRATION OF CHARCOAL OR SHELLS ARE ENCOUNTERED DURING CONSTRUCTION WORK, WORK SHALL CEASE IN THE IMMEDIATE VICINITY OF THE FIND AND THE FIND SHALL BE PROTECTED FROM FURTHER DAMAGE. THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE STATE HISTORIC PRESERVATION DIVISION (587-0013), WHICH WILL ASSESS THE SIGNIFICANCE OF THE FIND AND RECOMMEND AN APPROPRIATE MITIGATION MEASURE, IF NECESSARY.

PURSUANT TO CHAPTER 6E OF THE HAWAII REVISED STATUTES, ALL CONTRACTORS SHALL ENSURE THAT IN THE EVENT THAT ANY HUMAN SKELETAL REMAINS ARE INADVERTENTLY DISCOVERED DURING CONSTRUCTION, THE REMAINS SHALL NOT BE MOVED AND ANY ACTIVITY IN THE IMMEDIATE AREA THAT COULD DAMAGE THE REMAINS OR THE POTENTIAL HISTORIC SITE SHALL CEASE AND THE DEPARTMENT OF LAND AND NATURAL RESOURCES' HISTORIC PRESERVATION DIVISION (TELEPHONE: 587-0047), THE APPROPRIATE MEDICAL EXAMINER OR CORONER, AND THE POLICE DEPARTMENT (TELEPHONE: 244-6400), SHALL BE CONTACTED.

NOTES REGARDING PUBLIC HEALTH, SAFETY AND CONVENIENCE

1. CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS REQUIRED FOR THE PROTECTION OF PUBLIC HEALTH AND SAFETY AND ENVIRONMENTAL QUALITY.
2. AS REQUIRED BY THE COUNTY, CONTRACTOR SHALL HIRE SPECIAL DUTY POLICE OFFICERS TO CONTROL THE FLOW OF TRAFFIC.
3. DURING NON-WORKING HOURS, ALL LANES SHALL BE OPEN AND ALL EXCAVATIONS ON THE ROADWAY SHALL BE COVERED WITH A SAFE NON-SKID BRIDGING MATERIAL. DRIVEWAYS SHALL BE KEPT OPEN UNLESS OWNERS TO THE PROPERTY USING THESE RIGHTS-OF-WAY ARE OTHERWISE PROVIDED SATISFACTORY ACCESS.
4. DURING WORKING HOURS, CONTRACTOR SHALL MAINTAIN A ROADWAY SUITABLE FOR ONE LANE OF TRAFFIC WITH FLAG MEN AT BOTH ENDS, ALTERNATING DIRECTION OF TRAFFIC FLOW.
5. CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN ALL NECESSARY SIGNS, LIGHTS, FLARES, BARRICADES, MARKERS, CONES, AND OTHER PROTECTIVE FACILITIES AND SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION, CONVENIENCE, AND SAFETY OF THE PUBLIC.

APPROVED BY:

DIRECTOR, DEPARTMENT OF PUBLIC WORKS AND
WASTEWATER MANAGEMENT
COUNTY OF MAUI

DATE

THIS WORK WAS PROVIDED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION WILL BE UNDER MY OBSERVATION.



DESIGNED BY: DKG
DRAWN BY: ITM
CHECKED BY: ITM
DATE: DEC. 1987
JOB NO. 87020

Note: Contractor shall check and verify all dimensions to be before proceeding with work.

CIVIL PLANS FOR:
NEW DRAIN LINE AND EASEMENT FOR
BURKHALTER RESIDENCE
TMK: (2) 4-6-03: 04
LAHAINA, MAUI, HAWAII

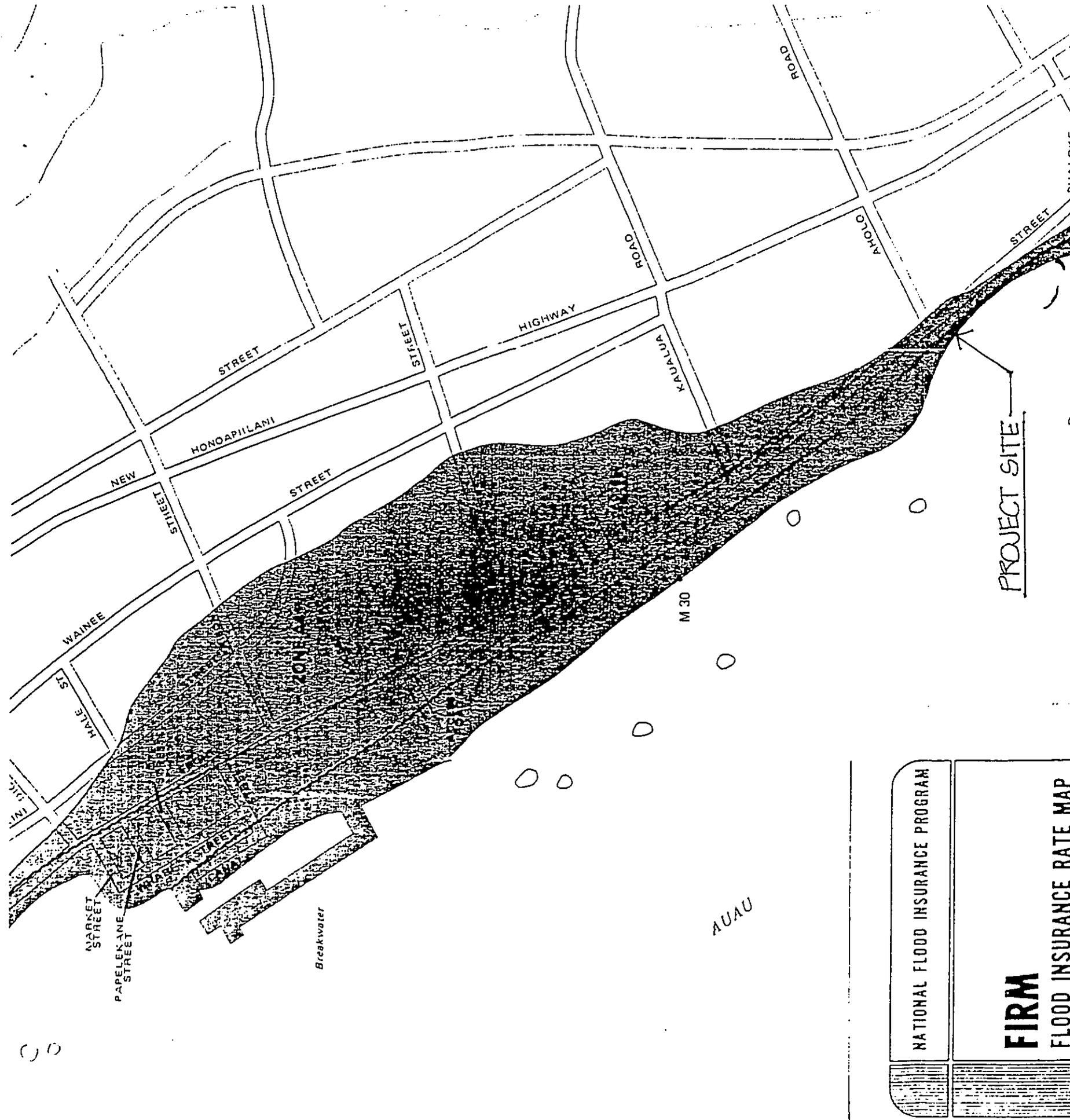
REVISING	DATE	DESCRIPTION

SHEET NO. **C-1** OF SHEETS

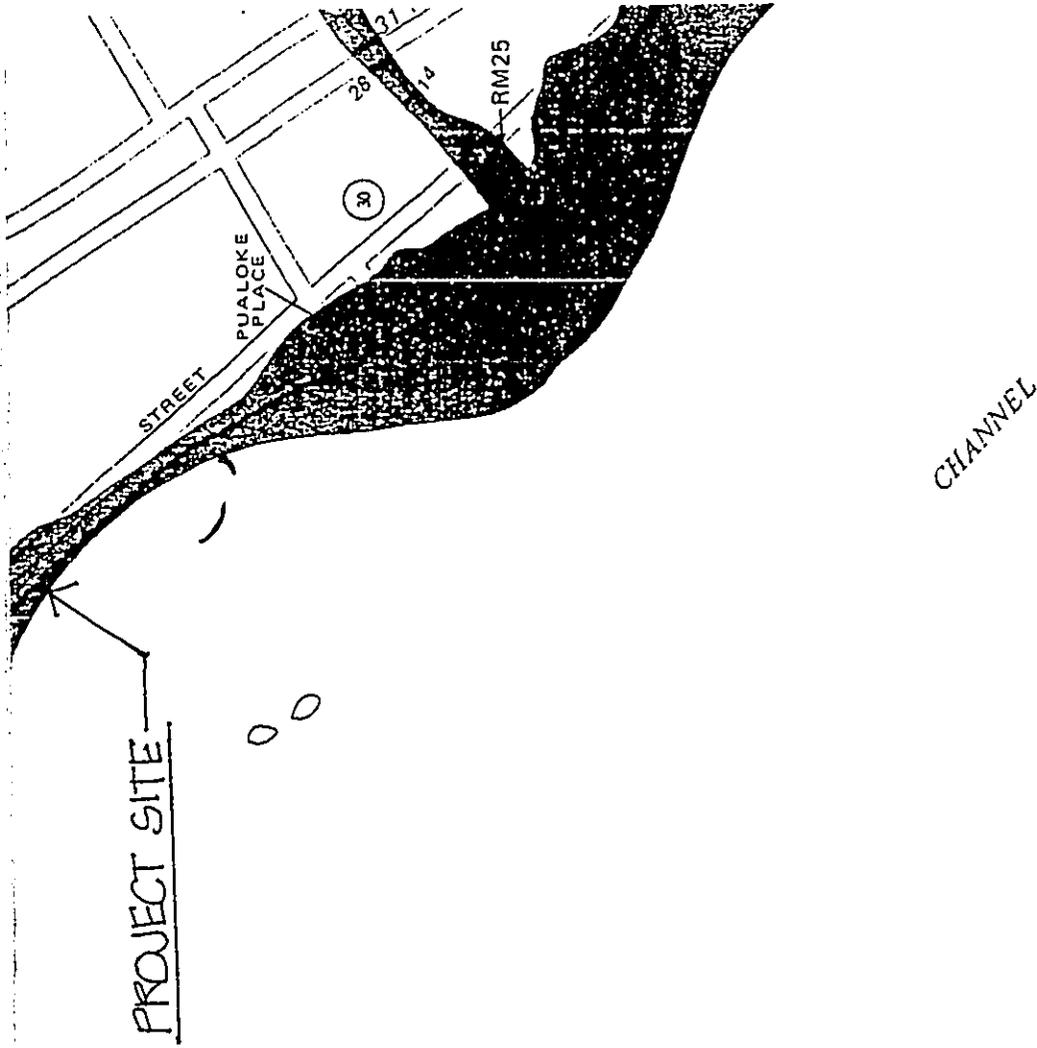
ENGINEERING DYNAMICS CORP. Civil & Mechanical Engineering Services Maui Office: 1845 Waialeale Drive, Waialeale, Hawaii 96795 Phone: (808) 818-1444 Fax: (808) 818-0898

PER MINUTE
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LAIN MANHOLE
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HALL

DOCUMENT CAPTURED AS RECEIVED



DOCUMENT CAPTURED AS RECEIVED



FIRM

FLOOD INSURANCE RATE MAP

MAUI COUNTY, HAWAII

PANEL 163 OF 400

(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER

150003 0163 B

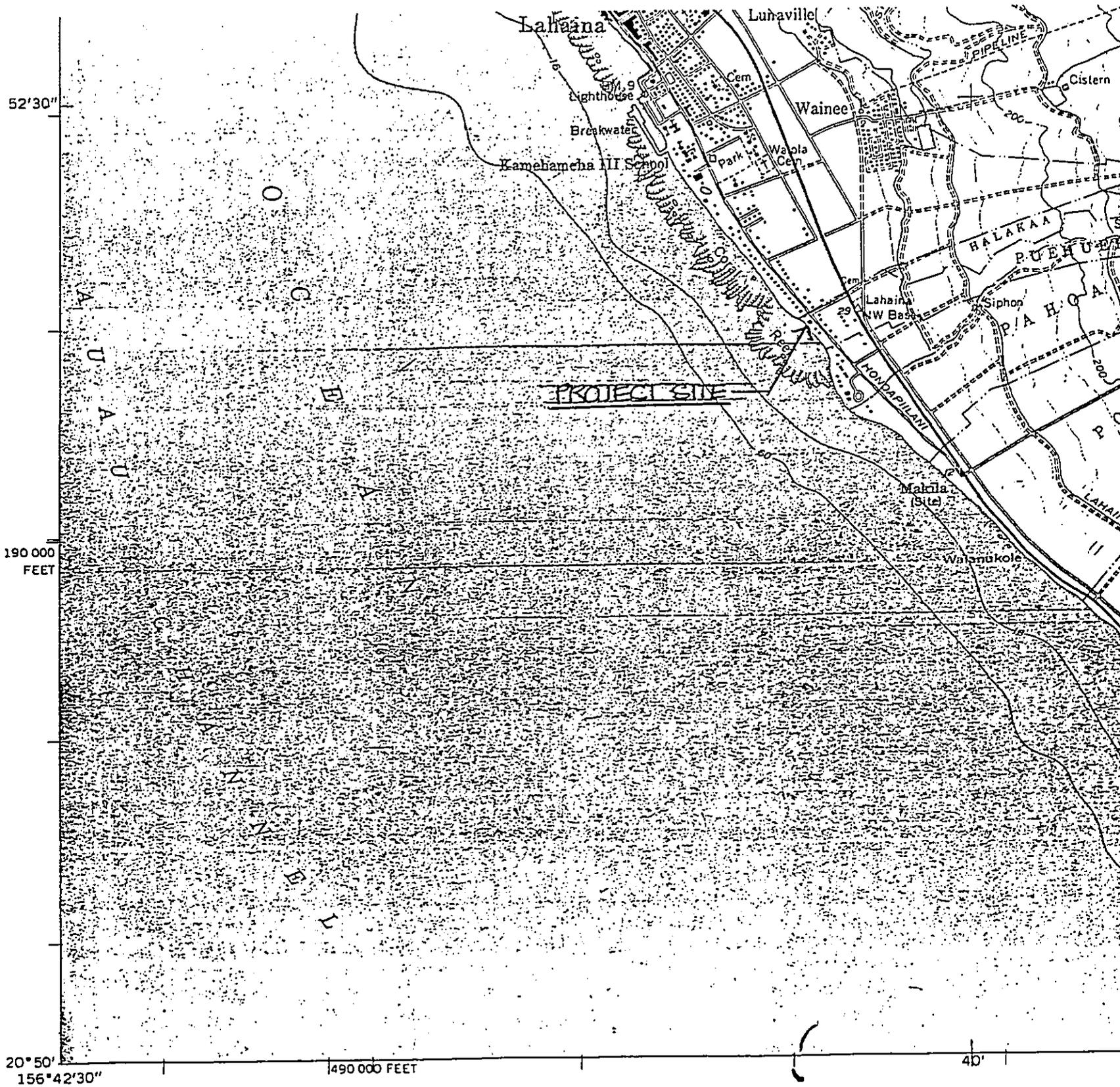
EFFECTIVE DATE:

JUNE 1, 1981



federal emergency management agency
federal insurance administration

DOCUMENT CAPTURED AS RECEIVED



Mapped, edited, and published by the Geological Survey

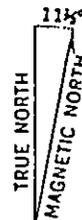
Control by USGS and USC&GS

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1950. Field check 1956

Hydrography compiled from USC&GS chart 4130 (1952)

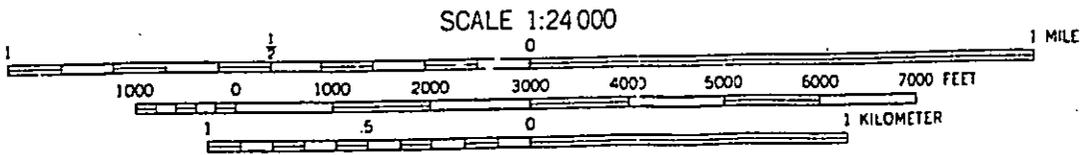
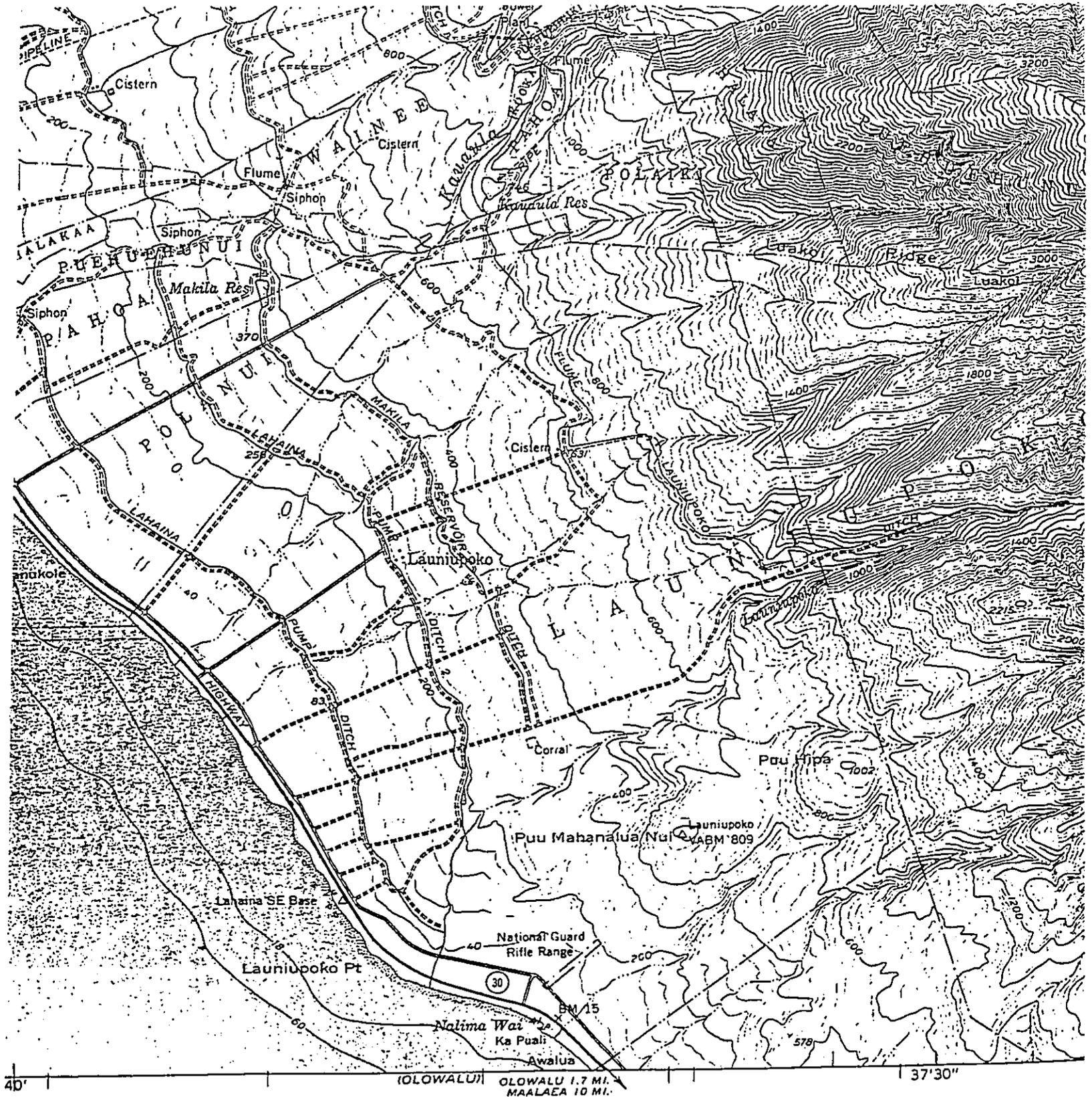
Polyconic projection. Old Hawaiian datum
10,000-foot grid based on Hawaiian coordinate system, zone 2
1000-meter Universal Transverse Mercator grid ticks,
zone 4, shown in blue

Unchecked elevations are shown in brown



APPROXIMATE MEAN
DECLINATION, 1956

DOCUMENT CAPTURED AS RECEIVED



CONTOUR INTERVAL 40 FEET
 DATUM IS MEAN SEA LEVEL
 DEPTH CURVES IN FEET—DATUM IS MEAN LOWER LOW WATER
 SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
 MEAN RANGE OF TIDE IS APPROXIMATELY 1 FOOT



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION
P.O. BOX 621
HONOLULU, HAWAII 96809
October 5, 2001

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

MA-238VALERARSSMAPS

LD-NAV

Valera, Inc.
Edgardo Valera, Surveyor.
1867-A Vineyard Street
Wailuku, Maui, Hawaii 96793

Dear Mr. Valera:

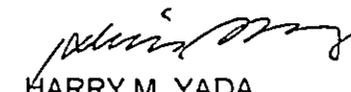
Subject: Shoreline Certification Request – File MA-238
Applicant: Valera, Inc.
Owner: Alber & Ann Burkhalter
District/Island: Lahaina, Maui - TMK: 4-6-03: 05
Property Address: 201 Front Street

This letter informs you that the above shoreline survey map was certified. Please be aware that in the past, our transmittal of the certified map to the applicant was withheld until the end of the 20-day appeal period. The Department of the Attorney General recently advised us that, while perhaps well intentioned, withholding the map had the effect of imposing an automatic stay on the release of the map; thus, it was not consistent with the intent of the public records law or with the shoreline certification rules.

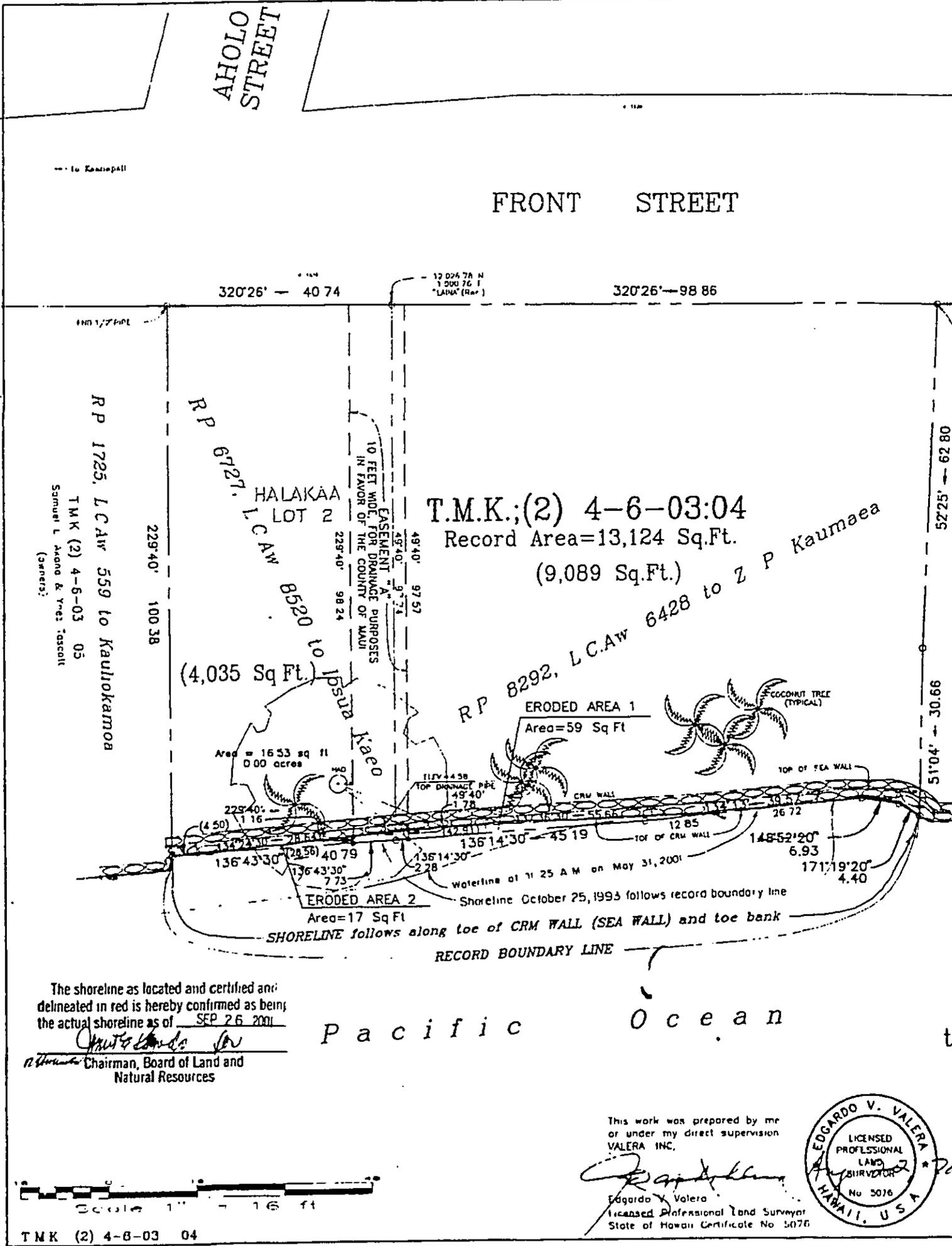
Enclosed for your records are six (6) copies of the certified shoreline survey map. However, please be advised that pursuant to Section 13-222-26, Hawaii Administrative Rules, this certification is subject to appeal which may possibly include a contested case hearing. Public notice of this shoreline certification is scheduled for publication in the October 8, 2001 Environmental Notice.

You will be notified whether an appeal or request for a contested case hearing to the shoreline certification has been filed during the appeal period, which ends on October 28, 2001. If no appeal has been filed during the 20-day period, then the certification is final. If, however, an appeal is filed, then the certification would be subject to the resolution of the contested case hearing process. Should you have any questions on this matter, please feel free to contact Nicholas A. Vaccaro at (808) 587-0438.

Very truly yours,


HARRY M. YADA
Acting Administrator

c: District Land Branch (w/attachment)
Survey Division (w/attachment)
County of Maui Building Department
County of Maui Dept, of Planning and Permitting

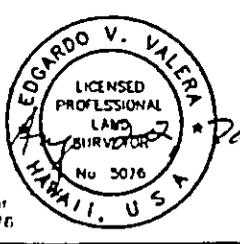


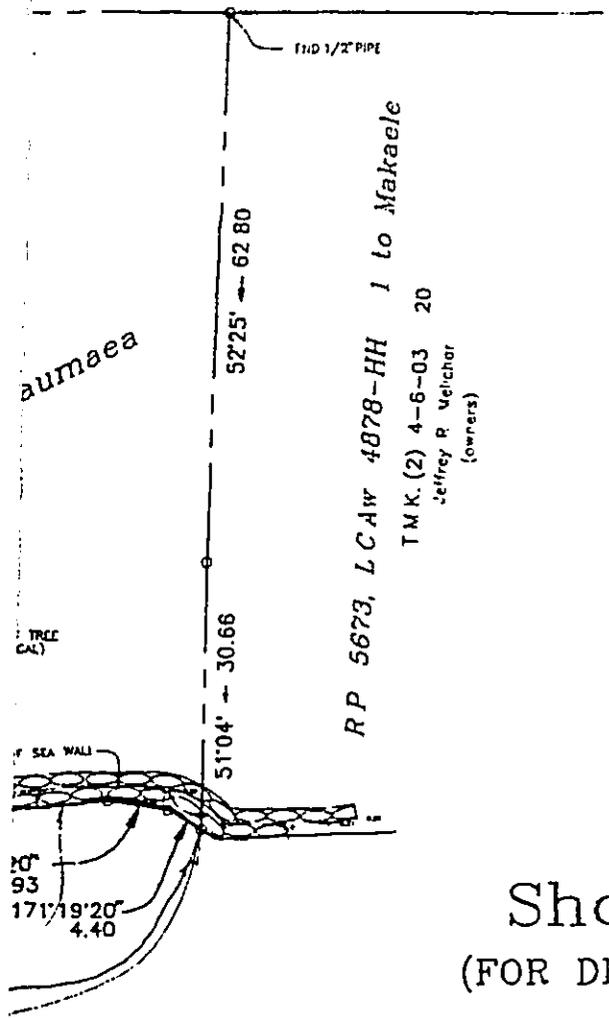
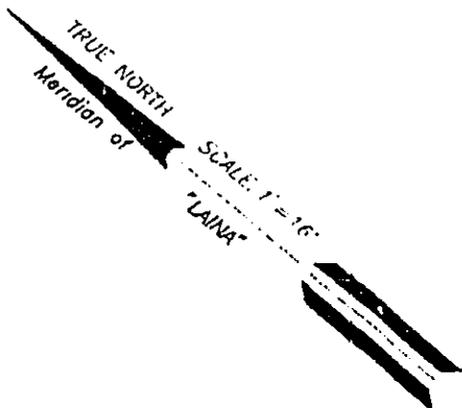
The shoreline as located and certified and delineated in red is hereby confirmed as being the actual shoreline as of SEP 26 2001

[Signature]
Chairman, Board of Land and Natural Resources

This work was prepared by me or under my direct supervision
VALERA INC.

[Signature]
Edgardo V. Valera
Licensed Professional Land Surveyor
State of Hawaii Certificate No 5076





NOTES:

- 1 Azimuths and coordinates are based from triangulation Station "LAINA" and its meridian was established from found boundary corners of this lot
- 2 Boundary corners are marked with 1/2" pipes, unless otherwise noted
- 3 Adjoining owners as shown taken from the Tax Map Records
- 4 This map is based on a field survey performed on August 16, 2000
Re-surveyed February 28 and May 31, 2001
- 5 Topographic information shown are for general purposes only
- 6 Erosion Area - 76 Sq Ft
- 7 Approved Shoreline ID/25/93 was incorporated on this map

Shoreline Verification
(FOR DRAINAGE CONSTRUCTION PURPOSES)

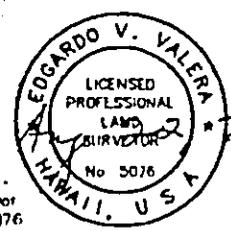
TAX MAP KEY : (2) 4-6-03:04

Being a portion of R. P. 6727, L. C. Aw. 8520
to Iosua Kaeo and R. P. 8292, L. C. Aw. 6428 to Z.P. Kaumaea

Halakaa, Puehuehu, Lahaina, Maui, Hawaii

OWNERS

Albert C Burkhalter & wf Ann O Burkhalter
201 Front Street
Lahaina, Maui, Hawaii 96761
PROPERTY ADDRESS
201 Front Street
Lahaina, Maui, Hawaii 96761



Revised January 5, 2001
Mar 15, 2001
Jun 5, 2001
Sept 11, 2001