



DEPARTMENT OF  
**PARKS AND RECREATION**  
COUNTY OF MAUI

3-8  
LINDA CROCKETT LINGLE  
Mayor  
CHARMAINE TAVARES  
Director  
ARMAND PADUA  
Deputy Director

1580 KAAHUMANU AVENUE, WAILUKU, HAWAII 96793

'93 APR 29 AM 11:3

(808) 243-7230

April 23, 1993 (OEOC OF  
QUALITY)

3-8

Mr. Brian J. J. Choy, Director  
Office of Environmental Quality Control  
220 S. King Street, 4th Floor  
Honolulu, Hawaii 96813

Dear Mr. Choy:

SUBJECT: NEGATIVE DECLARATION FOR D. T. FLEMING  
BEACH PARK IMPROVEMENTS, TMK 4-2-04:16  
AT HONOKAHAU, LAHAINA, MAUI, HAWAII

The Department of Parks and Recreation did not receive any comments during the 30-day public comment period which began on February 23, 1993 (OEQC Bulletin Publication Date). The agency has determined that this project will not have significant environmental effects and has issued a negative declaration. Please publish this notice in the OEQC Bulletin on May 23, 1993.

We have enclosed our completed OEQC Bulletin Publication Form and four copies of the final EA.

Please contact Mr. Leonard B. Costa at 243-7231 if you have any questions.

Sincerely,

  
CHARMAINE TAVARES  
Director of Parks and Recreation

Enclosure

cc: Armand Padua  
Patrick Matsui  
Leonard Costa

57



1993-05-23-MA-1-FA - D. T. Fleming Beach Park Improvements  
Proposal MAY 23 1993

ENVIRONMENTAL ASSESSMENT  
FOR  
PROPOSED D. T. FLEMING BEACH PARK IMPROVEMENTS  
AT HONOKAHUA, LAHAINA, MAUI, HAWAII  
TAX MAP KEY: 4-2-04:16

PREPARED FOR:  
DEPARTMENT OF PARKS AND RECREATION  
COUNTY OF MAUI  
WAILUKU, MAUI, HAWAII

PREPARED BY:  
R. T. TANAKA ENGINEERS, INC.  
871 KOLU STREET, SUITE 201  
WAILUKU, HAWAII - 96793

JANUARY 1993

TABLE OF CONTENTS

- I. APPLICANT
- II. APPROVING AGENCIES
- III. AGENCIES CONSULTED
- IV. DESCRIPTION OF THE PROPOSED PROJECT
- V. DESCRIPTION OF THE AFFECTED ENVIRONMENT
- VI. PROBABLE IMPACT OF PROJECT ON THE ENVIRONMENT AND  
MITIGATIVE MEASURES TO MINIMIZE ADVERSE IMPACTS
- VII. OTHER INTEREST AND CONSIDERATION OF GOVERNMENTAL POLICIES  
THAT OFFSET ADVERSE ENVIRONMENTAL EFFECTS
- VIII. DETERMINATION AND SUPPORTING REASONS
- IX. APPENDICES
  - APPENDIX "A" - DRAINAGE AND SOIL EROSION CONTROL STUDY
  - APPENDIX "B" - SOLID WASTE MANAGEMENT PLAN
  - APPENDIX "C" - APPROVAL OF WATER AND SEWER SERVICES  
CONNECTION
  - APPENDIX "D" - COMMISSION ON PERSONS WITH DISABILITIES'  
DOCUMENT REVIEW
- X. EXHIBITS
  - PLAT 1 - LOCATION MAP
  - PLAT 2 - VICINITY MAP
  - PLAT 3 - FLOOD MAP
  - PLAT 4 - SOILS MAP
  - PLAT 5 - LAND USE MAP
  - PLAT 6 - EXISTING TOPOGRAPHY
  - PLAT 7 - SHORELINE SURVEY MAP
  - PLAT 8 - PROPOSED SITE AND UTILITY PLAN
  - PLAT 9 - PROPOSED GRADING & DEMOLITION PLAN

PLAT 10 - PROPOSED COMFORT STATION  
PLAT 11 - PROPOSED COMFORT STATION  
PLAT 12 - EXISTING DRAINAGE FLOW PATTERN

I. APPLICANT:

County of Maui  
Department of Parks and Recreation

II. APPROVING AGENCIES:

The applicant will have to obtain the following approvals before proceeding with the project:

County of Maui

Maui County Planning Commission:

1. Approval of Special Management Area (SMA) Permit

Department of Public Works:

1. Grading and Grubbing Permit
2. Building, Plumbing and Electrical Permits

State of Hawaii

Department of Health:

Approval of sewage disposal and abandonment of existing cesspool.

Department of Land & Natural Resources:

Shoreline Certification

Approval of Conservation District Use Permit

Other Agencies

Kapalua Land Company, Ltd.

Approval of sewer and water hook-up

Maui Electric Company, Ltd.

Approval of electrical services

Hawaiian Telephone Company

Approval of telephone service

III. AGENCIES CONSULTED:

Prior to the development of project plans, the following have been or will be consulted:

County of Maui:

Department of Planning  
Department of Public Works  
Department of Water Supply  
Fire Department

State of Hawaii:

Department of Health  
Department of Land & Natural Resources

Other Agencies:

Kapalua Land Company, Ltd.  
Maui Electric Company, Ltd.  
Hawaiian Telephone Company

IV. DESCRIPTION OF THE PROPOSED PROJECT:

The proposed project involves primarily the construction of a new comfort station to replace the existing old restroom facilities. The planned comfort station is a one-story building with concrete hollow tile walls and asphalt shingles roofing. The building measures 28' x 22.7' with concrete floor area of 635 square feet. The restrooms will include handicapped accessible facilities. It also includes a park keeper storage room. Floor plans and elevations of the proposed restroom are shown on Plats 10 and 11.

Included in this project are the replacement of old, broken concrete picnic tables and benches; re-stripping of

existing A.C. parking area; construction of a concrete sidewalk; installation of sewer, water, electrical and telephone services; and all other incidental work, such as conversion of existing restrooms into storage facilities for lifeguard equipment, abandonment of cesspool, etc.

All proposed improvements will be completed meeting applicable codes, standards and requirements of State and County agencies and utility companies having jurisdiction of this type of development.

V. DESCRIPTION OF THE AFFECTED ENVIRONMENT:

A. Identification of Project Site:

The site is identified as Parcel 16 of Tax Map Key 4-2-04.

The beach park was set aside for public use by Maui Land and Pineapple Co., Inc. in 1975, in memory of David Thomas Fleming. The D. T. Fleming Beach Park is an improved park complete with restrooms, concrete picnic tables and benches, barbecue pits, shower and paved parking area (Plat 6). The County of Maui holds a 55-year lease on the beach park since October 6, 1980 per records of the Real Property Division, Maui County Department of Finance.

B. Site Area:

D. T. Fleming Beach Park has an area of 3.29 acres. The proposed comfort station; however, will be confined on the western portion of the park involving

an area of approximately 5,000 square feet or 0.11 acre.

C. Project Location:

The proposed project site is located in Honokahua, Lahaina, Maui, Hawaii. It is situated on the northerly side of Lower Honoapiilani Road adjacent to Honokahua Bay (see Plats 1 and 2).

D. Topography:

The park site is covered with bare ground except along the banks of the stream where noxious weeds and grass are found. The present canopy is predominantly ironwood and coconut trees. Several kiawe and milo trees are also found on the site.

A ridge fronts most of the park shoreline extending westward from the mouth of Honokahua Stream towards Napili.

The ground surface is gently rolling with slopes varying from 3 to 10 percent. The ground elevation varies from 4 feet above mean sea level (MSL) at the mouth of the stream to 22 feet (MSL) at the western boundary.

E. Climate:

The western region of Maui can be generally characterized as hot and dry. Average rainfall is

between 30-50 inches annually. The area is on the leeward side of the island.

Mean annual temperature on Maui varies between about 72 degrees and 75 degrees near sea level. Average difference between daily high and low temperature ranges from 10 degrees to 20 degrees. August and September are the warmest months of the year; January, February and March the coolest. The seasonal range of temperature is only 8 degrees to 10 degrees.

On Maui, the prevailing winds throughout the year is the east, northeasterly trade.

At this particular site, the prevailing wind is a true trade.

F. Soil Conditions:

The general soil classification for the site, according to the Soil Survey of Hawaii prepared by the Soil Conservation Service, are Beaches (BS) and Pulehu Clay Loam (PSA), 0 to 3 percent slopes. Beaches consists mainly of light colored sands derived from coral and seashells. Pulehu Clay Loam consists of well-drained soils and are developed in alluvium washed from igneous rock.

Pulehu Clay Loam has moderate permeability, runoff is slow and erosion hazard is no more than slight.

G. Flood Hazard:

Based on the Flood Insurance Rate Maps for Maui County, the project site falls within three (3) flood zone designation (Plat 3) as follows:

1. Zone V29, encompassing about 60% of the site, are areas along the coast inundated by the 100-year flood and that have additional hazards due to wave action; base flood elevations and flood hazards factors determined. The established flood elevation at this zone is 19 feet.
2. Zone A4, affecting about 30% of the site, are areas of 100-year flood; base flood elevations and flood hazards factors determined. The regulatory flood level is at 19 feet elevation. The average depth of flooding in this zone is approximately 2 feet.
3. Zone C, affecting about 10% of the site, are areas of minimal flooding.

The existing restrooms which are to be converted to storage facilities, lies within Zone V29.

The proposed comfort station will be constructed on a plateau at the western portion of the lot that falls under Zone "C" designation. The plateau has an average elevation of 21 feet (MSL) which is higher than the established regulatory flood elevation of 19 feet. Therefore, the new comfort station will not be subject to the provisions of Chapter 19.62, "Flood Hazard District", of the Maui County Code.

H. State Land Use and Zoning:

The property is located within the conservation district as designated by the Land Use Commission of the State of Hawaii. It is subzoned Limited (L) where park is a permitted use.

I. County General Plan and Zoning:

The Lahaina Community Plan (Plat 4) designates the project site for park purposes (PK). The site is presently under conservation zoning.

J. Existing Land Use:

The beach park is generally used in support of ocean-related activities such as surfing and swimming. Existing facilities are restrooms, concrete picnic tables and benches, barbecue pits, shower, paved parking lot, etc.

K. Adjacent Land Uses:

To the north is Honokahua Bay; to the east is an unused or undeveloped parcel; to the south is Lower Honoapiilani Road and across the road are the Kapalua golf courses and paved parking addition (under construction) to the park; and to the west is an open land which is now being developed for the Kapalua tennis courts and beach facilities. Also to the west of the beach park is the existing sewage pump station owned by Kapalua Waste Treatment Company, Ltd.

L. Historic and Archaeological Features:

There is no visible evidence of any Hawaiian artifacts or features on the proposed construction area. Location of the improvements are presently used for parking, picnicking and other recreational activities. The site has been disturbed due to previous improvements of the park.

M. Plant Life:

There is no indication of any rare or endangered plants associated with the project. Most of the ground within the proposed construction area is bare and the predominant canopy are ironwood trees and coconut palms.

N. Animal Life:

There is no indication of any rare or endangered species of animal or bird life in the proposed construction site.

O. Water:

The site's domestic and irrigation water requirements is currently drawn from an existing 6" waterline along Lower Honoapiilani Road through one (1) 1" water meter. The existing water system belongs to Kapalua Water Company, Ltd. (Plat 6)

P. Sewer:

Wastewater generated by the park's restroom facilities is currently disposed off by an existing cesspool.

An existing sewer system facilities (pump station, gravity sewerlines and force main), which is owned and operated by Kapalua Waste Treatment Company, Ltd., is located just west of the project area (Plat 6). The project proposed to abandon the existing cesspool. Sewer services for the new comfort station will be connected to the Kapalua's sewer system. Planned service connection has been approved by Kapalua in its letter to the Department of Parks and Recreation on July 31, 1992 (Appendix C).

Q. Solid Waste:

Refuse collection for the park is currently done by a private refuse collection company under contract with the Department of Parks and Recreation. Refuse are disposed off at the County sanitary landfill.

R. Telephone and Electrical:

Present service to the site is supplied by electrical and telephone lines along Lower Honoapiilani Road.

S. Public Facilities:

1. Schools - Elementary, intermediate and high schools are located in the town of Lahaina approximately ten (10) miles away, south of the project site.
2. Fire Protection - A fully manned County fire station is located in Wahikuli, at Lahaina Civic Center approximately eight (8) miles away. The new Napili Fire Station is about three (3) miles away.
3. Police Protection - A fully manned County Police Station is located in Wahikuli at Lahaina Civic Center, approximately eight (8) miles away.
4. Medical - There are no major hospitals in the immediate area; however, there are minor medical and dental offices in Lahaina. For major health care, the nearest full-care hospital is Maui Memorial Hospital in Wailuku. An emergency ambulance service is available at the Lahaina Civic Center.

T. Drainage:

Storm runoff generated by the project site either flows into Honokahua Stream or directly into the ocean. An existing ridge along the shoreline divides the drainage flow direction. Runoff from the seaward side of the ridge will flow in a northerly direction directly towards the ocean. Runoff from the inland

side of the ridge will flow in the opposite direction towards Honokahua Stream which outlets at the northeast corner of the beach park lot. Drainage characteristics at the project site are further described in Appendix "A", Preliminary Drainage and Soil Erosion Control.

There is no significant increase of drainage runoff as a result of this project.

VI. PROBABLE IMPACT OF PROJECT ON THE ENVIRONMENT AND MITIGATIVE MEASURES TO MINIMIZE ADVERSE IMPACTS

A. Primary Impacts:

1. Anticipated Short-Term Impacts

Short-term construction related impacts are anticipated. These impacts will last no longer than the construction phase and can be mitigated by proper construction techniques, adherence to generally accepted construction practices and in compliance with the Maui County Soil Erosion and Sedimentation Control, OSHA Standards, State Air, Noise and Water Quality Regulations. These short-term effects will include the following:

a. Dust from Construction Operations

Waterwagons and sprinklers will be used to control dust resulting from construction activities. The proposed project site will be kept moist after working hours and on weekends, if necessary. These requirements

will be outlined in the construction plans and specifications.

b. Noise from Construction Equipment

Noise from construction equipment will be kept within the limits permitted by the State, County and OSHA regulations. Construction activities will be restricted to daylight hours between 7:00 a.m. and 3:30 p.m. No work will be permitted at night except to complete work activities that would endanger the health and safety of the community if left undone.

c. Disruption of Normal Traffic Flow

No traffic problems are anticipated during the onsite construction phase since the construction activity will be confined within the proposed project site. Minor interruption of traffic flow is expected to occur at the end of the road and entrance to the park's parking lot during tie-in of the proposed services to the existing facilities. However, this will be mitigated by appropriate use of traffic control plans and devices that will be approved and regulated by the County.

d. Soil Erosion

Grading at the project area will be minimal; therefore, erosion from the proposed

project site is expected to be insignificant, if any, and will not cause adverse effect on the adjoining properties. Nevertheless, to minimize soil erosion, the contractor will be required to pave, grass or landscape all graded areas as soon as finish grading is completed. This requirement will be noted in the construction plans. No adverse environmental impact is anticipated due to soil erosion.

e. Solid Waste

Construction debris will be generated by the proposed improvements. The proposed solid waste management plan has been reviewed and accepted by the Department of Public Works (Appendix B).

2. Anticipated Long-Term Impacts

a. Physical Impacts

1) Grading

The proposed project site will be graded to allow for the proper construction of the new comfort station and concrete walkway. The grading required for this project should neither enhance nor be detrimental to the site and surrounding area.

2) Drainage

Completion of the proposed project is not expected to cause any significant

drainage adverse effects on adjoining and downstream properties. The proposed project is essentially the replacement of existing facilities; therefore, no significant increase in runoff is expected.

Completion of the project will not change the existing drainage pattern. The ridge along the shoreline that separate the runoff flow direction will not be disturbed. As such, all runoff inland of the ridge will sheet into Honokahua Stream and runoff seaward of the ridge will flow directly into the bay.

3) Air Quality

There should be no change in the air quality because the use of the site will remain the same. Generally, the air quality should be comparable to the quality existing in the surrounding area.

4) Water Quality

No change in water quality is anticipated as a result of this proposed project. Completion of the proposed comfort station will not contribute nor result in degrading existing water quality at the site. Abandonment of the existing cesspool will end the percolation of wastewater into the ground.

5) Public Utilities

This proposed project is not expected to adversely affect the demand on public utilities. The replacement of existing old park facilities is not expected to increase significantly the demand on existing utilities.

6) Traffic

There is no increase in traffic expected upon the completion of this project. The improvements are primarily replacing existing facilities at the beach park and therefore, it is not expected to increase park users. Traffic on Lower Honoapiilani Road will be mostly generated by park users since the road dead ends at the park entrance.

7) Solid Waste

There will be no increased demands on the County system since the project will not result in the increase of population. Currently refuse generated at the park is collected by a private refuse collection firm under contract with the Department of Parks and Recreation. Trash collection is not expected to change after completion of the improvements.

8) Noise

The noise generated within the proposed project will be similar to those associated with the nearby recreational areas (tennis courts and golf courses).

b. Biological Impacts

1) Plant

No significant impact on plant life is anticipated as a result of this proposed project. There are no rare or endangered species of plants on the site, nor are these favorable conditions for such species.

Site of the proposed improvements has been previously graded, grassed and landscaped. It is presently used for picnicking, parking and other related park activities.

2) Animal and Bird

No significant impact on animal and bird life is anticipated as a result of this proposed project. There are no rare or endangered species due to the unfavorable habitat.

c. Cultural Impacts

1) School

The proposed project is not expected to increase population in the area; therefore, no increase demand for school facilities within the County is anticipated.

2) Public Safety

This proposed project is well within the "working" range of the various public safety agencies (police, fire, medical services); therefore, no negative impact should result due to its completion.

3) Parks and Recreation

The project proposes to replace old broken concrete picnic tables and benches, and construct a new restroom facilities which will be made accessible and usable by the physically handicapped persons. The Commission on Persons with Disabilities has determined that the proposed comfort station meets the requirements of the Uniform Federal Accessibility Standards (Appendix D). Therefore this project will provide a positive impact on the existing park facilities.

4) Historical and Archaeological

There is no visible evidence of any artifacts or features within the proposed improvements area which has been previously disturbed and improved. However the following condition shall be noted in the construction plans and specifications:

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.

B. Secondary Impacts:

Secondary impact resulting from the proposed project will be generation of additional short-term employment, during the period of planning, design and construction. Most or all of these short-term impacts will affect the consultants, contractors and materials suppliers that will be involved in this project.

VII. OTHER INTEREST AND CONSIDERATION OF GOVERNMENTAL POLICIES THAT OFFSET ADVERSE ENVIRONMENTAL EFFECTS

Sufficient governmental control as mandated by the Maui County Code, State Department of Health regulations and State Department of Land & Natural Resources requirements will be enforced to mitigate any adverse environmental impacts.

VIII. DETERMINATION AND SUPPORTING REASONS:

In accordance with the Rules and Regulations, the proposed project does not have significant adverse effects upon the environment, as follows:

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

There are no evidence of natural or cultural resources associated with the construction site. The site has been improved and graded before and is presently used for parking, picnicking and other related recreational activities.

2. Curtails the range of beneficial uses of the environment.

The proposed project is consistent with the County's General Plan and would not curtail beneficial uses of the environment in the area. Completion of the proposed project will not change the existing activities at the park site and surrounding areas.

3. Conflicts with the County's or State's long-term environmental polices or goals and guidelines.

The proposed project is consistent with State and County zoning and with the County's Lahaina Community Plan. The project is to replace old park facilities. No long-term environmental conflicts are likely to occur due to completion of the project.

4. Substantially affects the economic or social welfare activities of the community, County or State.

The major socio-economic effect is expected to be the enhancement of service to the public. There will be no change in recreational activities within the beach park.

5. Substantially affects public health.

The proposed project is not expected to cause any detrimental effect on the well-being of the public.

6. Involves substantial secondary impacts, such as population changes and effects on public facilities.

The proposed project is not expected to increase population in the area. Beach users are not expected to increase as a result of this project. The existing use of the beach park will not change. Therefore, the increase demand on public facilities will not be substantial and should not cause adverse effect on existing facilities. Rather it would be adding facilities that will provide accessibility and usefulness to the physically handicapped person.

7. Involves a substantial degradation of environmental quality.

The proposed project doesn't involve activities that will contribute in reducing the existing quality

of the environment in the area. Activities will be similar to existing recreational activities.

8. Is individually limited but cumulatively has considerable effect upon the environment or involves a commitment for larger actions.

The proposed replacement of the old restroom facilities, picnic tables and benches and related improvements is not expected to have considerable cumulative effect on the environment. Its use will be similar to existing uses.

Approval of the project does not involve a commitment for any larger actions, either on-site or in the surrounding area.

9. Substantially affects a rare, threatened, or endangered species of animal or plant, or its habitat.

There are no known rare, threatened or endangered species or habitat associated with the construction site, which is currently used for parking, picnicking and other related recreational activities.

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

There should be no long-term increase in noise or water quality since the use will remain the same.

Short-term impacts on air and water quality, as well as noise, will occur during the construction

period, but will be mitigated by normal construction practices and will be regulated and imposed within the plans and specifications.

11. Affects on environmentally sensitive area, such as flood plains, tsunami zones, erosion prone areas, geologically hazardous lands, estuaries, fresh waters or coastal waters.

The proposed project is not expected to cause any major flooding or erosion problems nor have any significant adverse effect on the existing regulatory flood plain. The new comfort station will be built on the portion of the lot which is above the reaches of the 100-year regulatory flood. Grading within the site will be minimal. Erosion control measures will be required from the Contractor during construction.

Replacement of dilapidated park facilities is not likely to have an adverse effect on the shoreline and coastal water. Abandonment of the cesspool currently serving the restroom facilities will end the percolation of wastewater into the ground.

APPENDIX "A"

DRAINAGE & SOIL EROSION  
CONTROL STUDY

I. PURPOSE:

The purpose of this study is to determine the drainage runoff by the proposed project and its effect on existing drainage conditions, adjoining and downstream properties.

II. LOCATION:

The project site is shown on Plats 1 and 2. It is located at Honokahua Bay on the northerly side of Lower Honoapiilani Road. In the vicinity of the proposed project are the Kapalua tennis courts and golf course. Access to the site is from Lower Honoapiilani Road which connects to Honoapiilani Highway.

III. FLOOD HAZARDS:

Based on the Flood Insurance Rate Maps for Maui County, the project site falls within three (3) flood zone designations (Plat 3) as follows:

1. Zone V29, encompassing about 60% of the site, are areas along the coast inundated by the 100-year flood and that have additional hazards due to wave action; base flood elevations and flood hazards factors determined. The established flood elevation at this zone is 19 feet.
2. Zone A4, affecting about 30% of the site, are areas of 100-year flood; base flood elevations and flood hazards factors determined. The regulatory flood level is at 19 feet elevation. The average depth of flooding in this zone is approximately 2 feet.

3. Zone C, affecting about 10% of the site, are areas of minimal flooding.

The existing restroom is situated inside Zone V29. The proposed comfort station will be constructed on a plateau on the western portion of the lot that falls under Zone "C" designation. The plateau has an average elevation of 21 feet (MSL) which is higher than the established regulatory flood elevation of 19 feet. Therefore, the comfort station will not be subject to the provisions of Chapter 19.62, "Flood Hazard District", of the Maui County Code.

#### IV. EXISTING DRAINAGE CONDITION:

The existing park lies on the beach of Honokahua Bay. Existing park facilities are restrooms, picnic tables, barbecue pits and A.C. parking area. Except for some noxious weeds along the bank of Honokahua Stream, the ground surface is generally bare. Predominant canopy at the site are ironwood and coconut trees. Some milo and kiawe trees are found along the stream.

An existing ridge along the shoreline divides the drainage flow direction at the site (Plat 12). On the seaward side of the ridge, surface water will flow directly onto the ocean. Runoff from the area inland of the ridge will flow in a southerly direction towards the stream and will be eventually discharged into the ocean. Based on a 10-year storm intensity, the existing onsite surface runoff to the stream is about 2.7 c.f.s. (see Hydrology Chart).

Honokahua Stream traverses the beach park site along the southern boundary and outlet into the ocean at the northeast corner of the lot. Flooding of the low-lying portion of the park is due to the 100-year storm flow of the stream (Section III). According to the Flood Insurance Study, the stream has a watershed area of about 3.8 square miles (2,432 acres) and can generate 1,670 c.f.s. and 4,300 c.f.s for 10-year and 100-year storm, respectively.

V. PROPOSED IMPROVEMENTS:

The primary improvement proposed for this project is the construction of a new comfort station and conversion of the existing restroom facility into a storage facility for lifeguard equipment. Other related work are replacement of old and broken concrete picnic tables and benches, restriping of existing A.C. parking area and installation of utility services to the existing systems on Lower Honoapiilani Road.

VI. PROPOSED DRAINAGE FACILITIES:

There is no drainage improvements proposed for this project. None of the proposed improvements as enumerated in Section V above will contribute to the altering of drainage pattern presently prevailing at the site. The construction of the new comfort station will not alter nor significantly increase the existing drainage flow.

VII. SOIL EROSION CONTROL STUDY:

1. Existing Soil Conditions:

Existing soils at the project site are Beaches (BS) and Pulehu Clay Loam (PsA) as classified by the United States Department of Agriculture, Soil Conservation Service [2]. Beaches consists mainly of light-colored sands derived from coral and seashells. Pulehu Clay Loam consists of well-drained soils and are developed in alluvium washed from igneous rock.

Pulehu Clay Loam has moderate permeability, runoff is slow and erosion hazard is no more than slight. Beaches soils has soil erodibility factor of 0.10, while Pulehu Clay Loam has an erodibility factor of 0.17 [3].

2. HESL Soil Loss for Project During Construction:

Excess soil loss is not expected to occur during the construction of the project. Grading will be minimal, involving only subsurface excavation and backfill for the new comfort station, installation of utilities and related facilities.

3. Erosion Control Plan:

Soil loss is expected to be insignificant during construction, nevertheless, temporary erosion control measures shall include the following:

- a. Control dust by means of waterwagon and/or sprinklers during period of construction.

- b. Graded areas will be thoroughly watered after construction activity has ceased for the day and for weekends and holidays.
- c. All exposed graded areas shall be paved, grassed and/or landscaped immediately upon completion of finish grading.

VIII. CONCLUSION:

Based on this study, completion of the proposed improvements to the existing beach park will not have any significant adverse drainage effects on existing drainage conditions nor on the adjacent areas and shoreline. The proposed project is essentially the replacement of existing old park facilities which will not involve massive site grading. Existing onsite runoff is not expected to be significantly increased by this project. Drainage flow pattern will be generally the same before and after project development.

IX. REFERENCES:

1. Drainage Master Plans for the County of Maui, prepared by R. M. Towil Corporation, October 1971.
2. Soil Survey of Islands of Kauai, Oahu, Maui, Molokai and Lanai, State of Hawaii, prepared by U.S. Department of Agriculture, Soil Conservation Service, August 1972.
3. Erosion and Sediment Control Guide for Hawaii, prepared by U.S. Department of Agriculture, Soil Conservation Service, March 1981.
4. Rainfall-Frequency Atlas of the Hawaiian Islands, Technical Paper No. 43, U.S. Department of Commerce, Weather Bureau, 1962.

5. Flood Insurance Rate Maps for the County of Maui, June 1981.

APPENDIX "B"

SOLID WASTE MANAGEMENT PLAN

LINDA CROCKETT LINGLE  
Mayor  
GEORGE N. KAYA  
Director  
CHARLES JENCKS  
Deputy Director  
LLOYD P.C.W. LEE, P.E.  
Chief Staff Engineer



COUNTY OF MAUI  
DEPARTMENT OF PUBLIC WORKS

200 SOUTH HIGH STREET  
WAILUKU, MAUI, HAWAII 96793

AARON SHINMOTO, P.E.  
Land Use and Codes Administration  
EASSIE MILLER, P.E.  
Wastewater Reclamation Division  
RALPH NAGAMINE, P.E.  
Engineering Division  
BRIAN HASHIRO, P.E.  
Solid Waste Division  
MELVIN HIPOLITO  
Highways Division

June 8, 1992

RECEIVED

JUN 10 1992

R T TANAKA ENGINEERS

Mr. Rogelio Hidalgo, P.E.  
Project Engineer  
R. T. Tanaka Engineers, Inc.  
871 Kolu Street, Suite 201  
Wailuku, Hawaii 96793

Dear Mr. Hidalgo:

SUBJECT: SOLID WASTE MANAGEMENT PLAN FOR IMPROVEMENTS TO  
D.T. FLEMING BEACH PARK AT HONOKAHUA, LAHAINA,  
MAUI, HAWAII, TMK:4-2-04:16; FOR THE DEPARTMENT OF  
PARKS AND RECREATION

We are in receipt of your letter of June 3, 1992 and the  
attached solid waste management plan for the subject project.

We have reviewed the solid waste management plan and hereby  
approve of said plan.

By copy of this letter, we will inform the Planning Department  
and the Land Use & Codes Administration Division of our approval.

Please feel free to contact our office should you require  
further assistance on this matter.

Very truly yours,

BRIAN HASHIRO  
Solid Waste Division Chief

BH:bh

cc: Planning Department w/copy of plan  
LUCA w/copy of plan





CIVIL & STRUCTURAL ENGINEERING • LAND SURVEYING • CONSTRUCTION MANAGEMENT & INSPECTIONAL SERVICES

June 3, 1992

Solid Waste Division  
Department of Public Works  
County of Maui  
200 S. High Street  
Wailuku, HI 96793

Attention: Mr. Brian Hashiro

Re: Solid Waste Management Plan  
for Improvements to D. T. Fleming Beach Park  
At Honokahua, Lahaina, Maui, Hawaii  
TMK: 4-2-04:16  
for the Department of Parks & Recreation

Gentlemen:

Attached herewith is a solid waste management plan for the subject project for your review and approval.

This requirement is in connection with the SMA application for the beach park improvements.

Your immediate attention is appreciated.

If you have any questions, please call me.

Very truly yours,

Rogelio Hidalgo, P.E.  
Project Engineer

RH:sh  
Encl.

cc: Mr. Armand Padua



CIVIL & STRUCTURAL ENGINEERING • LAND SURVEYING • CONSTRUCTION MANAGEMENT & INSPECTIONAL SERVICES

PROPOSED  
SOLID WASTE MANAGEMENT PLAN  
FOR  
IMPROVEMENTS TO D. T. FLEMING BEACH PARK  
AT HONOKAHUA, LAHAINA, MAUI, HAWAII

TMK: 4-2-04:16

---

A. General Description of Property:

The property has an area of 3.29 acres and is located on the northerly side of Lower Honoapiilani Road adjacent to Honokahua Bay. The property is currently an active beach park with facilities such as restrooms, concrete picnic tables and benches, barbecue pits, shower and paved parking area.

B. Project Description:

The primary improvement is the replacement of the old restroom facilities and broken concrete picnic tables and benches.

C. Solid Waste Management Plan:

1. All cleared, grubbed and demolished materials will be buried on site. No material will be allowed to be disposed of within the County of Maui sanitary landfill.
2. All yard debris will be compost and reused within the landscaped areas.
3. Refuse collection is presently done by a private collection firm under contract with the Department of Parks and Recreation. This is not expected to change even after completion of the proposed improvements.
4. Contractor for the project will be encouraged to reuse and/or recycle construction material (solid waste). This requirement will be noted in the construction plans and specifications.

APPENDIX "C"

APPROVAL OF WATER AND SEWER  
SERVICES CONNECTION



July 31, 1992

Mr. Armand Padua  
 Deputy Director  
 Department of Parks and Recreation  
 County of Maui  
 1580 Kaahumanu Avenue  
 Wailuku, Maui, Hawaii 96793

RECEIVED  
 1992 JUL 24 PM 4:13  
 DEPARTMENT OF PARKS AND RECREATION  
 COUNTY OF MAUI

Dear Mr. Padua:

Subject: Improvements to D.T. Fleming Beach Park  
 TMK: 4-2-04:16  
 Honokahua, Kapalua, Maui, Hawaii

We are in receipt of your letter of June 4, 1992 requesting for potable and non-potable water service connections and sewer service connection for the subject project. Your request for the service connections have been approved subject to the following conditions:

1. Kapalua Water Company, Ltd. and Kapalua Waste Treatment Company, Ltd. are PUC regulated companies. A copy of the current Rules and Regulations for both companies and a copy of a brochure explaining Kapalua Water Company, Ltd. customer rights and responsibilities are enclosed for your information and files. Also enclosed are copies of the current rate schedules. All consumers will be billed by each of the utility companies according to the appropriate rate schedule on a monthly basis.
2. An application for both potable and non-potable water services must be submitted to Kapalua Water Company, Ltd. for the installation of the desired water meters. A copy of the application is being enclosed for your use. There will be a charge for the installation of the water meters and is dependent on the size of the water meter installed and the associated material and time costs. A bill will be submitted to the consumer for the installation costs.
3. Existing 2-inch water lateral shall be plugged at corporation stop connection with existing 6-inch waterline. New service connection to existing 12-inch non-potable line shall be a minimum of 2-feet from existing 12"x12"x6" for the fire hydrant. New service connection shall be in accordance with Department of Water Supply, County of Maui standards.

Mr. Armand Padua  
July 31, 1992  
Page 2

4. Installation of SMH#1 on existing 12-inch sewerline shall be accomplished with no disruption of flow. All work shall be coordinated with Kapalua Waste Treatment Company, Ltd.
5. Kapalua Water Company, Ltd. and Kapalua Waste Treatment Company, Ltd. shall be informed of installation schedule and shall inspect and approve all installation work prior to backfilling of trenches. In addition, a pre-construction meeting shall be scheduled between the contractor and Kapalua Waste Treatment Company, Ltd. and Kapalua Water Company, Ltd.

If you have any questions or wish to discuss any of the above, please feel free to call me.

Sincerely,



Warren A. Suzuki  
Director of Project Coordination

WAS/dk

Enclosures

c: Hideo Kaya (w/encs.)  
Denis Toshikiyo "  
Bill Wilmore "



Kapalua

APPENDIX "D"

COMMISSION ON  
PERSONS WITH DISABILITIES'  
DOCUMENT REVIEW



## COMMISSION ON PERSONS WITH DISABILITIES

Five Waterfront Plaza, Suite 210, 500 Ala Moana Blvd., Honolulu, HI 96813, Ph. 548-7606 (V/TDD)  
586-8121 (V/TDD)  
586-8129 (FAX)

October 6, 1992

### Final Document Review

Fleming Beach Park Improvements

Project No. 92-34

Documents Reviewed:

Plans dated. 9/92  
Specs dated. Not Indicated

Architect:

Tanaka Engineers, Inc

As submitted, the document(s) reviewed appear(s) to meet the Uniform Federal Accessibility Standards (UFAS) as required by HRS 103-50.

The above constitutes review and recommendations on this project to determine whether or not the building or facility is designed in accordance with the Uniform Federal Accessibility Standards (UFAS), per Hawaii Revised Statutes (HRS) 103-50. Final responsibility to comply with HRS 103-50 rests with the State or County agency overseeing the project.

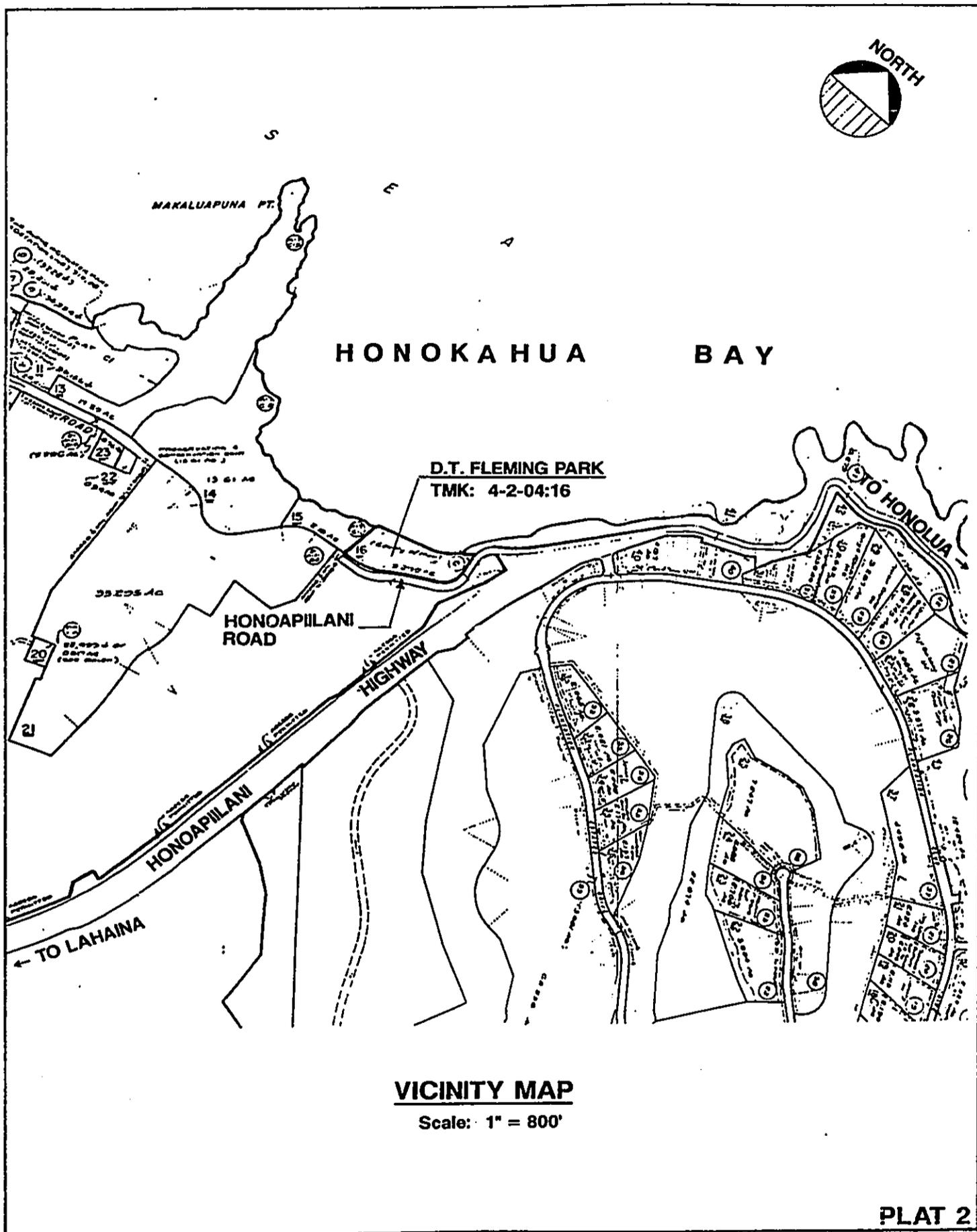
Reviewed by:

A handwritten signature in cursive script that reads "Thomas A. Mundy".

Thomas A. Mundy  
Facility Access Technician

X. EXHIBITS

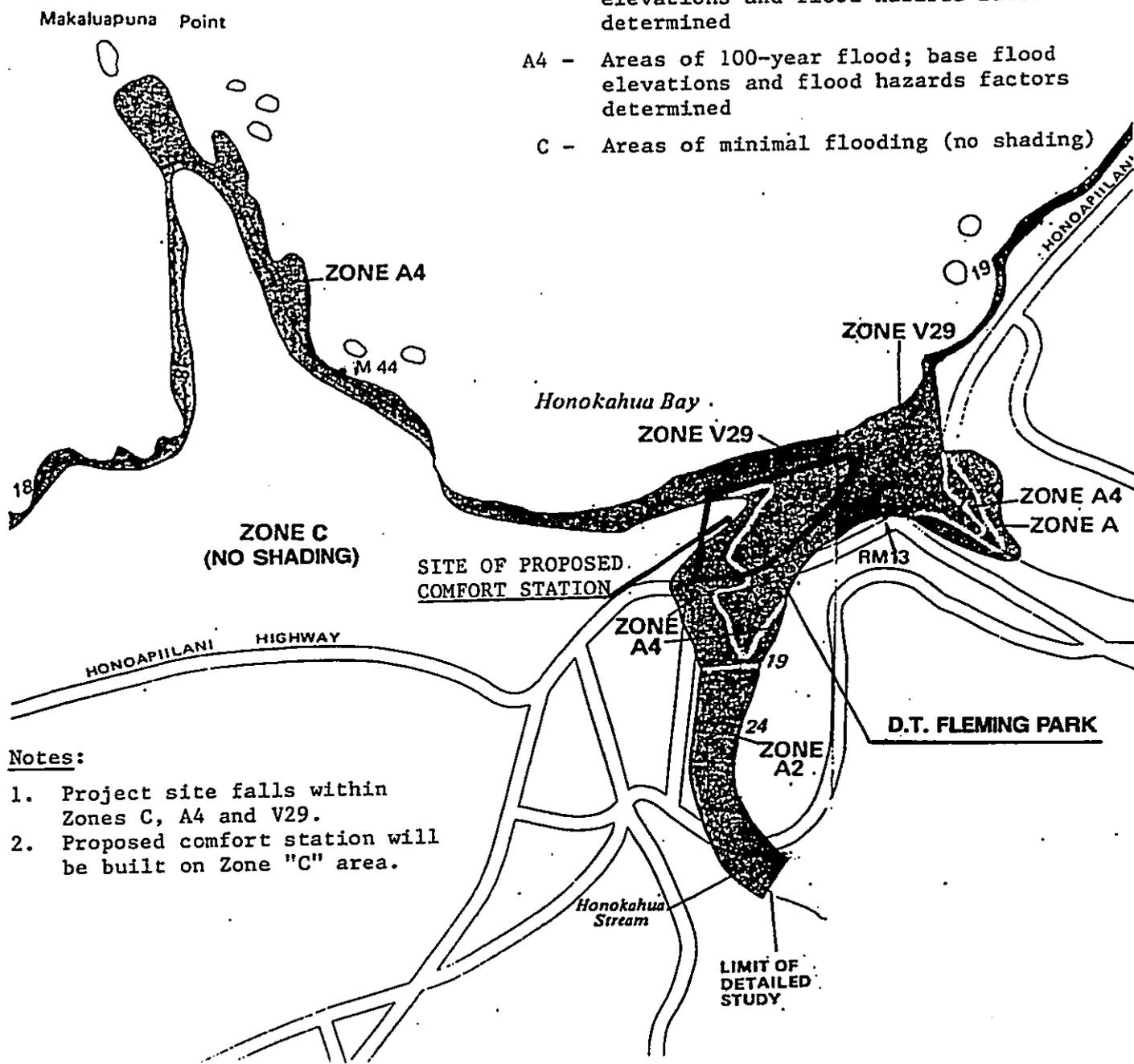




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Zone Designation

- V29 - Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazards factors determined
- A4 - Areas of 100-year flood; base flood elevations and flood hazards factors determined
- C - Areas of minimal flooding (no shading)



Notes:

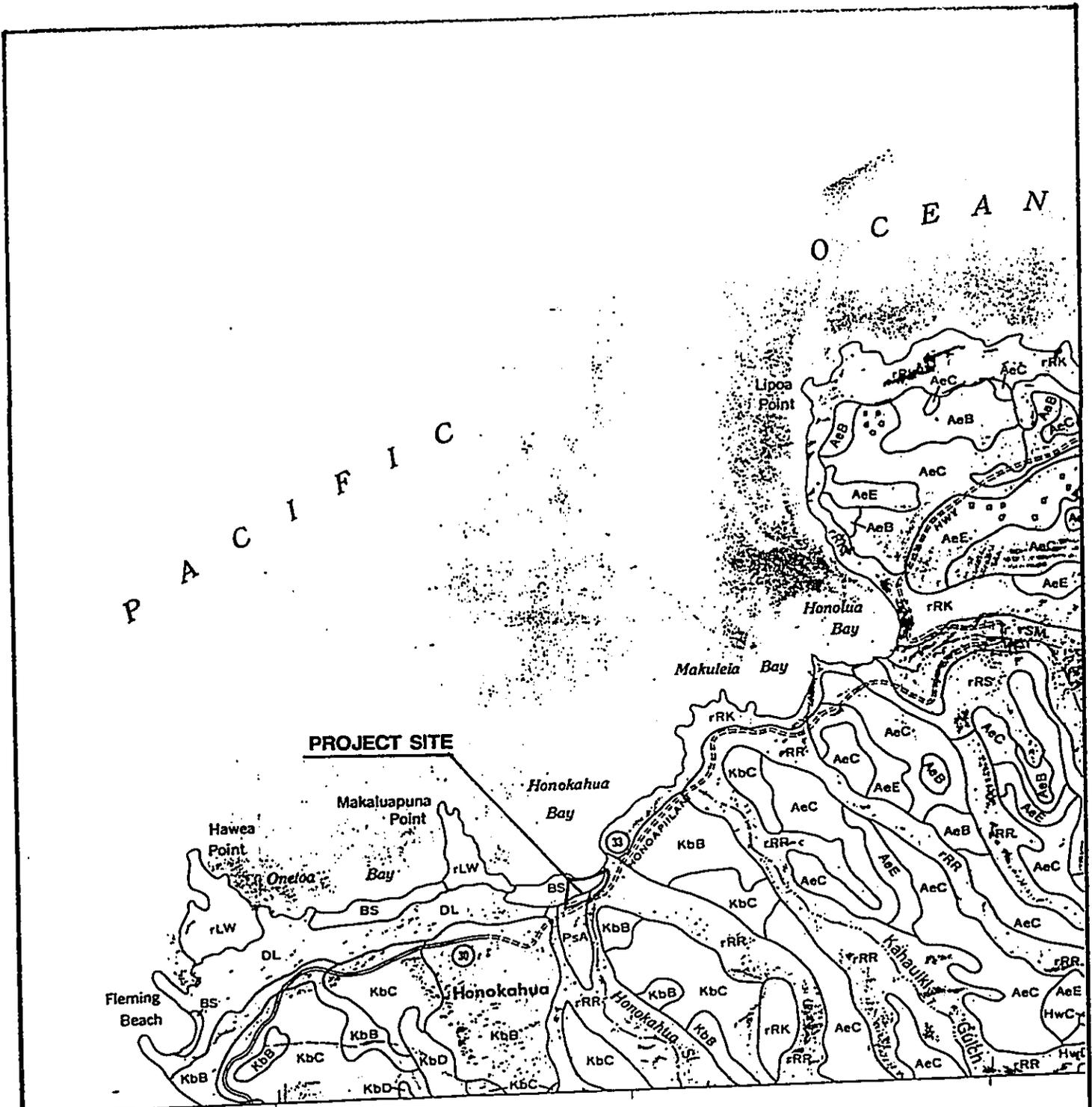
1. Project site falls within Zones C, A4 and V29.
2. Proposed comfort station will be built on Zone "C" area.

Ref.:  
Flood Insurance Rate Maps  
Panels 138B & 139B  
June 1, 1981

**FLOOD MAP**

Scale: 1" = 500'

**PLAT 3**

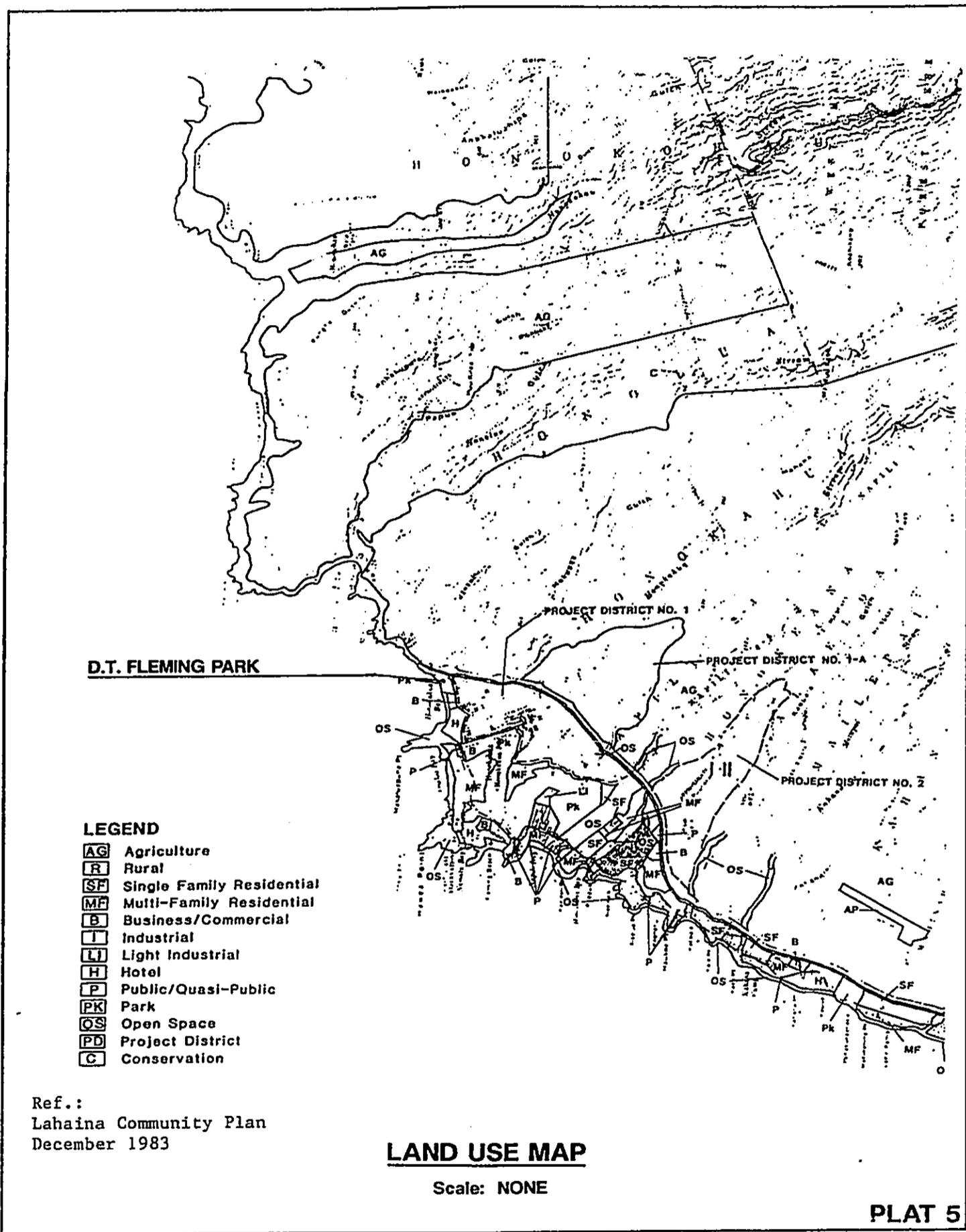


Reference:  
 Soil Survey of Islands of Kauai,  
 Oahu, Maui, Molokai and Lanai,  
 State of Hawaii  
 August 1972

**SOILS MAP**

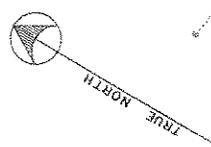
Scale: 1" = 2,000'

**PLAT 4**

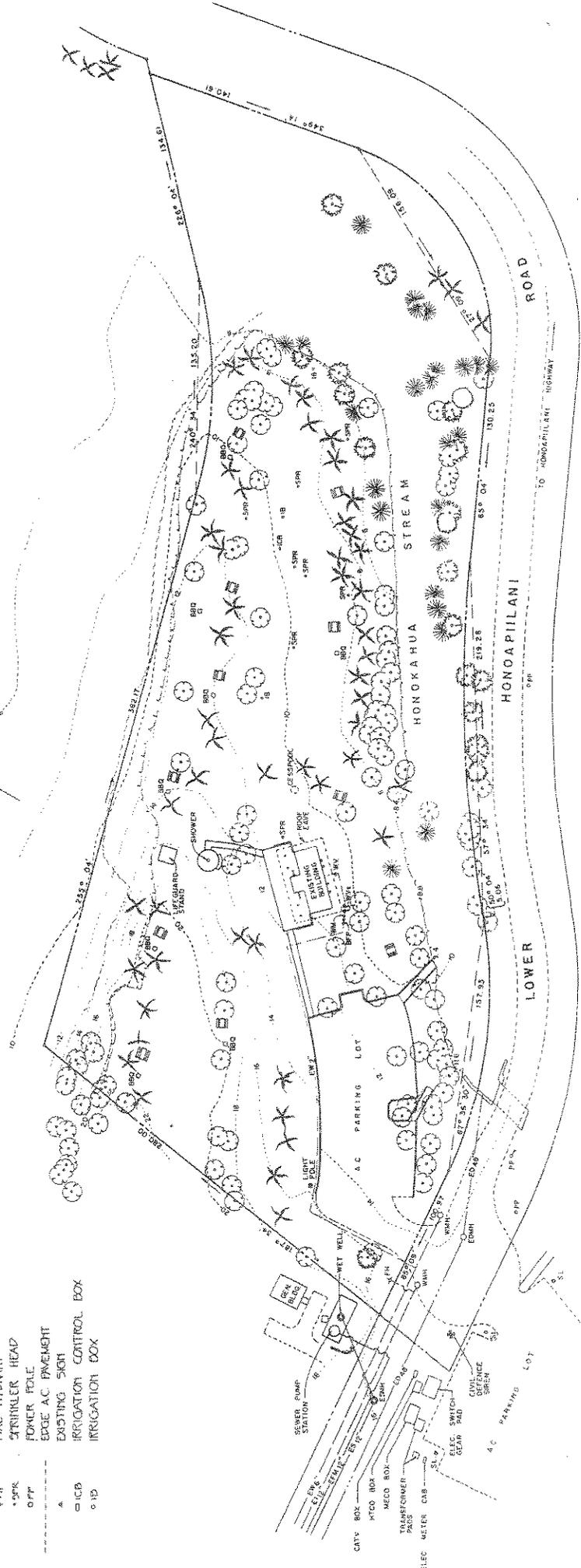


**LEGEND:**

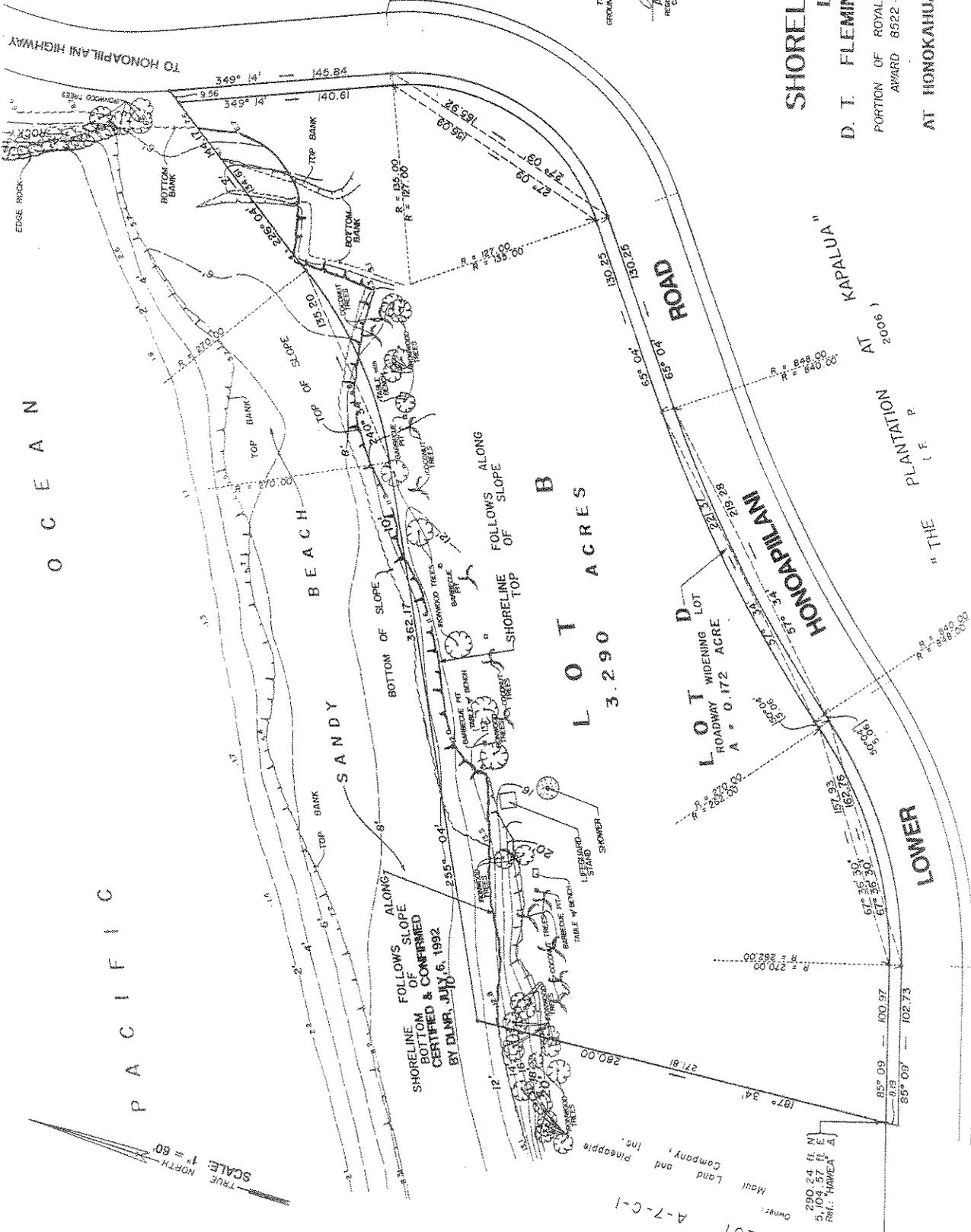
- IRONWOOD TREE
- KIAMI TREE
- WILLO TREE
- COCONUT TREE
- BOTTOM BREAK
- TOP DIGGAK
- PICNIC TABLE & BENCH
- DARDEQUE FIT
- EXISTING WATERLINE
- EXISTING SENEURINE
- EXISTING FOREMARR
- EXISTING DRAINLINE
- EXISTING IRRIGATION LINE
- EXISTING DRAIN MANHOLE
- EXISTING SEWER MANHOLE
- WATER VALVE
- WATER WASHHOLE
- FIRE HYDRANT
- STRINKLER HEAD
- FOWER POLE
- EDGE A.C. PAVEMENT
- EXISTING SIGN
- IRRIGATION CONTROL BOX
- IRRIGATION BOX



H O N O K A H U A B A Y



**EXISTING TOPOGRAPHY**  
SCALE: 1" = 60'



TRUE NORTH  
SCALE: 1" = 80'



THIS MAP IS FROM AN ACTUAL SURVEY ON THE GROUND DONE BY ME OR UNDER MY DIRECT SUPERVISION.

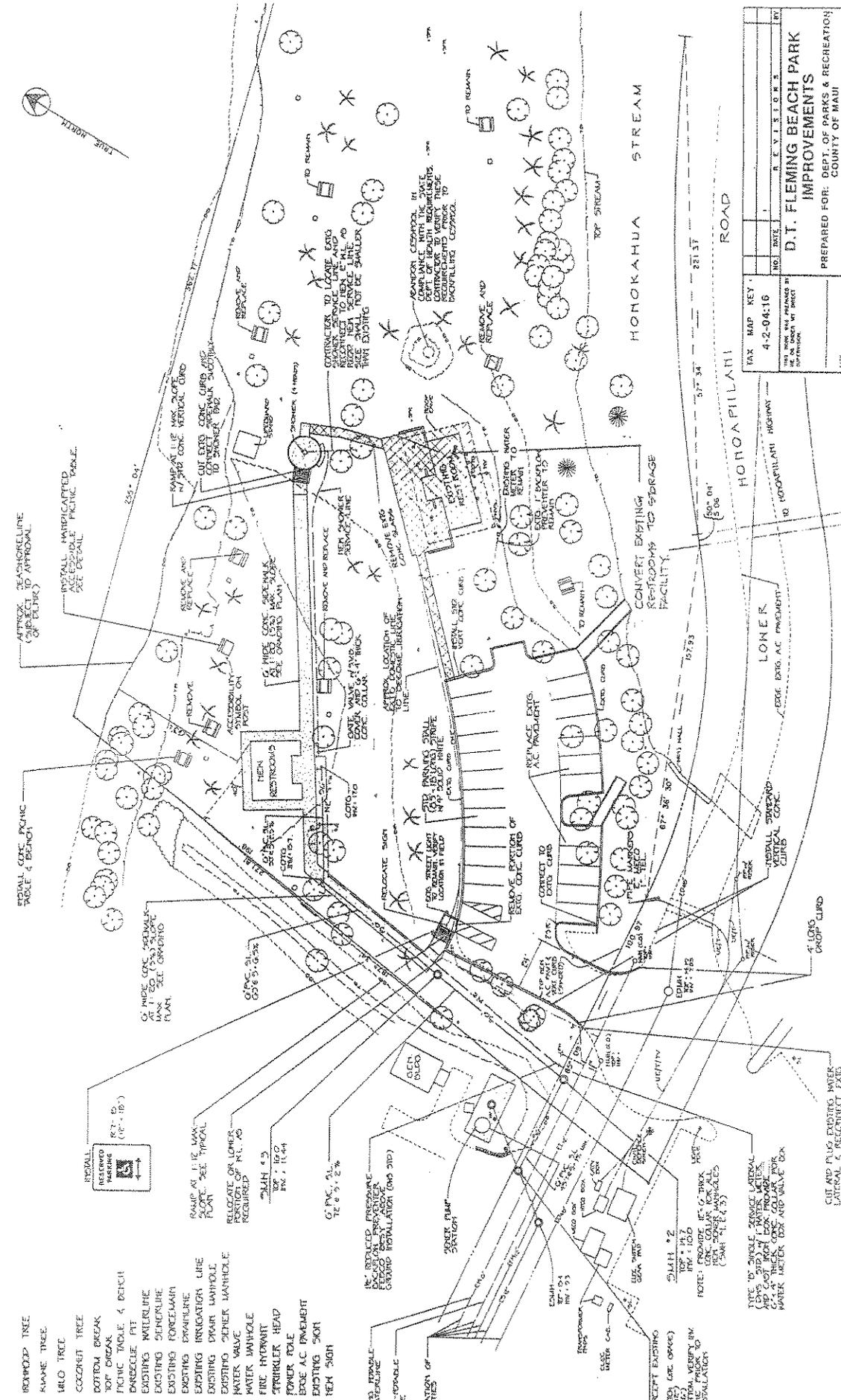
*Albert S. Sasaki*  
ALBERT S. SASAKI  
REGISTERED PROFESSIONAL LAND SURVEYOR  
CERTIFICATE NO. 3770 E-3  
DATE 5/14/92

**SHORELINE SURVEY**  
**LOT B**  
**D. T. FLEMING PARK SUBDIVISION**  
PORTION OF ROYAL PATENT 2236, LAND COMMISSION AWARD 8522-B, APANA I TO KALE DAVIS.  
AT HONOKAHUA, LAHAINA, MAUI, HAWAII

LOT A-7-C-1  
OWNER: Maui Land and Pineapple Company, Inc.  
290.24 ft. N  
104.00 ft. E  
101.71 ft. W  
102.73 ft. S

**LEGEND:**

- BRONZED TREE
- KIAOE TREE
- LILO TREE
- COCONUT TREE
- DOTYUM BRACK
- TOP ORZAK
- FIGURE TABLE 4 BENCH
- DANCEFLE PIT
- EXISTING WATERLINE
- EXISTING SENSURELINE
- EXISTING FORCEMAIN
- EXISTING IRRIGATION
- EXISTING DRAIN LINE
- EXISTING DWARF MANHOLE
- EXISTING DRAINER MANHOLE
- WATER VALVE
- WATER MANHOLE
- FIRE HYDRANT
- STRINKER HEAD
- POWER POLE
- BASE AC FURNADIT
- EXISTING 500R
- REM SIGN

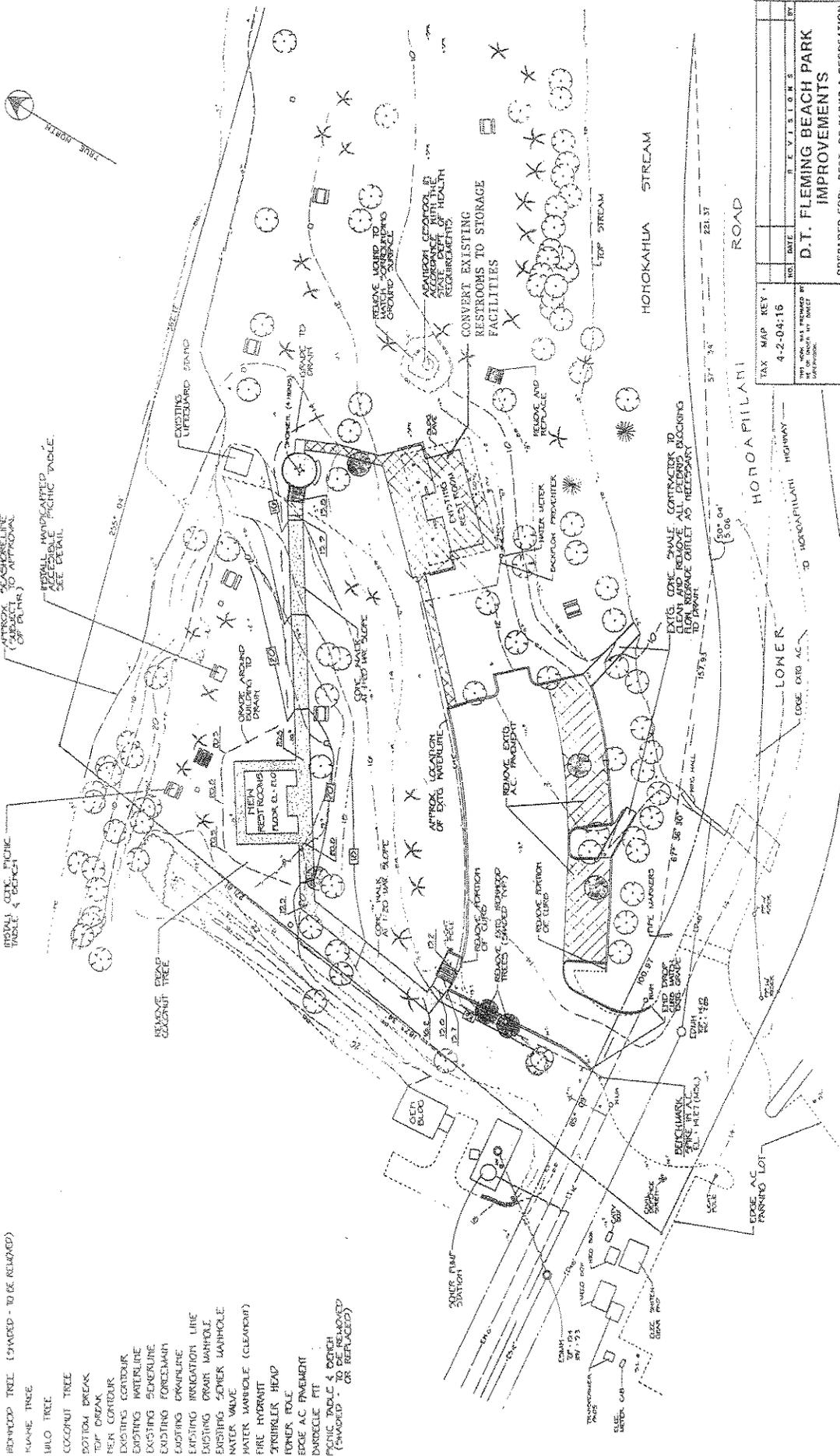


**PROPOSED  
SITE AND UTILITY PLAN**  
SCALE: 1" = 40'

TAX MAP KEY	
NO. DATE	4-2-04:16
THIS BOOK WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION	
<b>D. T. FLEMING BEACH PARK IMPROVEMENTS</b>	
PREPARED FOR: DEPT. OF PARKS & RECREATION COUNTY OF MAUI	
DESIGNED BY	R. T. TARRAKA ENGINEERS, INC.
CHECKED BY	ONE & PHYSICALS CONSULTANTS - LAND SURVEYING
DATE	07/18/04 STREET
PROJECT NO.	071 WILD STREET, SUITE 208 WAIKOLA, MAUI, HAWAII 96793
PHONE NO.	735-261-1857

**LEGEND:**

- BERNARD TREE (SHADE - TO BE REMOVED)
- KAWAHE TREE
- LILO TREE
- COCONUT TREE
- DOTYUM BREAK
- TOP BREAK
- BEK CONTOUR
- EXISTING WATERLINE
- EXISTING SENEURINE
- EXISTING FORESLASH
- EXISTING CRANLINE
- EXISTING IRRIGATION LINE
- EXISTING GRAB HANNOLE
- EXISTING SOWER HANNOLE
- WATER VALVE
- WATER HANNOLE (CLEAROFF)
- FIRE HYDRANT
- TRUNKER HEAD
- TRUNKER POLE
- EDGE A.C. PAVEMENT
- DARKLETT PT
- PICNIC TABLE & BENCH (CHANGED - OR REPLACED)
- BERNARD TREE (SHADE - TO BE REMOVED)
- KAWAHE TREE
- LILO TREE
- COCONUT TREE
- DOTYUM BREAK
- TOP BREAK
- BEK CONTOUR
- EXISTING WATERLINE
- EXISTING SENEURINE
- EXISTING FORESLASH
- EXISTING CRANLINE
- EXISTING IRRIGATION LINE
- EXISTING GRAB HANNOLE
- EXISTING SOWER HANNOLE
- WATER VALVE
- WATER HANNOLE (CLEAROFF)
- FIRE HYDRANT
- TRUNKER HEAD
- TRUNKER POLE
- EDGE A.C. PAVEMENT
- DARKLETT PT
- PICNIC TABLE & BENCH (CHANGED - OR REPLACED)

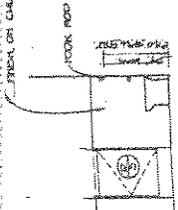


**PROPOSED  
GRADING & DEMOLITION PLAN**

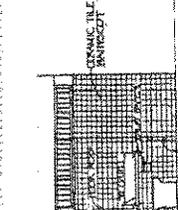
SCALE: 1" = 40'

TAX MAP KEY	NO.	DATE	REVISIONS
4-2-04:16			
PREPARED BY: DEPT. OF PARKS & RECREATION COUNTY OF MAUI			
PROJECT NO.: 04-001 SHEET NO.: 001 TOTAL SHEETS: 001			
ENGINEER: R. T. TANAKA ENGINEERS, INC. CIVIL & STRUCTURAL ENGINEER - LAND DEVELOPMENT			
LICENSE NO.: 10001 REGISTERED PROFESSIONAL ENGINEER MAUI COUNTY, HAWAII			

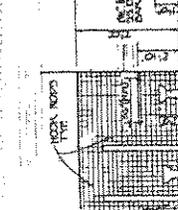
FRONT OR CAB. TYP.



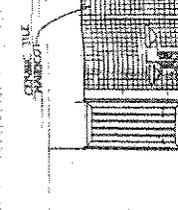
ELEV. A - MEN  
(FRONT OR CAB. EXCEPT ROBBERS)



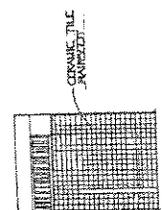
ELEV. C - MEN  
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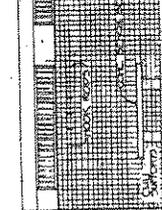
ELEV. D - MEN



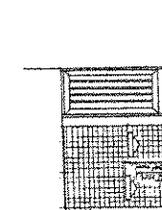
ELEV. B - WOMEN  
(FRONT OR CAB. EXCEPT ROBBERS)



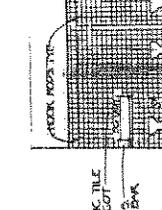
ELEV. D - WOMEN  
(FRONT OR CAB. EXCEPT ROBBERS)



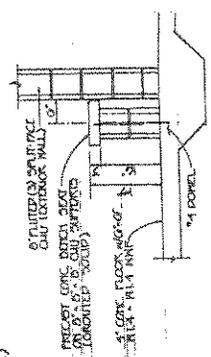
ELEV. C - WOMEN  
(FRONT OR CAB. EXCEPT ROBBERS)



ELEV. B - WOMEN

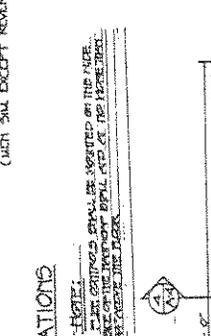


ELEV. A - WOMEN



NOTE: CONCRETE BENCH SEATS TO BE PRECASTED AND MANUFACTURED BY WALKER BRIDGES INC. OR APPROVED EQUAL.

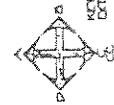
DETAIL - CONCRETE BENCH



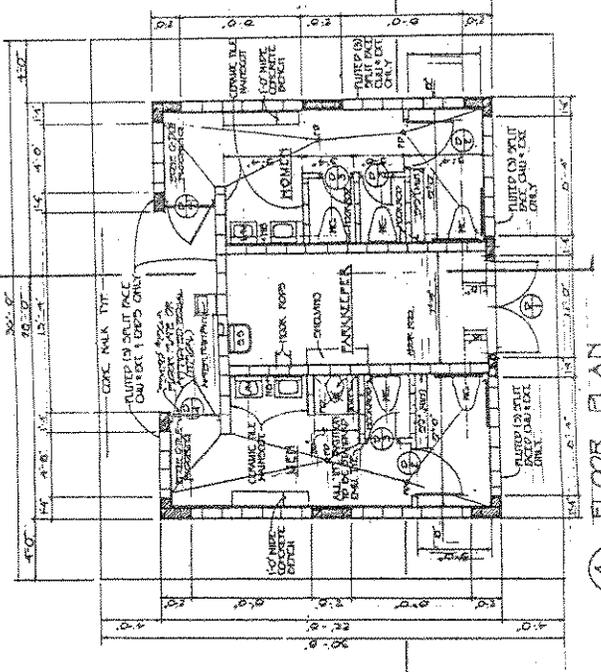
INTERIOR ELEVATIONS  
SCALE: 1/8" = 1'-0"

NOTES:  
1. ALL INTERIOR SURFACES TO BE FINISHED AS SHOWN.  
2. ALL INTERIOR WALLS TO BE FINISHED AS SHOWN.  
3. ALL INTERIOR FLOORS TO BE FINISHED AS SHOWN.

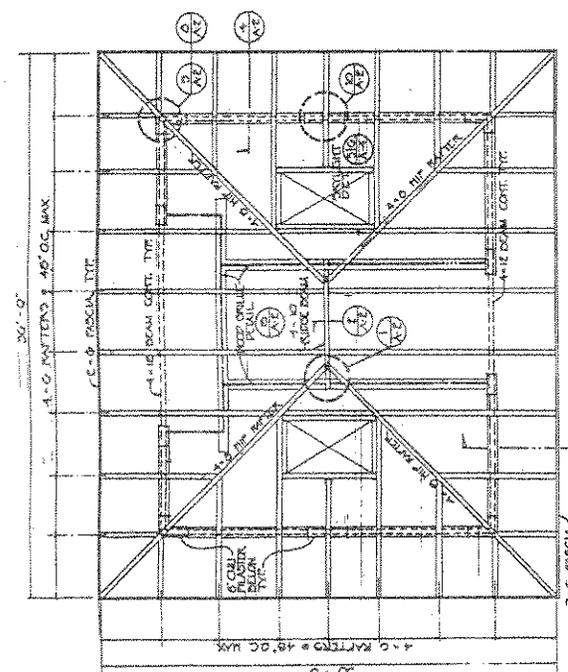
PROPOSED COMFORT STATION  
FLOOR PLAN, ROOF FRAMING  
PLAN, FOUNDATION PLAN  
AND INTERIOR ELEVATIONS



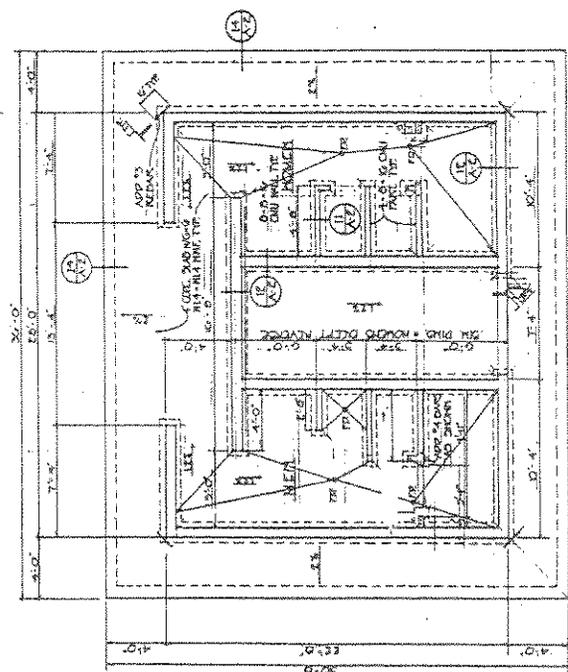
NOT TO INTERFERE WITH EXISTING ELEVATIONS



FLOOR PLAN

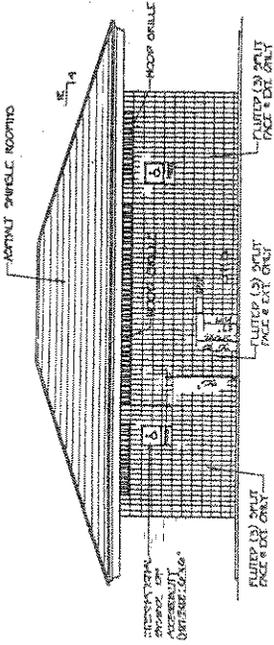


ROOF FRAMING PLAN  
SCALE: 1/4" = 1'-0"

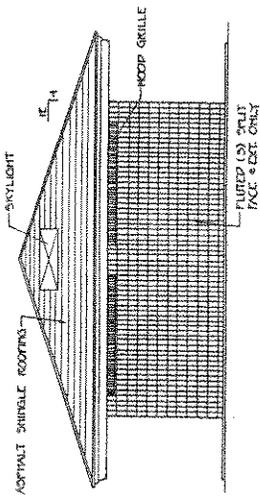


FOUNDATION PLAN

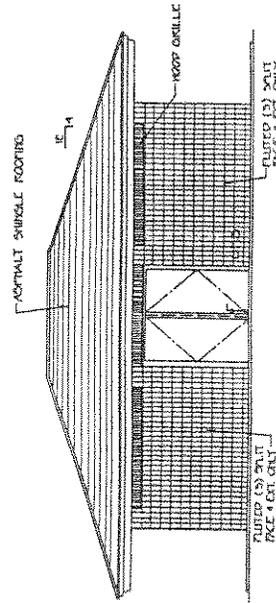
PROPOSED COMFORT STATION  
EXTERIOR ELEVATIONS  
AND SECTIONS



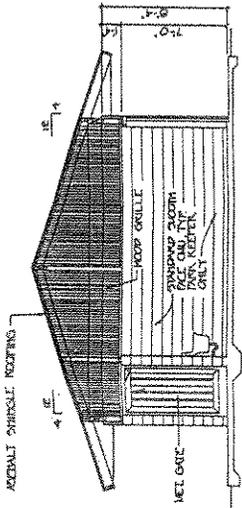
1 ELEVATION 'C'  
SCALE: 1/4" = 1'-0"



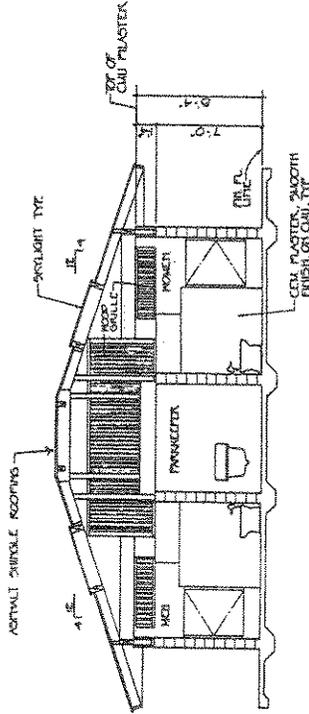
2 ELEVATION 'B' (ELEVATION 'D' IDENTICAL)  
SCALE: 1/4" = 1'-0"



3 ELEVATION 'A'  
SCALE: 1/4" = 1'-0"



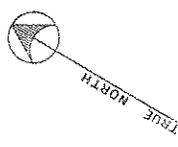
4 SECTION  
A-A SCALE: 1/4" = 1'-0"



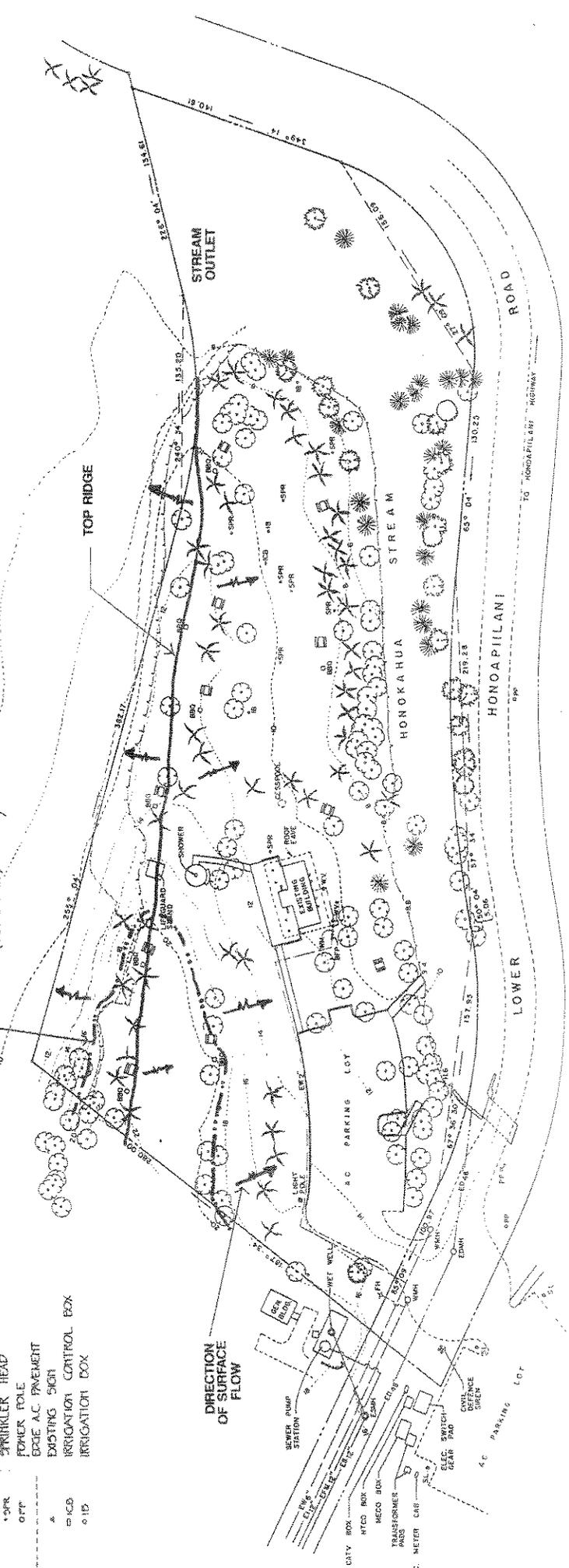
5 SECTION  
A-A SCALE: 1/4" = 1'-0"

**LEGEND:**

- IRIWOOD TREE
- KUANE TREE
- UALO TREE
- COCONUT TREE
- BOTTOM BREAK
- TOP BREAK
- PICNIC TABLE & BENCH
- DRYWELL PIT
- EXISTING WATERLINE
- EXISTING SUNKENLINE
- EXISTING FORELMAIN
- EXISTING DRAINLINE
- EXISTING IRRIGATION LINE
- EXISTING DRAIN MANHOLE
- EXISTING SEWER MANHOLE
- WATER VALVE
- WATER MANHOLE
- FIRE HYDRANT
- SPRINKLER HEAD
- POWER POLE
- EDGE A.C. PAVEMENT
- EXISTING SIGN
- IRRIGATION CONTROL BOX
- IRRIGATION BOX



APPROX. LIMITS OF  
100 YR. INUNDATION LIMITS  
AT 19 FT. ELEV.  
(ZONE V 29)



**EXISTING DRAINAGE FLOW PATTERN**

SCALE: 1" = 60'