

BENJAMIN J. CAYETANO
GOVERNOR

*Kamehameha Highway Widening Waipio Uka Street to
Ka Uka Blvd.*



KAZU HAYASHIDA
DIRECTOR

DEPUTY DIRECTORS
JERRY M. MATSUDA
GLENN M. OKIMOTO

RECEIVED

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION '96 AUG 19 A8:44
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

IN REPLY REFER TO:

OFF. OF ENVIRONMENTAL
QUALITY CONTROL

HWY-DD
2.1322

August 9, 1996

Mr. Gary Gill, Director
Office of Environmental Quality Control
220 South King Street, 4th Floor
Honolulu, Hawaii 96813

Dear Mr. Gill:

Subject: Finding of No Significant Impact for Kamehameha
Highway Widening, Waipio Uka Street to Ka Uka
Boulevard, Federal-Aid Project No. NH-STP-099-1(12),
Waipahu, Hawaii, TMK: 9-4-115:9,33; and 9-4-05

The Department of Transportation has reviewed the comments received during the 30-day public comment period which began on April 8, 1994. The agency has determined that this project will not have a significant environmental effect and has issued a Finding of No Significant Impact. Please publish this notice in the August 22, 1996 OEQC Bulletin.

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

Please contact Jeffrey Fujimoto at 587-2249 if you have any questions.

Very truly yours,

A handwritten signature in black ink, appearing to read "Hughy. Ono".

HUGHY. ONO
Administrator
Highways Division

Enc.

103

1996-09-08-0A-FAA-Kamehameha Highway Widening
Waipio Uka Street to Ka Uka Blvd.

SEP 8 1996

FILE COPY

**FINAL
ENVIRONMENTAL ASSESSMENT**

**KAMEHAMEHA HIGHWAY WIDENING
WAIPIO UKA STREET TO KA UKA BOULEVARD**

Prepared for

State of Hawaii
Department of Transportation
Highways Division

August 1996

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Chapter 1

Project Overview

I. **PROJECT OVERVIEW**

A. **PROJECT LOCATION**

The State of Hawaii, Department of Transportation, Highways Division proposes to widen the Kamehameha Highway, beginning 400 feet northwest of Waipio Uka Street and ending 400 feet northwest of Ka Uka Boulevard (TMK 9-4-115:9,39; and 9-4-05). The total project length is approximately eight-tenths of a mile.

The project is located in the Waikele-Gentry Waipio area in Waipahu, Oahu. See Figure 1. Abutting the southwest side of the highway are pineapple fields, owned by Castle & Cooke. To the northwest side of the highway are several commercial buildings and vacant land owned by Gentry Waipio.

B. **EXISTING ROADWAY SYSTEM**

Access routes into and out of the Gentry Waipio Community are limited by the existing narrow lanes on Kamehameha Highway.

The existing Kamehameha Highway is a three lane arterial highway providing one lane in each direction with the third lane providing a turning lane into Waipio Uka Street and Ka Uka Boulevard. The posted speed limit on Kamehameha Highway varies from 35-45 miles per hour. Waipio Uka Street and Ka Uka Boulevard are four-lane roadways that terminate at Kamehameha Highway forming T-intersections. Waipio Uka Street and Ka Uka Boulevard form the traffic signal controlled stems of the T-intersections. At the intersection, separate right-turn and left-turn lanes are provided on Waipio Uka Street and Ka Uka Boulevard. The posted speed limit on Waipio Uka Street is 25 miles per hour and 35 miles per hour on Ka Uka Boulevard.

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Chapter 11

**Project Need and
Proposed Action**

II. PROJECT NEED AND PROPOSED ACTION

A. DESCRIPTION OF PROJECT NEED

The increased growth in the Waikele-Gentry Waipio area as well as the Mililani area has resulted in an increase in through traffic on Kamehameha Highway. As further growth in these regions occur, the through traffic is also expected to increase.

Traffic congestion on Kamehameha Highway is generally attributed to system deficiencies. The existing Kamehameha Highway between Waipio Uka Street and Ka Uka Boulevard is inadequate in terms of carrying capacity. During the AM and PM peak hour, the intersections of Kamehameha Highway with Waipio Uka Street and with Ka Uka Boulevard operates at capacity. Traffic along Kamehameha Highway becomes heavily congested.

The State Department of Transportation has recently completed the construction on the widening of Kamehameha Highway, from Lumiana Street to Waipio Uka Street, to four lanes. The proposed project is a continuation of this widening.

B. DESCRIPTION OF THE PROPOSED ACTION

The proposed project consists of widening Kamehameha Highway from a 3-lane undivided highway to a 4-lane divided highway. Improvements also consist of constructing paved shoulders and concrete sidewalks; grading a earth berms; and installing drainage system, highway lightings. Additional Right-of-Way will also be acquired. See Figure 2A, 2B, 3A and 3B. The highway lightings will improve night visibility and safety of the highway. Eight (8) foot paved shoulders will be constructed on the inbound and outbound sides of the highway which can accomodate the State Master Plan future proposed bike route.

The proposed project also involves roadway excavation. Part of the excavated material will be used to construct a berm along the northeast side of the highway. Any surplus of excavated material shall become the property of the Contractor.

The outbound approach on Kamehameha Highway at the Waipio Uka Street and Ka Uka Boulevard intersections includes deceleration lanes and acceleration lanes while the inbound approach includes storage/exclusive left-turn lanes.

**OVERSIZED
DRAWING/MAP**

**PLEASE SEE
35MM ROLL**

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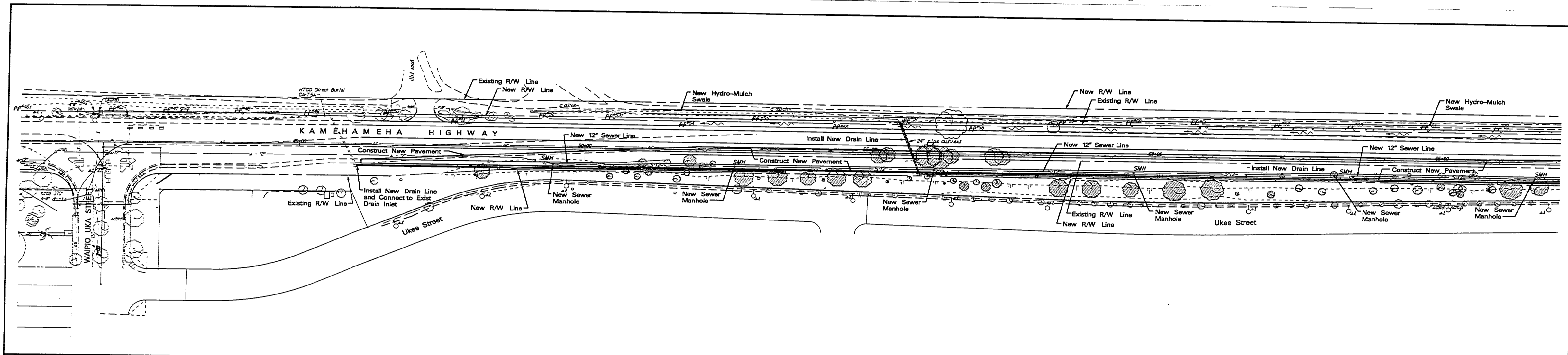


Figure 2A



Prepared for: State of Hawaii, Department of Transportation, Highways Division

**KAMEHAMEHA HIGHWAY WIDENING
 WAIPIO UKA STREET TO KA UKA BOULEVARD
 Construction Plan**

**OVERSIZED
DRAWING/MAP**

**PLEASE SEE
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**OVERSIZED
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**PLEASE SEE
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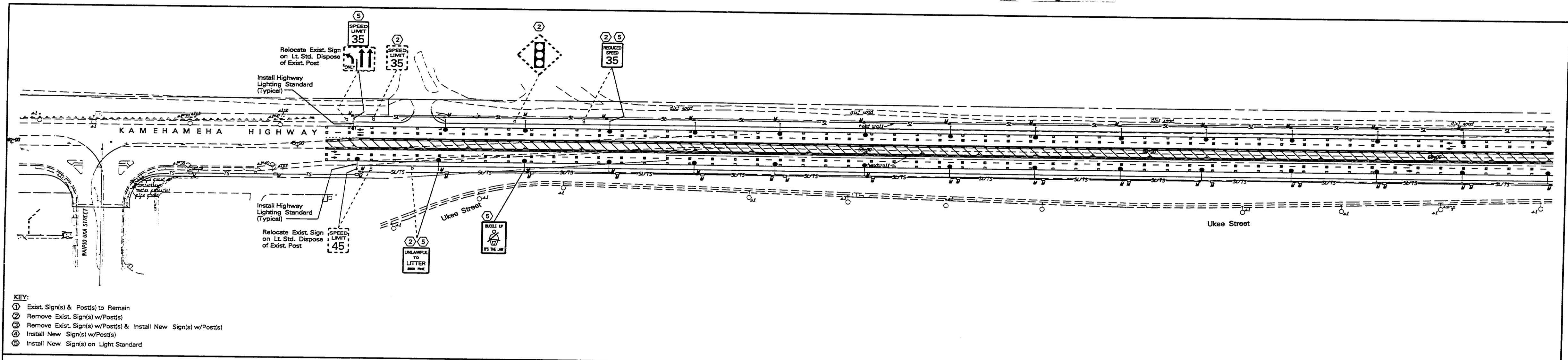


Figure 3A



Prepared for: State of Hawaii, Department of Transportation, Highways Division

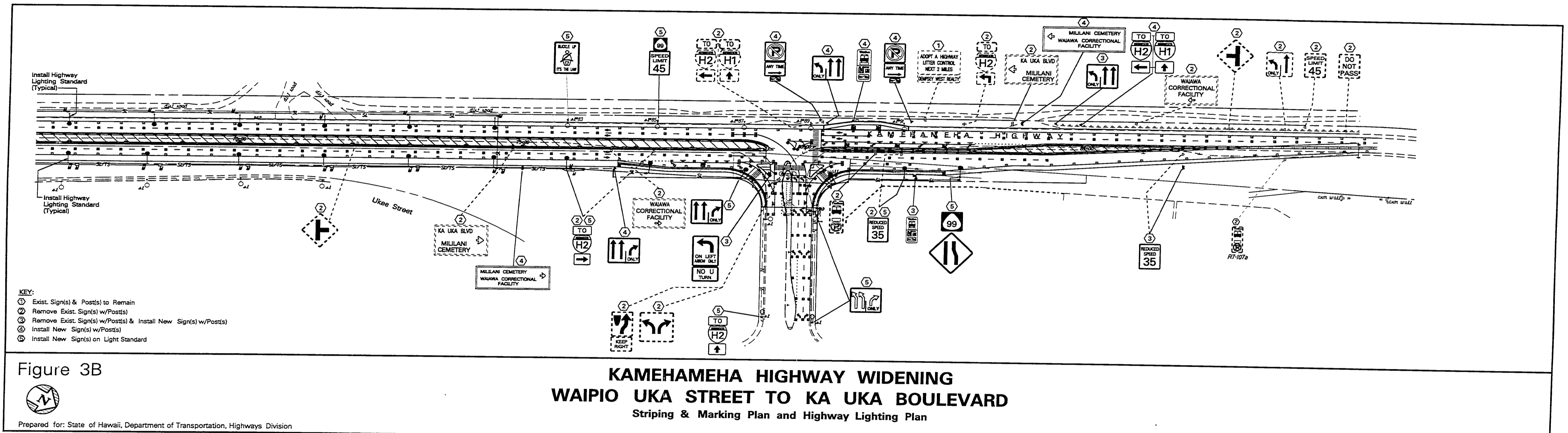
KAMEHAMEHA HIGHWAY WIDENING
WAIPIO UKA STREET TO KA UKA BOULEVARD
 Striping & Marking Plan and Highway Lighting Plan

Not to Scale
0076

**OVERSIZED
DRAWING/MAP**

**PLEASE SEE
35MM ROLL**

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Chapter III

**Description of the
Existing Environment**

III. DESCRIPTION OF THE EXISTING ENVIRONMENT

A. PHYSICAL ENVIRONMENT

1. Surrounding Land Uses

The project site contains a diverse range of commercial and public uses, as well as new and established older residential areas.

To the southwest side of the project site are pineapple fields. To the northwest side of the project site are commercial buildings and the Gentry Waipio residential neighborhood.

2. Climate

Like most areas of Hawaii, Oahu's climate is relatively uniform year-round. Characteristic of Hawaii's climate, the project site experiences mild and uniform temperatures year-round and moderate humidity.

The median annual rainfall averages approximately 30 to 35 inches, most of which occurs mostly in November through April. The months of May through October are normally dry. The design 25-year 1-hour rainfall is 3 inches. The predominant wind direction is from a northeast to east direction.

3. Topography and Soil Characteristics

The land surface of the project site is relatively flat. The surface soil for this project is Molokai Silty Clay Loam. This soil is part of the Molokai Series of soils which consists of well-drained soils on the islands of Oahu, Maui, Lanai and Molokai.

4. Flora and Fauna

The project site is located in the midst of the urbanized district of Ewa. The land to the southwest of Kamehameha Highway is agricultural land used for the cultivation of pineapple.

Pineapple lands can be classified as man-modified ecosystems, that is, the environment is modified and more or less controlled by man. Pineapple is grown as a economic plant species, which also

forms the monodominant plant cover. A number of weedy (or ruderal) plant species, characteristic of agricultural lands, can also be found within the pineapple fields. The majority of the weedy species are found alongside the roads and accompanying network of irrigation ditches that transect and border the fields. Most of these weedy species are annuals and are adapted to the frequent disturbances which accompany cultivation practices. These weedy species generally form a low-growing herbaceous cover which may grow from 1 to 3 feet high in places where there is more available moisture such as along irrigation ditches.

To the northeast of Kamehameha Highway is the Gentry Waipio Community. Directly alongside the highway is a grassed area which includes a number of ornamental tree species such as banyan trees, royal poinciana, African tulip, monkeypods, ficus benjamina, norfolk island pine, kukui, olive species, pine species, pink tecoma, rainbow shower, and yellow tecoma. The roadway widening will require the removal or relocation of the majority of the trees. According to State DLNR, Division of Forestry and Wildlife, there are no known rare, endangered or threatened species of plants within or surrounding the project site. See Attachment No. 1.

Due to the existing agricultural use of the project site, insects, avifauna, and mammals populating the site are largely exotic in nature, and not considered rare or endangered species. Various common bird species found in the area include the barred dove, lace-necked dove, common mynah, red-crested cardinals, and house sparrows.

Feral mammals typically found in the area include cats, rats, mice and indian mongoose. Butterflies, of common variety, may also be abundant. According to U.S. Department of the Interior, Fish and Wildlife Services, there are no known rare, endangered or threatened species of fauna or avifauna found within the vicinity of the project site. See Attachment No. 2.

5. Historical and Archaeological Characteristics

Early consultation with State Historic Preservation Division (SHPD) was conducted as part of this project. The SHPD noted that the parcel along Kamehameha Highway was previously used for commercial agriculture, thus indicating that the land surface was disturbed, making the presence of historic sites unlikely. The SHPD has determined that there are "no effect" on historic sites. See Attachment No. 3.

6. Air Quality

Air quality in the Waikele-Gentry Waipio region is considered good as point source (e.g. pineapple cultivation). The major non-point source of emission is from automobiles. The highest amount of automobile emission occur during peak traffic hours when congestion occurs. The region's constant exposure to winds quickly disperse concentrations of emissions, which creates a relatively high quality of air.

7. Noise Characteristics

Traffic noise and activities of the surrounding urban area are the primary sources of background noise in the project area. Traffic noise is more substantial during peak traffic hours.

8. Visual Resources

The property is currently utilized as an existing urban roadway. The existing roadway and the additional area needed for the widening are not part of any scenic corridor.

B. SOCIO-ECONOMIC ENVIRONMENT

1. Population

The population of the Gentry Waipio area has exhibited relatively strong growth over the past decade with the 1990 population estimated to be 5,304, a 29.7% increase over the 1980 population of 4,091. Growth in the Gentry Waipio region is expected to continue.

2. Economy

The Gentry Waipio region is growing in governmental activities, as well as a focal point for professional and business services. In addition, the region is surrounded by significant agricultural acreages of pineapple fields. The vast expanse of agricultural land, managed by the Dole company is considered a key component of the local economy.

C. PUBLIC SERVICE

1. Police and Fire Protection

Present police facilities are located at the substation in Pearl City, approximately 1.50 miles from the project site. The Honolulu Police Department considers protection in the area adequate.

The project area receives fire protection from the City Fire Department located at the Pearl City station, approximately 1.50 miles from the project site.

2. Health Care

Health Care for the Gentry Waipio residents is available at the Saint Francis Hospital on the Ewa end of Waipahu. In addition, numerous privately operated medical/dental clinics and offices are located in the area to serve the region's residents.

3. Solid Waste

Single-family residential solid waste collection service is provided by the Department of Public Works, Division of Refuse Collection and Disposal on a twice-a-week basis. Residential solid waste collected are being disposed at the Waipahu Incinerator.

4. Recreation Resources

There are presently two recreational parks in the Gentry Waipio area, the Waipio Neighborhood Park and the Crestview Community Park. The proposed Waiola Regional Park to the southwest side of Kamehameha Highway is currently under City Council review and may provide additional services to area residents.

5. Schools

The Gentry Waipio region is served by the State Department of Education public school system. The school facilities include Kanoelani Elementary school (Grades K to 6), located in the Gentry Waipio Community; and Highland Intermediate school (Grades 7 and 8) and Pearl City High school located in the Pearl City area.

D. INFRASTRUCTURE

1. Wastewater

Domestic wastewater generated in the Gentry Waipio region is conveyed to the County's Honouliuli sewer treatment plant. The design capacity of the facility is 75 million gallons per day.

There is a 12-inch sewer line running along Kamehameha Highway that is used as a backup to the Mililani Effluent Disposal Line.

2. Water

The Waipio Gentry region is served by the Board of Water Supply's (BWS) domestic water system.

3. Drainage

Runoff from Kamehameha Highway between Waipio Uka Street and Ka Uka Boulevard flow into an existing earth ditch running along the southwest side of the Highway.

4. Electrical and Telephone Services

Electrical service is currently provided to the adjacent properties via overhead power lines which are located along the southwest side of Kamehameha Highway. The telephone service is through direct burial (underground) telephone lines which also run along the southwest side of Kamehameha Highway. ✓

Chapter IV

**Potential Impacts and
Mitigation Measures**

IV. POTENTIAL IMPACTS AND MITIGATION MEASURES

A. PHYSICAL ENVIRONMENT

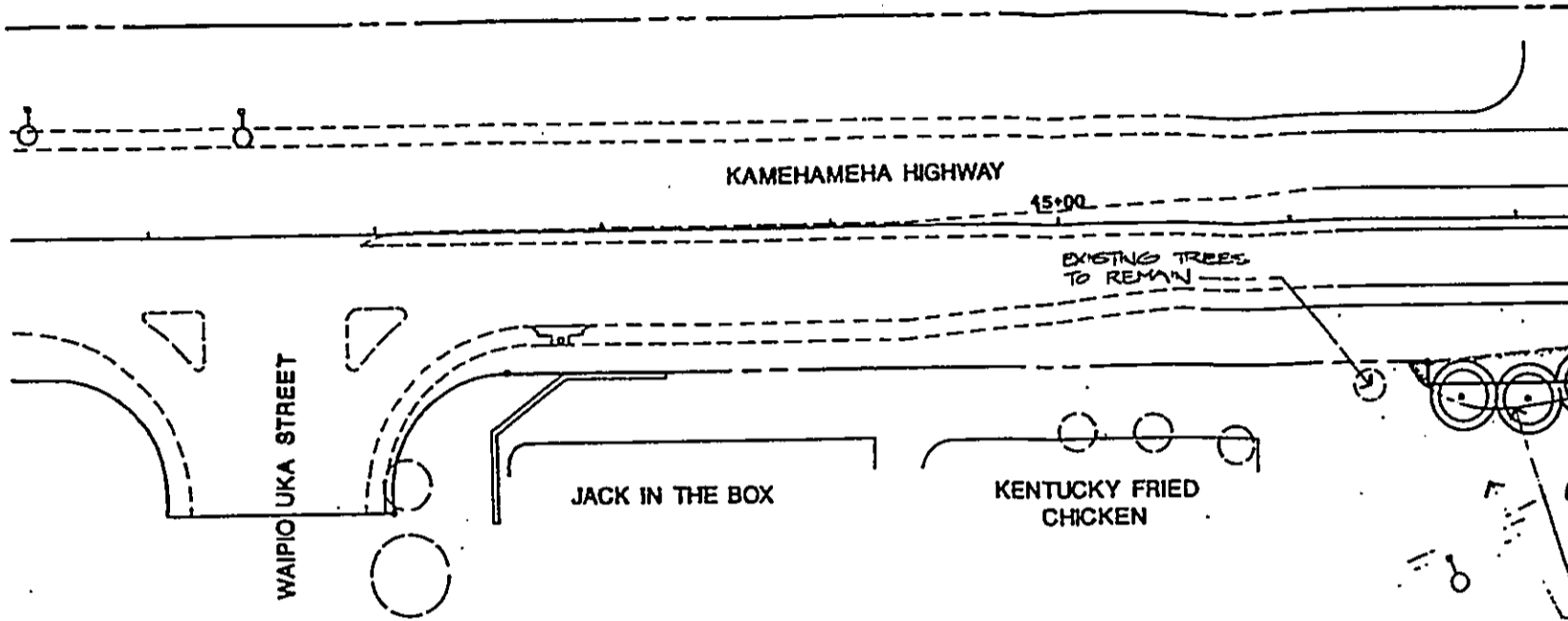
1. Surrounding Lane Uses

The project site is located within the urbanized district of Waipio. As previously noted, the Waipio region contains a diverse range of commercial and public uses, as well as new and older established residential area in the midst of the town. Land uses surrounding the project site are characteristic of the region. The proposed project will be complementary to surrounding land uses.

2. Flora and Fauna

As stated earlier, there are no known significant habitats or rare, endangered or threatened species of flora and fauna within or surrounding the project site. However, the highway widening and grading of the berm will require the removal of the majority of the flora adjacent to, on the northeast side of the highway, between Waipio Uka Street and Ka Uka Boulevard. Currently, this area does not have any schematic landscaping plan. The Gentry Waipio Community Association (GWCA) has been working with a professional Landscape Architect/Contractor in developing professional landscaping plans. See Figure Nos. 4A and 4B. Once the berm is graded, the Landscape Contractor will landscape the area. Grassing will be included for aesthetics and also to control erosion. Initially, there will be a visual effect due to the removal of the existing trees and grass. However, once the new landscaping is established, aesthetics along the highway should be enhanced.

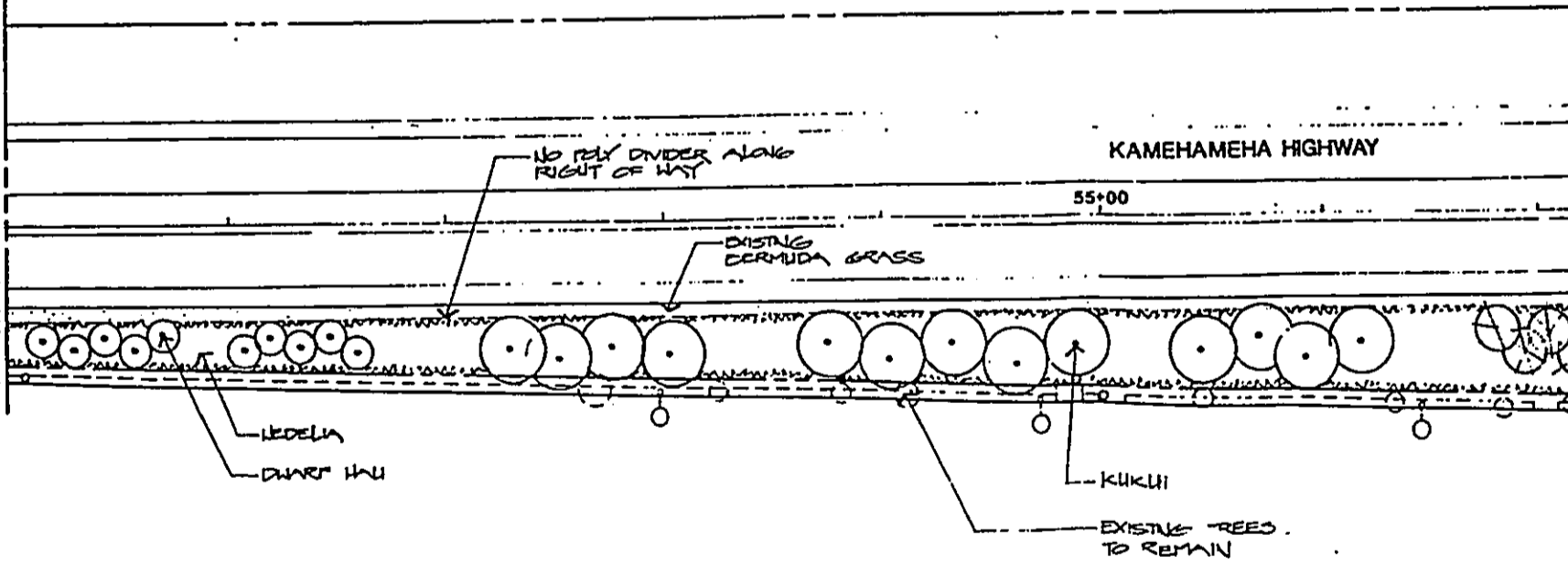
The existing flora which are determined to be transplantable (by a Certified Arborist) will be transplanted in the parks nearby. A Certified Arborist will be hired by the Contractor to advise and supervise in the transplanting and maintenance of the existing trees.



LANDSCAPE PLAN

SCALE: 1"=40'-0"

SEE CONTINUATION ON THIS SHT.
MATCH LINE STA. 50+00



LANDSCAPE PLAN

SCALE: 1"=40'-0"

REVISIONS	BY

BROWNLEE & LEE
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 Site Planning
 Irrigation Consultants
 City of Honolulu
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LANDSCAPE PLAN

KAMEHAMEHA HIGHWAY WIDENING
 Waipio Uka St. to Ka Uka Blvd.

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 Scale: 1"=40'-0"
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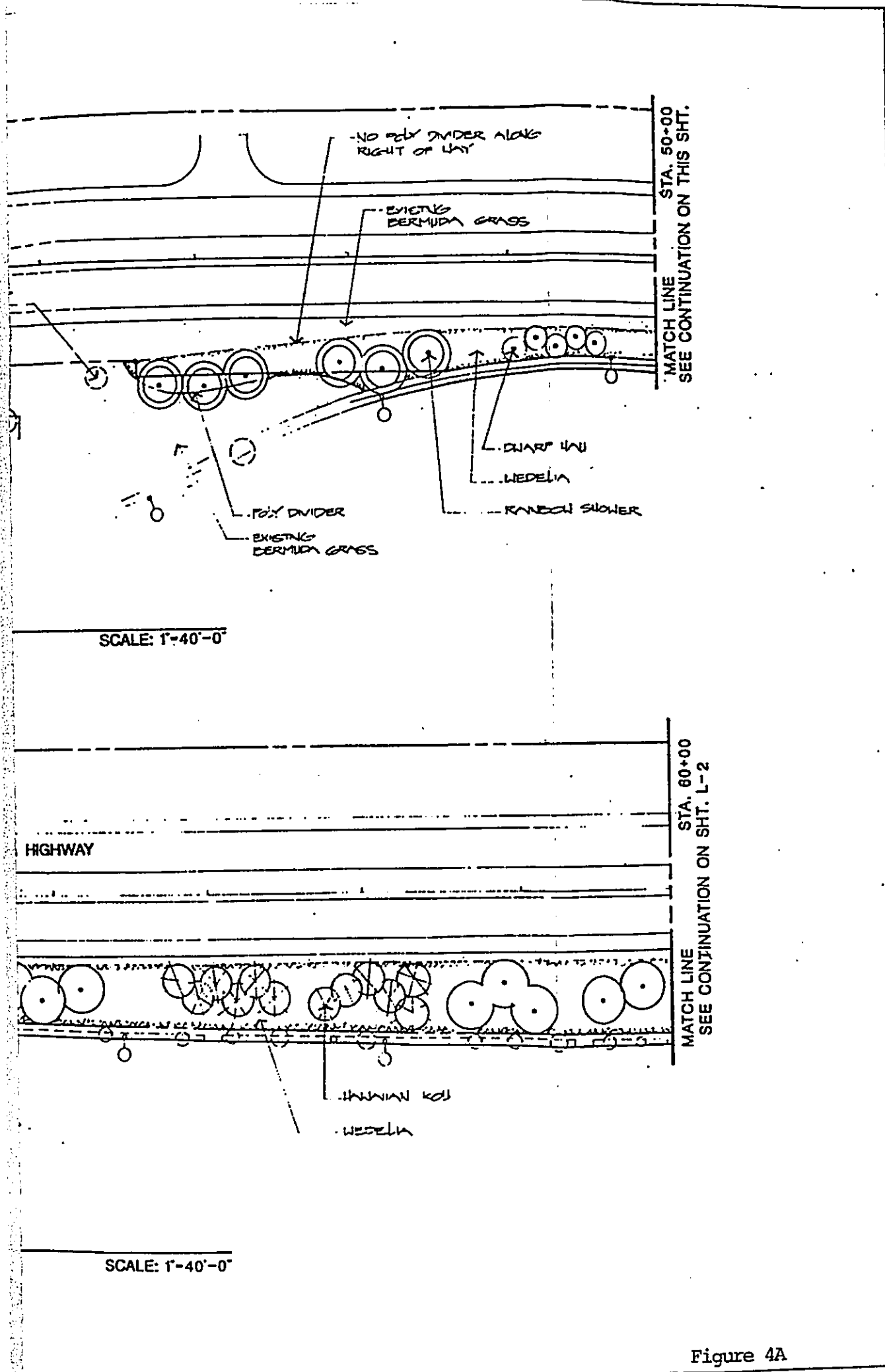
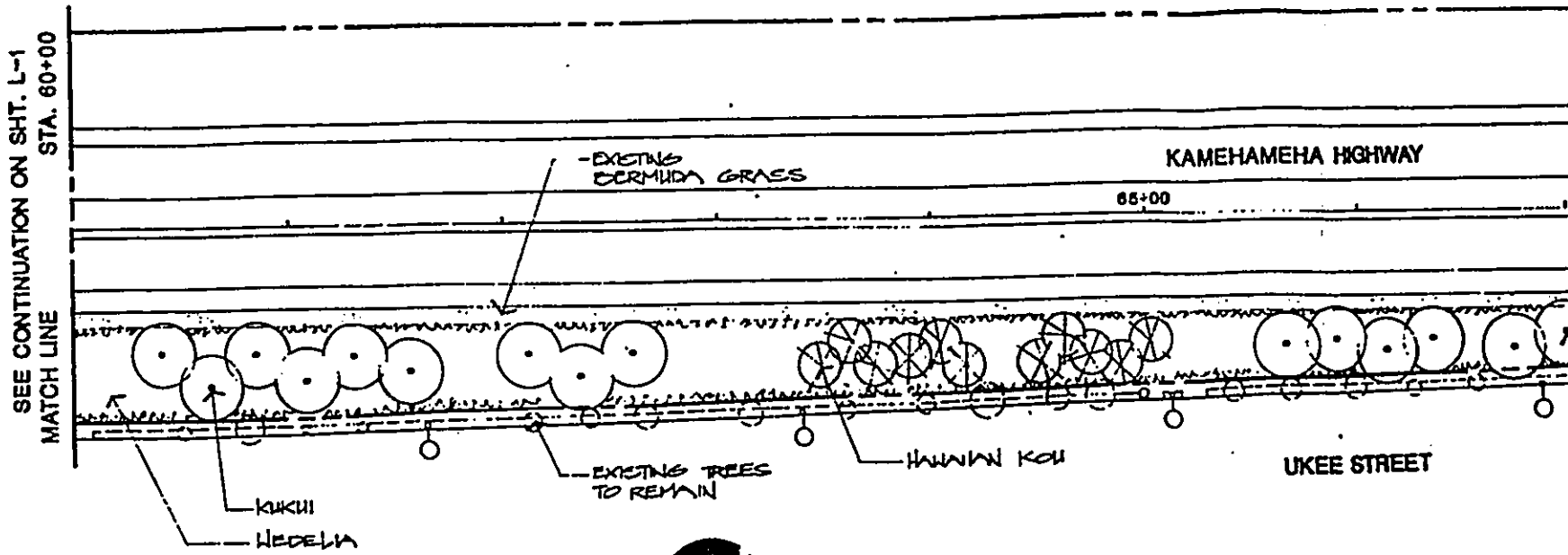
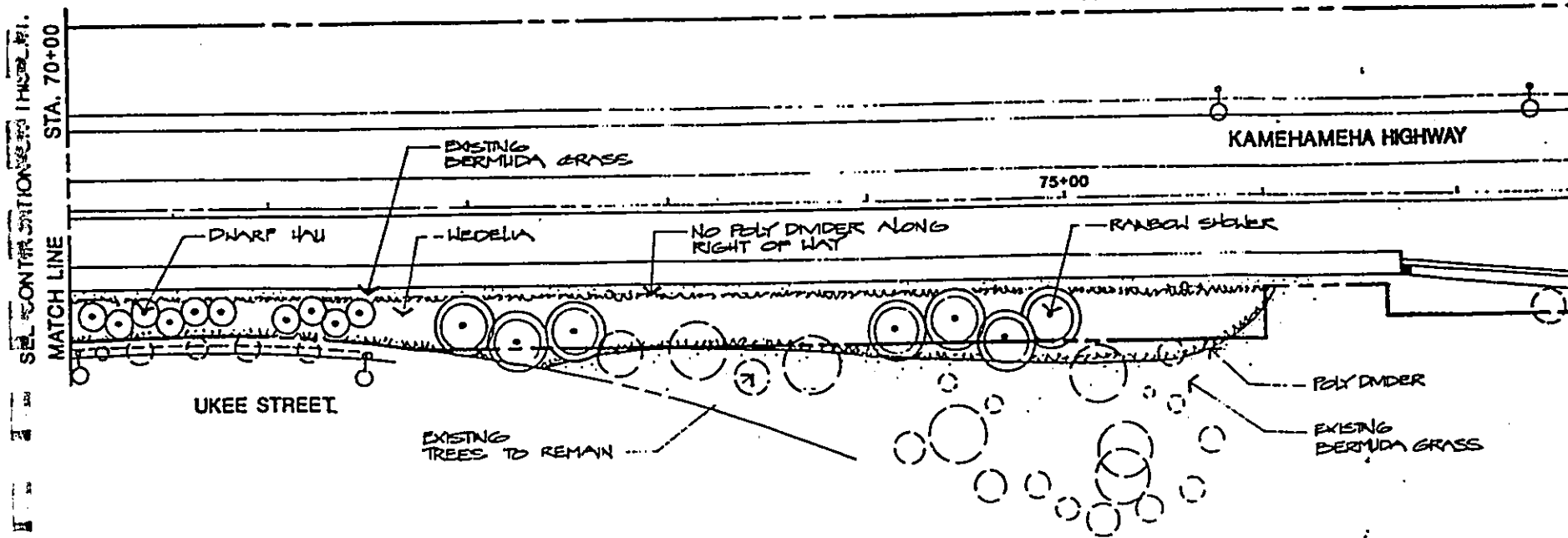


Figure 4A



LANDSCAPE PLAN



LANDSCAPE PLAN

3. Air Quality and Noise

Air quality impacts attributed to the project will include dust generated by short-term construction related activities. Site work such as clearing, grubbing and excavation during the road widening, for example, will generate air-borne particulates. Dust control measures, such as dust screens and regular watering and sprinkling, will be implemented, as necessary, to minimize wind-blown emissions.

Current traffic conditions during peak hours are very congested. There is substantial amount of emissions from the idling cars. The proposed project plans to improve traffic flow. This will decrease the amount of idling traffic, thereby reducing automobile emission.

Ambient noise conditions will also be temporarily impacted by construction activities. Construction equipment would be the dominant source of noise during the construction period. All construction activities will be limited to normal daylight working hours. The Contractor shall also be required to use properly muffled construction equipment.

The improved Kamehameha Highway will allow for more efficient traffic flow, and possibly higher traffic speeds (especially during peak traffic hours). Noise levels could possibly increase but it is not anticipated to be significant. A berm will be constructed to help mitigate the noise. The berm was recommended by GWCA because it is more visually appealing and has a more natural appearance than a wall or other types of noise barriers. The grassed berm has also been shown to be more effective at noise reduction than a wall of similar height. Therefore, the project is not anticipated to cause adverse air quality and noise impacts.

4. Archaeological Resources

As previously noted, an early consultation with State Historic Preservation Division indicates the parcel of lands along Kamehameha Highway was used for commercial agriculture. There was no indication of archaeological or historical sites previously recorded on the property. Should any archaeological or historic remains be uncovered during construction, construction will stop and the State Historic Preservation Office will be notified immediately.

B. IMPACTS TO SOCIO-ECONOMIC ENVIRONMENT

1. Local Economy and Population

On a short-term basis, the project will support construction and construction-related employment. Accordingly, the project will have a beneficial impact on the local economy during the period of construction.

The traffic signal, highway lightings, and intersection improvements will address safety considerations. The additional laneage will improve local traffic circulation and will relieve congestion at the busy intersections at Waipio Uka Street and Ka Uka Boulevard. The proposed project will support and enhance land uses along the project corridor is not anticipated to have an adverse impact on the local economy or population.

2. Police, Fire and Medical Service

Medical, police, and fire protection services are not expected to be adversely impacted by the proposed project. The project will not extend existing service area limits for emergency services. The improvement in traffic flow would improve response time and reduce delays during emergency situations. Safety improvements would reduce demand for emergency services associated with traffic accidents.

3. Solid Waste

A solid waste management plan will be developed in coordination with the Solid Waste Division of the County Department of Public Works and Waste Management for the disposal of cleaning and grubbing material from the site during construction.

C. INFRASTRUCTURE

1. Roadways

In order to minimize construction impacts, no work will occur during peak traffic hours, between 6:00 A.M. to 8:30 A.M. and between 3:00 P.M. to 5:30 P.M., on weekdays. No night or weekends construction activities are planned. Access to businesses in the vicinity of the project will be maintained and any one lane of traffic will be allowed to be closed during construction. Public notices of construction activities will be required to be placed in a newspaper of general circulation to provide notice to neighboring businesses and residents. In addition, local community associations, such as the Gentry Waipio Community Association, will be informed of the upcoming construction activities.

Any surplus of excavated material shall become the property of the Contractor. The Contractor shall be required to dispose of the surplus material at a environmentally safe disposal site using environmentally correct procedure. No adverse impact to the environment is expected.

In the long-term, the proposed improvements should conform to area-wide roadway and traffic improvements either in the planning or implementation stage.

2. Wastewater

There will be no net increase in the average daily flow of wastewater to the Honouliuli sewer treatment plant as a result of the proposed project. As such, the project is not anticipated to have an adverse impact upon the region's wastewater system.

3. Water

The project will not increase in the net water usage to the County water system serving the area. The project's impact upon the water system is expected to be negligible.

4. Drainage and Erosion Control

Part of the runoff generated by the project will follow existing drainage patterns. The rest of the runoff will be collected by grated drop inlets connected to a grassed swale running along the northwest side of Kamehameha Highway. This water will be piped to the earth ditch on the southwest side of Kamehameha Highway. Since the increase in impermeable surface is relatively small, the proposed improvements are not anticipated to have an adverse drainage impact upon existing drainage systems.

Appropriate erosion control measures will be incorporated during the construction phase to minimize soil loss associated with construction activities.

Chapter V

**Relationship to Governmental
Plans, Policies and Controls**

V. RELATIONSHIP TO GOVERNMENTAL PLANS, POLICIES, AND CONTROLS

A. STATE LAND USE DISTRICTS

Chapter 205, Hawaii Revised Statutes, relating to the Land Use Commission, establishes the four (4) major land use districts in which all lands in the State are placed. These districts are designated "Urban", "Rural", "Agricultural", and "Conservation". The subject parcel is within the "Urban" district. The proposed action involves the continuation and expansion of roadway use which is compatible with the "Urban" designation.

B. HAWAII STATE GENERAL PLAN

The Hawaii State General Plan sets forth broad objectives and policies to help guide the long-range development of the State. The purpose of the General Plan is to recognize and state the major problems and opportunities concerning the needs and the development of the State and the social, economic and environmental effects of such development and set forth the desired sequence, patterns and characteristics of future development.

The proposed action is in keeping with the following General Plan objective and policy:

Objective: To develop a program for anticipating and enlarging the local street and highway systems in a timely response to planned growth.

Policy: Ensure that transportation facilities are anticipated and programmed for construction in order to support planned growth.

C. WAIPIO GENTRY COMMUNITY PLAN

The project site is located in the Gentry Waipio Community Plan region established in the State of Hawaii. Planning for the region is guided by the Community Plans, which are designed to implement the Hawaii State General Plan. The Community Plan contains recommendations and standards which guide the sequencing, patterns and characteristics of future development in the region.

The project site is adjacent to properties designated as Business, Agricultural, and Public. The proposed project is not inconsistent with the Community Plan.

Chapter VI

Findings and Conclusion

VI. FINDINGS AND CONCLUSION

The proposed project will involve earthwork and construction activities. In the short-term, these activities may create temporary nuisances normally associated with construction activities. However, dust control measures, such as dust screens and regular watering and sprinkling, will be implemented to minimize wind-blown emissions. All construction activities are anticipated to be limited to normal daylight, non-peak traffic hours. Only one lane of traffic will be allowed to be closed during construction. Impacts generated from construction activities are only temporary and are not expected to have any significant long term impacts.

From a long-term perspective, the proposed project is not anticipated to result in adverse environmental impacts. There are no known significant habitats or rare, endangered or threatened species of flora or fauna located on the project site. With regard to archaeology, data recovery has been completed and the site is no longer significant for its information content. Archaeological monitoring will also be conducted during the construction phase of the project. Should any archaeological or historic remains be found, applicable procedures regarding discovery will be followed.

The proposed project conforms with area-wide roadway and traffic improvements either underway or in the planning stages. Appropriate erosion control measures are being incorporated during the construction phase to minimize soil loss associated with construction activities. With regard to other infrastructural systems and public services, the proposed project should have no adverse environmental impact.

In light of the foregoing findings, the State Department of Transportation has determined that the proposed project will not result in any significant environmental impacts and has issued a "Findings Of No Significant Impact".

Chapter VII

**Agencies Contacted in
the Preparation of the
Environmental Assessment
and Responses Received**

VII. AGENCIES CONTACTED IN THE PREPARATION OF THE ENVIRONMENTAL ASSESSMENT AND RESPONSES RECEIVED

The following agencies were contacted during the preparation of the Environmental Assessment:

1. Department of Business, Economic Development & Tourism
Land Use Commission
Room 104, Old Federal Building
355 Merchant Street
Honolulu, Hawaii 96813
2. Department of Health
Environmental Management Division
P.O. Box 3378
Honolulu, Hawaii 96801
3. Department of Land and Natural Resources
Division of Forestry and Wildlife
1151 Punchbowl Street
Honolulu, Hawaii 96813
4. City and County of Honolulu
Department of Public Works
650 South King Street
Honolulu, Hawaii 96813
5. U.S. Department of the Interior
Fish and Wildlife Service
Pacific Islands Office
P.O. Box 50167
Honolulu, Hawaii 96850
6. U.S. Army Engineer District
Department of the Army
Ft. Shafter, Hawaii 96858-5440
7. Waipio Gentry Community Association
94-1036 Waipio Uka Street, Suite 104A
Waipahu, Hawaii 96797
8. Mililani, Waipio, Melemanu Neighborhood Board
P.O. Box 3116
Mililani, Hawaii 96789
9. The Outdoor Circle
1110 University Avenue, #406
Honolulu, Hawaii 96826

10. State of Hawaii
Office of Environmental Quality Control
220 South King Street, 4th Floor
Honolulu, Hawaii 96813

11. State of Hawaii
Department of Land and Natural Resources
P.O. Box 621
Honolulu, Hawaii 96809

JOHN WAIHEE
GOVERNOR



ESTHER UEDA
EXECUTIVE OFFICER

STATE OF HAWAII
DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM
LAND USE COMMISSION
Room 104, Old Federal Building
335 Merchant Street
Honolulu, Hawaii 96813
Telephone: 587-3822

RECEIVED
FEB 10 10 50 AM '94
DEPT. OF TRANSPORTATION
HIGHWAYS DIVISION

February 9, 1994

Mr. Tetsuo Harano, Chief
Highways Division
Department of Transportation
869 Punchbowl Street
Honolulu, Hawaii 96813-5097

Dear Mr. Harano:

Subject: Draft Environmental Assessment (EA) for Kamehameha
Highway Widening, Waipio Uka Street to Ka Uka
Boulevard, Federal-Aid Project No. STP-099-1(12),
Waipahu, Hawaii

We have reviewed the draft EA for the subject project transmitted with your letter of January 19, 1994, and have the following comments:

- 1) The project site, as shown on the location map, appears to be designated within the State Land Use Urban and Agricultural Districts.
- 2) We suggest that the Final EA include a map showing the project site in relation to the State Land Use Districts.

We have no other comments to offer at this time. Thank you for the opportunity to provide comments on this matter.

Should you have any questions, please call me or Bert Saruwatari of our office at 587-3822.

Sincerely,

A handwritten signature in cursive script, appearing to read "Esther Ueda".

ESTHER UEDA
Executive Officer

EU:th

JOHN WAIHEE
GOVERNOR OF HAWAII



RECEIVED

JOHN C. LEWIN, M.D.
DIRECTOR OF HEALTH

HW 6757

STATE OF HAWAII
DEPARTMENT OF HEALTH DESIGN BRANCH
HIGHWAYS DIVISION
P. O. BOX 3378
HONOLULU, HAWAII 96801 DEPT. OF TRANSPORTATION

MAR 21 1 27 PM '94

In reply, please refer to:

March 14, 1994

94-022/epo

Mr. T. Harano
Chief, Highways Division
Department of Transportation
869 Punchbowl Street
Honolulu, Hawaii 96813-5097

RECEIVED
MAR 11 2 23 PM '94
DEPT. OF TRANSPORTATION
HIGHWAYS DIVISION

Dear Mr. Harano:

Subject: Draft Environmental Assessment
Federal-Aid Project No. STP-099-1(12)
Kamehameha Highway Widening
Waipio Uka Street to Ka Uka Blvd.
Waipahu, Hawaii

Thank you for allowing us to review and comment on the subject project.
We have the following comments to offer:

Nonpoint Source Pollution Concerns

The proposed project is located in the Pearl Harbor Watershed, one of sixteen Water Quality Limited Segments identified by the Hawaii State Department of Health. Water quality standards are exceeded in the harbor and cannot be met unless nonpoint source pollution is controlled. A major source of nonpoint source pollution in the watershed is sediment from construction activities.

The assessment mentions that appropriate sediment control measures will be adopted to mitigate erosion during construction. Proper planning, design and use of erosion control measures and management practices can substantially reduce the total volume of runoff, sediment and the potential of nonpoint source pollution. The following are suggested measures that can be taken to minimize erosion during construction:

- a. Conduct grubbing and grading activities during low rainfall months (April - October).
- b. Grub area sequentially so that only a small portion of the site is bare at any one time.
- c. Replant or cover bare areas alongside the road improvements as soon as grading or construction is complete. New plantings will require soil amendments, fertilizers, and temporary irrigation to become established. Use high seeding rates to ensure rapid stand establishment.

Mr. T. Harano
March 14, 1994
Page 2

In addition, a grading permit should be obtained, if required, from the City and County of Honolulu, Department of Public Works, Service Section (523-4921). Grading permits include conditions that must be observed to minimize erosion.

If you should have any questions on this matter, please contact Ms. Gail Ichikawa of the Environmental Planning Office at 586-4345.

Very truly yours,



JOHN C. LEWIN, M.D.
Director of Health

c: Environmental Planning Office

HWY
HLL-6
(RH)

HWY-DD
2.1806

June 27, 1994

Mr. Randy Rush
Environmental Planning Office
919 Ala Moana Boulevard, Room #304
Honolulu, Hawaii 96814

Dear Mr. Rush:

Subject: Draft Environmental Assessment
Kamehameha Highway Widening, Waipio Uka Street to
Ka Uka Boulevard, Federal-Aid Project
No. STP-099-1(12)

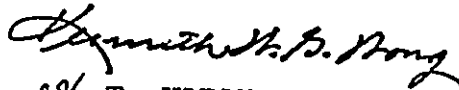
Thank you for your comments on the Nonpoint Source Pollution
Concerns for the subject project.

The Contractor for this project will be required to obtain a
NPDES permit from the Department of Health, Clean Water Branch.

The permit requires that the Contractor must have an erosion
and sediment control plan for grading and excavating as well as
clearing and grubbing activities. This permit requirement
should meet your concerns.

Please contact Richard Takaesu at 587-2249, Li Nah Okita or
Mariano Ante at 587-2239 if you have any questions.

Very truly yours,



T. HARANO
Chief
Highways Division

MA:ck

c: HWY-DD (RHT)
HWY-P
STP

JOHN WAIHEE
GOVERNOR OF HAWAII



KEITH W. AHUE, CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES

RECEIVED
FEB 15 5 03 PM '94
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF FORESTRY AND WILDLIFE
1151 PUNCHBOWL STREET
HONOLULU, HAWAII 96813

DEPUTIES
JOHN P. KEPPELER, II
DONA L. HANAKE
AQUACULTURE DEVELOPMENT PROGRAM
AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
CONSERVATION AND ENVIRONMENTAL AFFAIRS
CONSERVATION AND RESOURCES ENFORCEMENT
CONVEYANCES
FORESTRY AND WILDLIFE HISTORIC PRESERVATION PROGRAM
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

February 15, 1994

Department of Transportation
Highways Division
attn: Mr. Tetsuo Harano, Chief
869 Punchbowl Street
Honolulu, HI 96813-5097

Dear Mr. Harano:

SUBJECT: Draft Environmental Assessment (EA) for Kamehameha Highway Widening, Waipio Uka Street to Ka Uka Boulevard, Federal-Aid Project No. STP-099-1(12), Waipahu, Hawaii

We have reviewed the subject proposal and have determined that the project will not affect the Division of Forestry and Wildlife's programs or projects. Thank you for the opportunity to comment.

Very truly yours,

Michael G. Buck
Administrator

cc: OCEA

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FEB 17 8 53 AM '94
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HIGHWAYS DIVISION
DEPT. OF TRANSPORTATION

#WY 6850

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET
HONOLULU, HAWAII 96813

FRANK F. FASI
MAYOR



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FEB 18 1 56 PM '94
DEPT. OF TRANSPORTATION
HIGHWAY DIVISION
KENNETH E. SPRAGUE
ACTING DIRECTOR AND CHIEF ENGINEER
KENNETH E. SPRAGUE
ACTING DIRECTOR

ENV 94-40

February 16, 1994

Mr. T. Harano, Chief
Highway Division
Department of Transportation
State of Hawaii
869 Punchbowl Street
Honolulu, Hawaii 96813

Dear Mr. Harano:

Subject: Draft Environmental Assessment (DEA)
Kamehameha Highway Widening, Waipio Uka Street
to Ka Uka Boulevard

We have reviewed the subject DEA and have the following comment:

- 1. Provision for traffic and bus bays should be included in the design.

Should you have any questions, please contact Mr. Alex Ho,
Environmental Engineer, at 523-4150.

Very truly yours,

KENNETH E. SPRAGUE
Acting Director and Chief Engineer

RECEIVED
FEB 18 3 20 PM '94
DEPT. OF TRANSPORTATION
HIGHWAY DIVISION

mh HWY-1
(R)

HWY-DD
2.1807

June 27, 1994

Mr. Kenneth E. Sprague
Director and Chief Engineer
Department of Public Works
650 South King Street
Honolulu, Hawaii 96813

Attention: Mr. Alex Ho

Dear Mr. Sprague:

Subject: Draft Environmental Assessment
Kamehameha Highway Widening, Waipio Uka
Street to Ka Uka Boulevard, Federal-Aid
Project No. STP-099-1(12)

Thank you for your comment on the subject project. Provision
for bus bays will be included in the design.

Please contact Richard Takaesu at 587-2249, Li Nah Okita or
Mariano Ante at 587-2239 if you have any questions.

Very truly yours,
T. Harano

T. HARANO
Chief
Highways Division

MA:ck

c: HWY-DD (RHT)
HWY-P
STP



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Pacific Islands Office

P.O. Box 50167

Honolulu, Hawaii 96850

RECEIVED

APR 5 9 57 AM '94

DEPT. OF TRANSPORTATION
HIGHWAYS DIVISION

TAKE
PRIDE IN
AMERICA

In Reply Refer To: CAW

MAR 31 1994

Mr. T. Harano
Chief, Highways Division
State of Hawaii Department of Transportation
869 Punchbowl Street
Honolulu, Hawaii 96813-5097

Re: Draft Environmental Assessment (EA) for Kamehameha
Highway Widening, Waipio Uka Street to Ka Uka Boulevard,
Federal-Aid Project No. STP-099-1(12), Waipahu, Hawaii

Dear Mr. Harano:

The U.S. Fish and Wildlife Service (Service) has reviewed the Draft Environmental Assessment (DEA) for the proposed Kamehameha Highway Widening from Waipio Uka Street to Ka Uka Boulevard, Waipahu, Hawaii. The following comments are provided for your consideration pursuant to the National Environmental Policy Act of 1969 (42 U.S.C. 4321 et seq.; 83 Stat. 852), as amended, The Fish and Wildlife Coordination Act of 1934 (16 U.S.C. 661 et seq.; 48 Stat. 401), as amended, the Endangered Species Act of 1973 (16 U.S.C. 1531-1544; 87 Stat. 884), as amended, and other authorities mandating Service concern for environmental values.

The DEA adequately describes the existing environmental conditions at the project site and states that appropriate sediment control measures will be implemented. The Service has not identified any other significant adverse impacts to fish and wildlife resources that will result from implementation of the proposed project. Therefore, the Service will concur with a Finding of No Significant Impact for this action.

Sincerely,

Robert P. Smith

Robert P. Smith
Field Supervisor
Pacific Islands Office



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
U. S. ARMY ENGINEER DISTRICT, HONOLULU
FT. SHAFTER, HAWAII 96858-5440

February 18, 1994

RECEIVED

RECEIVED

FEB 23 10 14 AM '94

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DEPT. OF TRANSPORTATION
HIGHWAYS DIVISION

DESIGN BRANCH
HIGHWAYS DIVISION
DEPT. OF TRANSPORTATION

Planning Division

Mr. T. Harano, Chief
State of Hawaii
Department of Transportation
Highways Division
869 Punchbowl Street
Honolulu, Hawaii 96813-5097

Dear Mr. Harano:

Thank you for the opportunity to review and comment on the Draft Environmental Assessment for the Kamehameha Highway Widening Project, Waipahu, Hawaii. The following comments are provided pursuant to Corps of Engineers authorities to disseminate flood hazard information under the Flood Control Act of 1960 and to issue Department of the Army (DA) permits under the Clean Water Act; the Rivers and Harbors Act of 1899; and the Marine Protection, Research and Sanctuaries Act.

a. The project does not involve work in waters of the U.S.; therefore, a DA permit will not be required.

b. According to the the Federal Emergency Management Agency's Flood Insurance Rate Map Index, there are no panels printed for the project area; therefore, the site is located in Zone D (areas where flood hazard studies have not been determined).

Sincerely,

Kisuk Cheung, P.E.
Director of Engineering

File: Proj. N2

GENTRY  WAIPIO COMMUNITY ASSOCIATION

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APR 4 11 52 AM '94
DEPT. OF TRANSPORTATION
HIGHWAYS DIVISION

MARCH 31, 1994

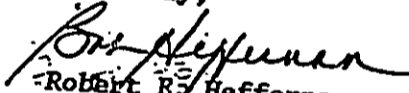
Mr. T. Harano, Chief
Highways Division
State of Hawaii
Department of Transportation
869 Punchbowl Street
Honolulu, Hawaii 96813-5097

Dear Mr. Harano:

Subject: Draft Environmental Assessment (EA) for
Kamehameha Highway Widening, Waipio Uka
Street to Ka Uka Boulevard, Federal-Aid
Project No. STP-099-1(12), Waipahu, Hawaii

The Association's Board of Directors have reviewed the EA and offer no comments or recommendations. They are in full agreement with the stated social and environmental characteristics.

Sincerely,


Robert E. Heffernan
General Manager

KHW0394A

94-1036 Waipio Uka Street, Suite 104A • Waipahu, Hawaii 96797
Phone (808) 671-2272



MILILANI/WAIPIO/MELEMANU NEIGHBORHOOD BOARD NO. 25

P.O. BOX 3116 • MILILANI, HAWAII 96789

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MAR 7 4 49 PM '94

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

March 3, 1994

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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Mr. T. Hirano, Chief
State of Hawaii
Department of Transportation
Highways Division
869 Punchbowl Street
Honolulu, Hawaii 96813

Dear Mr. Hirano,

The Mililani/Melemanu/Waipio Neighborhood Board has taken the opportunity to review the-draft Environmental Assessment for the Kamehameha Highway widening (Federal Aid Project No. STP-099-1(12).

Our Board has no significant recommendations, except to proceed with the project as soon as possible, considering the severe traffic problems which exist in our area.

Thank you for the opportunity to comment on this project.

Sincerely,

MARILYN B. LEE
Chair

Attachments



Oahu's Neighborhood Board System-Established 1973



THE OUTDOOR CIRCLE
 1110 University Ave., #406 • Honolulu, HI 96826
 Phone: 808-943-9658 Fax: 808-955-7364

HWY 9060

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 MAR 7 3 30 PM '96
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 HIGHWAYS DIVISION
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 DESIGN BRANCH

Established 1912
 A Non-profit Organization

BRANCHES

OAHU

Kaneohe
 Lani-Kailua
 North Shore

HAWAII

Hilo
 Ka'u
 Kona
 Puna
 Waimea

KAUAI

MAUI

MOLOKAI

GARDEN CIRCLES

Kaneohe
 Lani-Kai
 Waialea-Kahala

March 5, 1996

Mr. Hugh Y. Ono, Administrator
 Highways Division
 State of Hawai'i
 Department of Transportation
 869 Punchbowl Street
 Honolulu, HI 96813-5097

RE: Kamehameha Highway Widening, Waipio Puka Street to Ka Uka Blvd.,
 Federal-Aid Project No. NH-STP-099-1(12), Waipahu, HI

Dear Mr. Ono:

We are in receipt of your letter dated February 13, 1996 requesting The Outdoor Circle review plans for the above referenced project. You specifically ask us to determine whether the relocation and/or removal of trees will have any significant impact on the sight. Unfortunately, without providing a landscape plan, we are unable to comment on the impacts.

We are pleased to note you will be hiring an arborist to determine which trees will be removed and/or relocated. As soon as landscape plans are developed we will be pleased to address them. Until then, we feel it is too early for the draft environmental assessment to state that there will be no long term significant adverse impacts on the flora. ✓

In addition, the plans do not indicate whether the wiring on this project will be above or below ground. A well-designed urban plan should always call for the wires to be placed underground. We hope this has already been addressed in this highway widening project.

Thank you for the opportunity to comment. We look forward to hearing from you with more information.

Sincerely,

Mary Steiner
 Mary Steiner
 CEO

Carolyn Heinrich
 Carolyn Heinrich
 President

*outside comment
 period. Additional
 consultation by
 DOT with OC.*

JOHN WAHEE
GOVERNOR



0767
MAY 5 2 45 PM '94

STATE OF HAWAII
OFFICE OF ENVIRONMENTAL QUALITY CONTROL
220 SOUTH KING STREET
FOURTH FLOOR
HONOLULU, HAWAII 96813

May 3, 1994

Mr. Rex D. Johnson, Director
Department of Transportation
869 Punchbowl Street
Honolulu, Hawaii 96813

RECEIVED
MAY 6 1 37 PM '94
DEPT. OF TRANSPORTATION
HIGHWAYS DIVISION

Attention: Albert S. Yamaguchi

Subject: Draft Environmental Assessment for the Kamehameha Highway
Widening, Waipio Uka Street to Ka Uka Boulevard, Ewa,
Oahu

Thank you for the opportunity to review and comment on the subject
document. We have the following comment.

✓ Please describe how you came to the conclusion that there would be
no significant adverse impacts to the following:

- 1) Archaeology ✓
- 2) Flora ✓
- 3) Fauna ✓

If you have any questions, please contact Jeyan Thirugnanam at 586-4185.

Sincerely,

Bruce S. Anderson
for BRUCE S. ANDERSON, Ph.D
Interim Director

BSA/JT:kk

RECEIVED
MAY 9 10 10 AM '94
DEPT. OF TRANSPORTATION
HIGHWAYS DIVISION

Responded in
EA.

JOHN WAIHEE
GOVERNOR OF HAWAII



KEITH W. AHUE, CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES

DEPUTES
JOHN P. KEFFELER, II
DONA L. HANAKE

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MAR 8 1 31 PM '94
DEPT. OF TRANSPORTATION
HIGHWAYS DIVISION

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

P. O. BOX 621
HONOLULU, HAWAII 96809

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

REF:OCEA:KCK

File No.: 94-491
Doc. NO.: 4223

MAR 8 1994

MEMORANDUM

TO: The Honorable Rex D. Johnson, Director
Department of Transportation (DOT)

ATTN: T. Barano, Chief
Highways Division, DOT

FROM: Keith W. Ahue, Chairperson *KA*
Board of Land and Natural Resources

SUBJECT: Draft Environmental Assessment for Kamehameha Highway Widening,
Waipio Uka Street to Ka Uka Boulevard Federal Aid Project No.
STP-099-1(12), Waipahu, Hawaii

Thank you for giving our Department the opportunity to comment on this matter. We have reviewed the materials you submitted and have the following comments.

Historic Preservation Program Comments:

A review of our records shows that this parcel was previously used for commercial agriculture, thus indicating that the land surface was disturbed, making the presence of historic sites unlikely. Therefore, we believe that this project to widen the Kamehameha Highway will have "no effect" on historic sites.

We have no other comments to offer at this time.

Please feel free to contact Sam Lemmo at our Office of Conservation and Environmental Affairs at 587-0377, should you have any questions.

Attachments

JOHN WAIHEE
GOVERNOR OF HAWAII



KEITH W. AHUE, CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES

RECEIVED
FEB 15 5 03 PM '94
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF FORESTRY AND WILDLIFE
1151 PUNCHBOWL STREET
HONOLULU, HAWAII 96813

DEPUTIES
JOHN P. KEPPELER, II
DONAL L. HANAKE
AQUACULTURE DEVELOPMENT
PROGRAM
AQUATIC RESOURCES
BOATING AND OCEAN
RECREATION
CONSERVATION AND
ENVIRONMENTAL AFFAIRS
CONSERVATION AND
RESOURCES ENFORCEMENT
CONVEYANCES
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
PROGRAM
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

February 15, 1994

Department of Transportation
Highways Division
attn: Mr. Tetsuo Harano, Chief
869 Punchbowl Street
Honolulu, HI 96813-5097

Dear Mr. Harano:

SUBJECT: Draft Environmental Assessment (EA) for Kamehameha Highway
Widening, Waipio Uka Street to Ka Uka Boulevard, Federal-Aid
Project No. STP-099-1(12), Waipahu, Hawaii

We have reviewed the subject proposal and have determined that the project will not affect the Division of Forestry and Wildlife's programs or projects. Thank you for the opportunity to comment.

Very truly yours,

Michael G. Buck
Administrator

cc: OCEA

RECEIVED
FEB 17 8 53 AM '94
DESIGN BRANCH
HIGHWAYS DIVISION
DEPT. OF TRANSPORTATION

Attachment No. 1



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Pacific Islands Office
P.O. Box 50167
Honolulu, Hawaii 96850

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APR 5 9 57 AM '94
DEPT. OF TRANSPORTATION
HIGHWAYS DIVISION



In Reply Refer To: CAW

MAR 31 1994

Mr. T. Harano
Chief, Highways Division
State of Hawaii Department of Transportation
869 Punchbowl Street
Honolulu, Hawaii 96813-5097

Re: Draft Environmental Assessment (EA) for Kamehameha Highway Widening, Waipio Uka Street to Ka Uka Boulevard, Federal-Aid Project No. STP-099-1(12), Waipahu, Hawaii

Dear Mr. Harano:

The U.S. Fish and Wildlife Service (Service) has reviewed the Draft Environmental Assessment (DEA) for the proposed Kamehameha Highway Widening from Waipio Uka Street to Ka Uka Boulevard, Waipahu, Hawaii. The following comments are provided for your consideration pursuant to the National Environmental Policy Act of 1969 (42 U.S.C. 4321 et seq.; 83 Stat. 852), as amended, The Fish and Wildlife Coordination Act of 1934 (16 U.S.C. 661 et seq.; 48 Stat. 401), as amended, the Endangered Species Act of 1973 (16 U.S.C. 1531-1544; 87 Stat. 884), as amended, and other authorities mandating Service concern for environmental values.

The DEA adequately describes the existing environmental conditions at the project site and states that appropriate sediment control measures will be implemented. The Service has not identified any other significant adverse impacts to fish and wildlife resources that will result from implementation of the proposed project. Therefore, the Service will concur with a Finding of No Significant Impact for this action.

Sincerely,

Robert P. Smith
Field Supervisor
Pacific Islands Office

Attachment No. 2

JOHN WAIHEE
GOVERNOR OF HAWAII



KEITH W. AHUE, CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES

DEPUTES
JOHN P. KEPPELER, II
DONAL L. HANAIKE

RECEIVED
MAR 8 1 31 PM '94
DEPT. OF TRANSPORTATION
HIGHWAYS DIVISION

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

P. O. BOX 621
HONOLULU, HAWAII 96809

REF: OCEA:KCK

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

File No.: 94-491
Doc. NO.: 4223

MAR 8 1994

MEMORANDUM

TO: The Honorable Rex D. Johnson, Director
Department of Transportation (DOT)

ATTN: T. Harano, Chief
Highways Division, DOT

FROM: Keith W. Ahue, Chairperson
Board of Land and Natural Resources

SUBJECT: Draft Environmental Assessment for Kamehameha Highway Widening,
Waipio Uka Street to Ka Uka Boulevard Federal Aid Project No.
STP-099-1(12), Waipahu, Hawaii

Thank you for giving our Department the opportunity to comment on this matter. We have reviewed the materials you submitted and have the following comments.

Historic Preservation Program Comments:

A review of our records shows that this parcel was previously used for commercial agriculture, thus indicating that the land surface was disturbed, making the presence of historic sites unlikely. Therefore, we believe that this project to widen the Kamehameha Highway will have "no effect" on historic sites.

We have no other comments to offer at this time.

Please feel free to contact Sam Lemmo at our Office of Conservation and Environmental Affairs at 587-0377, should you have any questions.