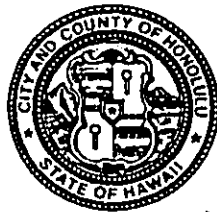


DEPARTMENT OF DESIGN AND CONSTRUCTION  
**CITY AND COUNTY OF HONOLULU**

650 SOUTH KING STREET, 11<sup>TH</sup> FLOOR  
HONOLULU, HAWAII 96813  
Phone: (808) 523-4564 • Fax: (808) 523-4567  
Web site: [www.cc.honolulu.hi.us](http://www.cc.honolulu.hi.us)

JEREMY HARRIS  
MAYOR



RECEIVED

'02 APR 26 P2:19

OFFICE OF ENVIRONMENTAL  
QUALITY CONTROL

RAE M. LOUI, P.E.  
DIRECTOR

ERIC G. CRISPIN, AIA  
DEPUTY DIRECTOR

GEORGE T. TAMASHIRO, P.E.  
ASSISTANT DIRECTOR

CDEP 02-0119

April 26, 2002

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

Dear Ms. Salmonson:

Subject: Finding of No Significant Impact (FONSI) for  
Waialua Beach Road Improvements  
TMK: 6-07-001  
Waialua, Waialua District, Oahu, Hawaii

The Department of Design and Construction has reviewed the comments received during the 30-day public comment period that began on March 8, 2002. The agency has determined that this project will not have significant environmental effects and has issued a FONSI. Please publish this notice in the next edition of the Environmental Notice.

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

Please call Gregory Sue at 527-6304 if you have any questions.

Very truly yours,

A handwritten signature in black ink, appearing to read "R. M. Loui", is written over the typed name.

RAE M. LOUI, P.E.  
Director

GS:ct

MAY 8 2002

**FILE COPY**

2002-05-08-0A-FEA-

FINAL ENVIRONMENTAL ASSESSMENT

**WAIALUA BEACH ROAD**  
**SIDEWALK IMPROVEMENTS**

*Waialua, Oahu, Hawaii*

---

Prepared for

**Department of Design and Construction**  
City and County of Honolulu  
650 South King Street  
Honolulu, Hawaii 96813

April 2002

FINAL ENVIRONMENTAL ASSESSMENT

**(WAIALUA BEACH ROAD  
SIDEWALK IMPROVEMENTS)**  
*Waialua, Oahu, Hawaii*

---

Prepared in Partial Fulfillment of the Requirements  
of Chapter 343, Hawaii Revised Statutes and  
Title 11, Chapter 200, Hawaii Administrative Rules,  
Department of Health, State of Hawaii

Prepared for

**Department of Design and Construction**  
City and County of Honolulu  
650 South King Street  
Honolulu, Hawaii 96813

Prepared by

**Wm. Dean Alcon & Associates, Inc.**  
716 Umi Street, Suite 250  
Honolulu, Hawaii 96819

and

**Gerald Park Urban Planner**  
1400 Rycroft Street, Suite 876  
Honolulu, Hawaii 96814

April 2002

## PROJECT PROFILE

---

Proposed Action: Waialua Beach Road  
Sidewalk Improvements

Proposing Agency: Department of Design and Construction  
City and County of Honolulu  
650 South King Street  
Honolulu, Hawaii 96813

Accepting Authority: Department of Design and Construction for  
Mayor, City and County of Honolulu

Need for Assessment: Propose the use of county lands or funds

Location: Waialua, Oahu

Tax Map Key: 6-07-001  
Land Area: Portion of Waialua Beach Road Right-of-Way  
Landowner: City and County of Honolulu

Existing Use: Road, Walkway, and Road-right-of-way

State Land Use Designation: Agricultural, Urban  
*Sustainable* Community Plan: North Shore  
Land Use Map: Agriculture, Park, School  
Public Facilities Map: Agriculture, Parks, School  
Zoning: AG-1  
Special District: Outside Haleiwa Special District

Anticipated Determination: Finding of No Significant Impact

Contact Person: Gregory Sue  
Project Coordinator  
Department of Design and Construction  
City and County of Honolulu  
650 South King Street  
Honolulu, Hawaii 96813

Telephone: 527-6304

- Note:** 1) The title of the project has been revised to Waialua Beach Road Sidewalk Improvements; and  
2) Revisions to the text of the Draft Environmental Assessment appear in *bold italic* type. Deleted text is shaded.

## TABLE OF CONTENTS

---

	Project Profile	i
	Table of Contents	ii
	List of Figures and Images	iii
<b>SECTION 1</b>	<b>DESCRIPTION OF THE PROPOSED ACTION</b>	<b>1</b>
	A. Purpose and Need for the Project	1
	B. Technical Characteristics	1
	C. Social Characteristics	2
	D. Economic Characteristics	2
<b>SECTION 2</b>	<b>EXISTING CONDITIONS</b>	<b>6</b>
<b>SECTION 3</b>	<b>SUMMARY OF ENVIRONMENTAL IMPACTS AND MEASURES TO MITIGATE ADVERSE EFFECTS</b>	<b>11</b>
	A. Short-term Impacts	12
	B. Long-term Impacts	15
<b>SECTION 4</b>	<b>ALTERNATIVES TO THE PROPOSED ACTION</b>	<b>16</b>
	A. No Action	
<b>SECTION 5</b>	<b>PERMITS AND APPROVALS</b>	<b>17</b>
<b>SECTION 6</b>	<b>AGENCIES AND ORGANIZATIONS TO BE CONSULTED</b>	<b>18</b>
<b>SECTION 7</b>	<b>DETERMINATION OF SIGNIFICANCE</b>	<b>19</b>
	<b>REFERENCES</b>	<b>21</b>
	<b>APPENDIX A COMMENT LETTERS AND RESPONSES</b>	

## LIST OF FIGURES

---

Figure	Title	Page
1	Location Map	3
2	Site Layout Plan (4 Sheets)	4-7
3	Flood Insurance Rate Map	11

## IMAGES

---

Image	Title	Page
1	Road Shoulder Fronting Waialua Elementary School	9
2	Road Shoulder Between Goodale Avenue and Kuoha Street	9
3	Intersection of Goodale Avenue (Background) and Waialua Beach Road (Foreground)	9

The Department of Design and Construction, City and County of Honolulu, proposes to construct improvements along a section of Waialua Beach Road, in the vicinity of the town of Waialua, North Shore District, City and County of Honolulu. The project limits are confined to Waialua Beach Road between Kuoha Street on the west and Kiikii Stream on the east, a distance of approximately 1,850 lineal feet. A Location Map is shown in Figure 1.

#### A. Purpose and Need for the Project

The purpose of the project is to improve road conditions for pedestrians, bicyclists, and motorists along a section of Waialua Beach Road. The existing right-of-way is wide enough to accommodate two traffic lanes and other improvements such as curbs, sidewalks, and landscaping strips. The North Shore Community Vision Group and the Waialua community recognize the hazardous conditions posed by this section of road where there are no sidewalks to gain Waialua Elementary School and Waialua District Park safely from both directions.

The proposed improvements will improve the road right-of-way between Kuoha Street and Kiikii Stream for pedestrian use with ancillary street improvements along Waialua Beach Road and intersection improvements at Goodale Avenue.

#### B. Technical Characteristics

The proposed improvements are *located within the existing road-right-of-way and (Department of Planning and Permitting Comment)* and generally confined to the 30-foot wide shoulder and intersecting public and private driveways and roads. Proposed improvements include constructing: a) new concrete curb ramps and concrete walkways at intersecting roads; b) a multi-use pathway; c) cast in place concrete curb and gutter; d) new bus shelters and concrete stepping pads for bus stops; and e) traffic islands at the intersection of Goodale Avenue and Waialua Beach Road.

ADA accessible concrete curb ramps (7' L x 10'W) and concrete sidewalks (10'x10') will be built adjoining all driveways within the project limits. The concrete walkways will transition into the asphaltic concrete multi-use pathway.

The asphaltic concrete pathway will be 10 feet wide with an overall length of approximately 1,180 LF. The pathway is split into segments of varying lengths because of the numerous driveways and intersecting roads. The pathway will be wide enough to accommodate bicyclists and pedestrians.

Concrete curbs and gutters will be built along the makai edge of Waialua Beach Road. Road runoff will flow along the curb into existing drainage swales and catch basins along the road.

The intersection of Goodale Avenue and Waialua Beach Road will be reconstructed. Concrete sidewalks adjacent to the in and outbound lanes of Goodale Avenue will be 14' 6" wide to accommodate handicap ramps. Traffic islands will be built to better define traffic movements and to provide for an accessible sidewalk across Goodale Avenue.

Between Goodale Avenue and the Kiikii Stream, the two traffic lanes of Waialua Beach Road will be realigned between 1 to 17 feet makai of its current location. The realigned section is tapered on both ends and is widest in the middle. The realigned section will help to minimize the construction and cost of retaining walls that would be needed on the mauka side of the road if the traffic lanes were left as is. Street lights, utility poles, and traffic signs affected by the realignment will be relocated within the road-right-of-way.

An existing bus shelter fronting Waialua Elementary School will be replaced with a new shelter and a

bus shelter will be constructed to replace a bus stop (with bench) near Kuoha Street.

A 4' 6" planting strip adjoining the pathway will be landscaped with street trees and a permanent underground irrigation system installed. ***Street trees will be located to maintain and provide adequate vehicular sight distance (Department of Planning and Permitting Comment).***

**C. Economic Characteristics**

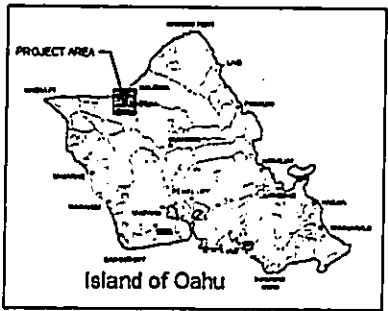
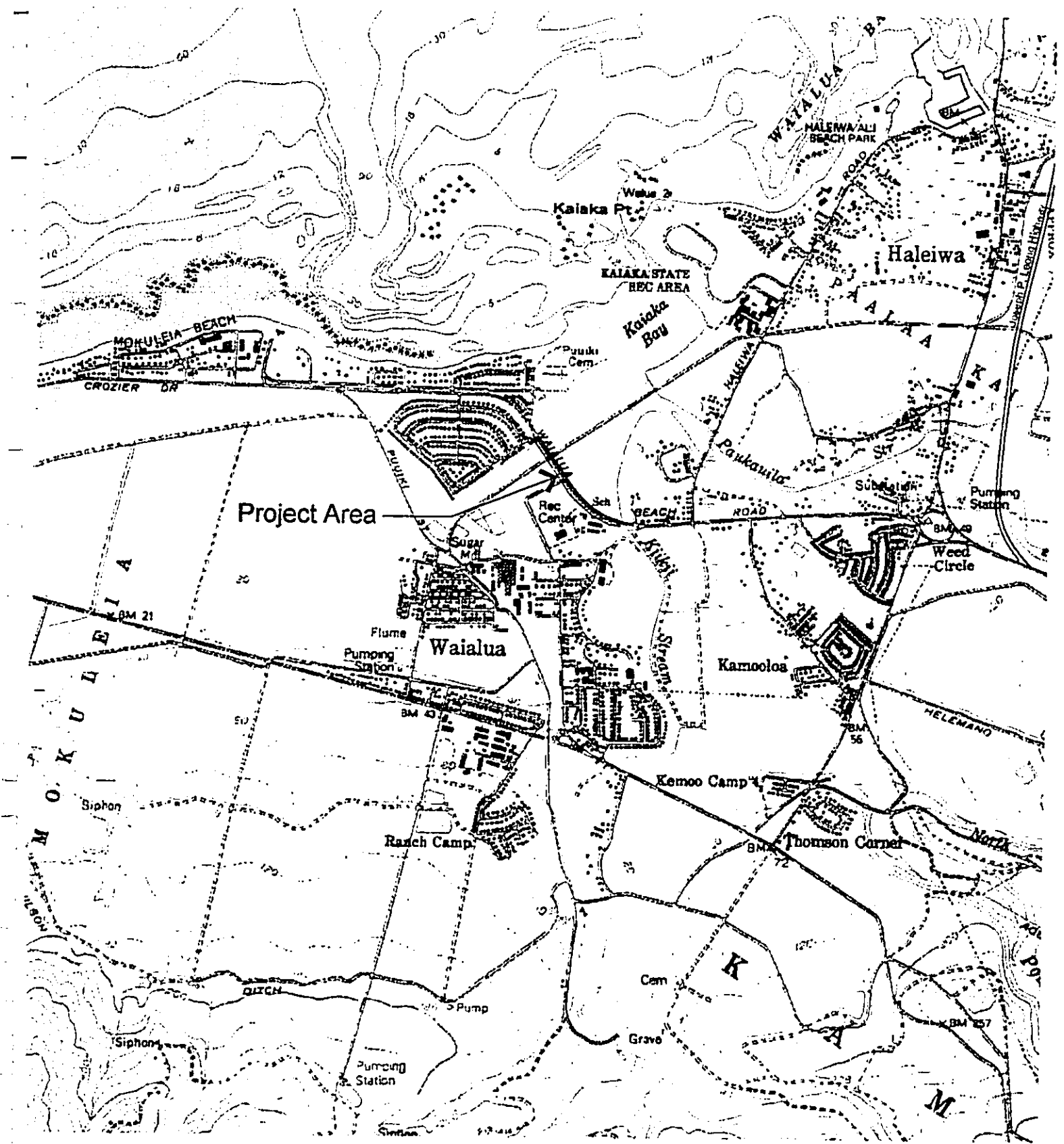
Two construction phases are proposed. Phase I construction would install all planned improvements between Goodale Avenue and Kuoha Street. Construction is projected to commence in 2002 and should be completed before the end of the year. Phase II construction between Goodale Avenue and Kiiikii Stream will be contingent on the availability of funds.

The estimated construction cost for Phase I is approximately \$300,000.00; Phase II construction is estimated at \$700,000.00

**D. Social Characteristics**

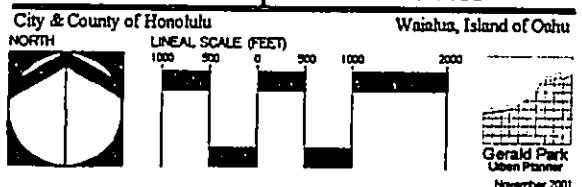
No residence or business establishment will be displaced because of the proposed project.





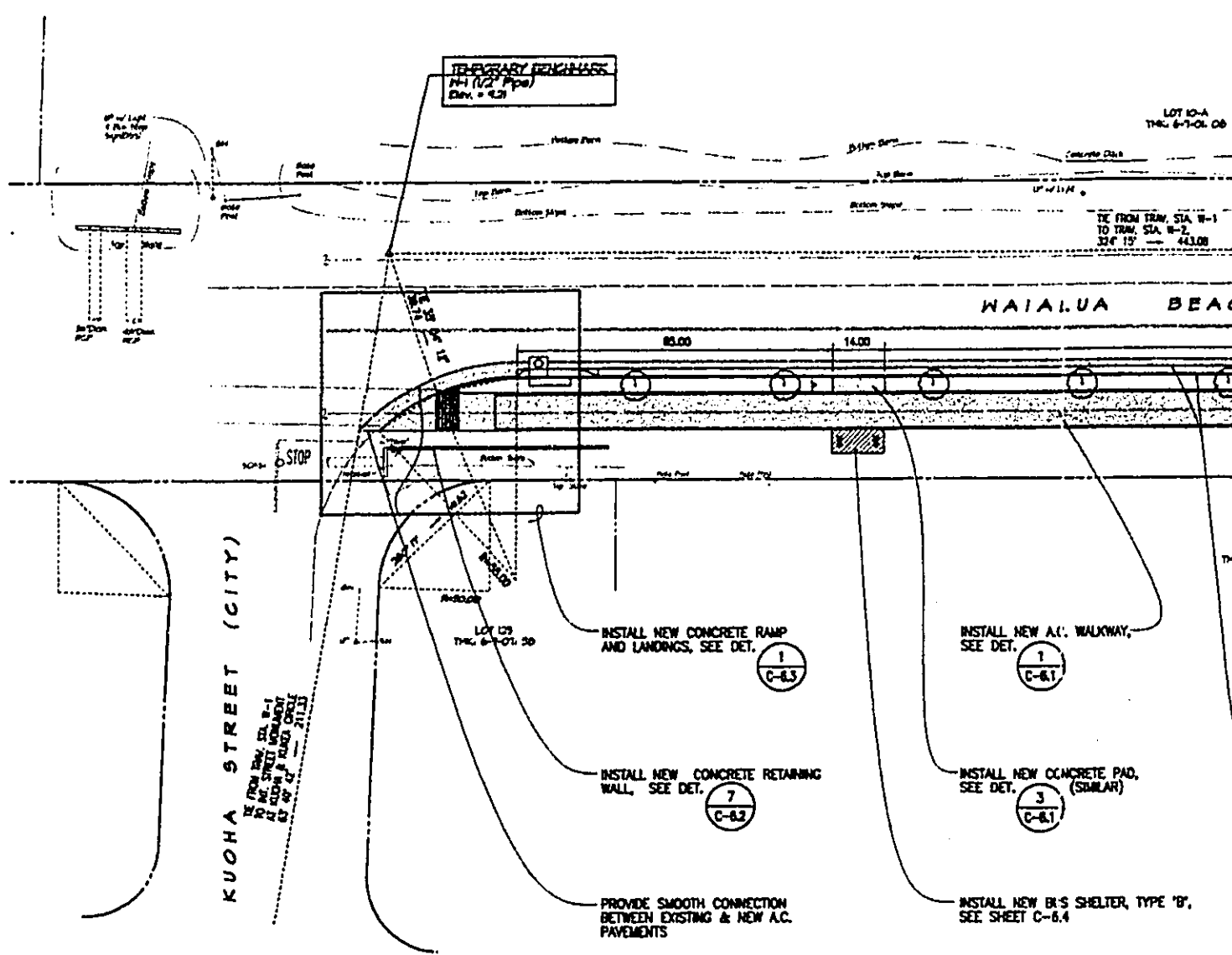
Source: USGS, Haleiwa Quadrangle

Figure 1  
Location Map  
Waialua Beach Road  
Sidewalk Improvements



# DOCUMENT CAPTURED AS RECEIVED

TRUE NORTH  
SCALE: 1" = 20 FT.



LOT 10-A  
THC 6-7-01. 08

TO FROM TRAV. STA. W-1  
TO TRAV. STA. W-2  
324' 15" — 443.00

KUOHA STREET (CITY)

WAIALUA BEACH

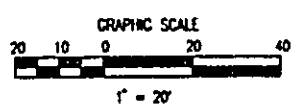
- INSTALL NEW CONCRETE RAMP AND LANDINGS, SEE DET. 1  
C-8.3
- INSTALL NEW A.C. WALKWAY, SEE DET. 1  
C-8.1
- INSTALL NEW CONCRETE RETAINING WALL, SEE DET. 7  
C-8.2
- INSTALL NEW CONCRETE PAD, SEE DET. 3  
C-8.1 (SIMILAR)
- INSTALL NEW B.S. SHELTER, TYPE 'B', SEE SHEET C-8.4
- PROVIDE SMOOTH CONNECTION BETWEEN EXISTING & NEW A.C. PAVEMENTS

**ABBREVIATIONS:**

- AC Asphalt Concrete
- B Bottom
- BC Bottom Curb
- BN Bottom Nail
- Conc. Concrete
- CRM Concrete Ribbed Masonry
- D Diameter, Drop
- S Ground
- H Height
- NECO Hawaiian Electric Company
- HTCO Hawaiian Telephone Company
- Inv. Invert
- L Light
- S Sewered Sewer
- SDHW Storm Drain Manhole
- SHW Sewer Manhole
- T Top
- TC Top Curb
- TS Top Man
- TSL Traffic Signal Light
- TP Top Post
- UP Utility Pole
- WH Water Manhole
- WHW Water Manhole
- WV Water Valve

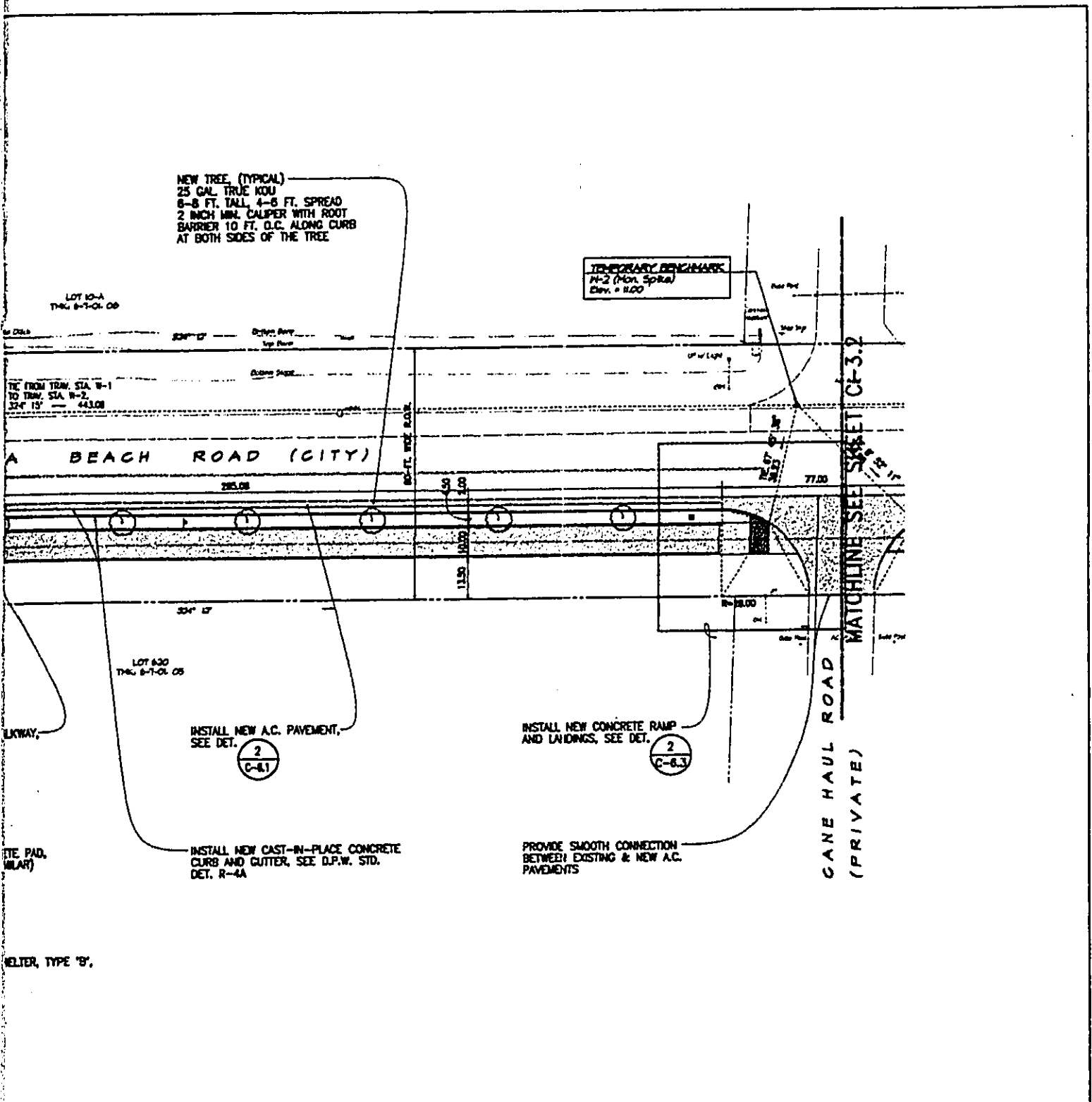
**LEGEND:**

- Dist. Drainage
- Dist. Waterline
- New A.C. Pavement
- New Concrete Pavement



**SITE LAYOUT PLAN**  
SCALE: 1 IN. = 20 FT.

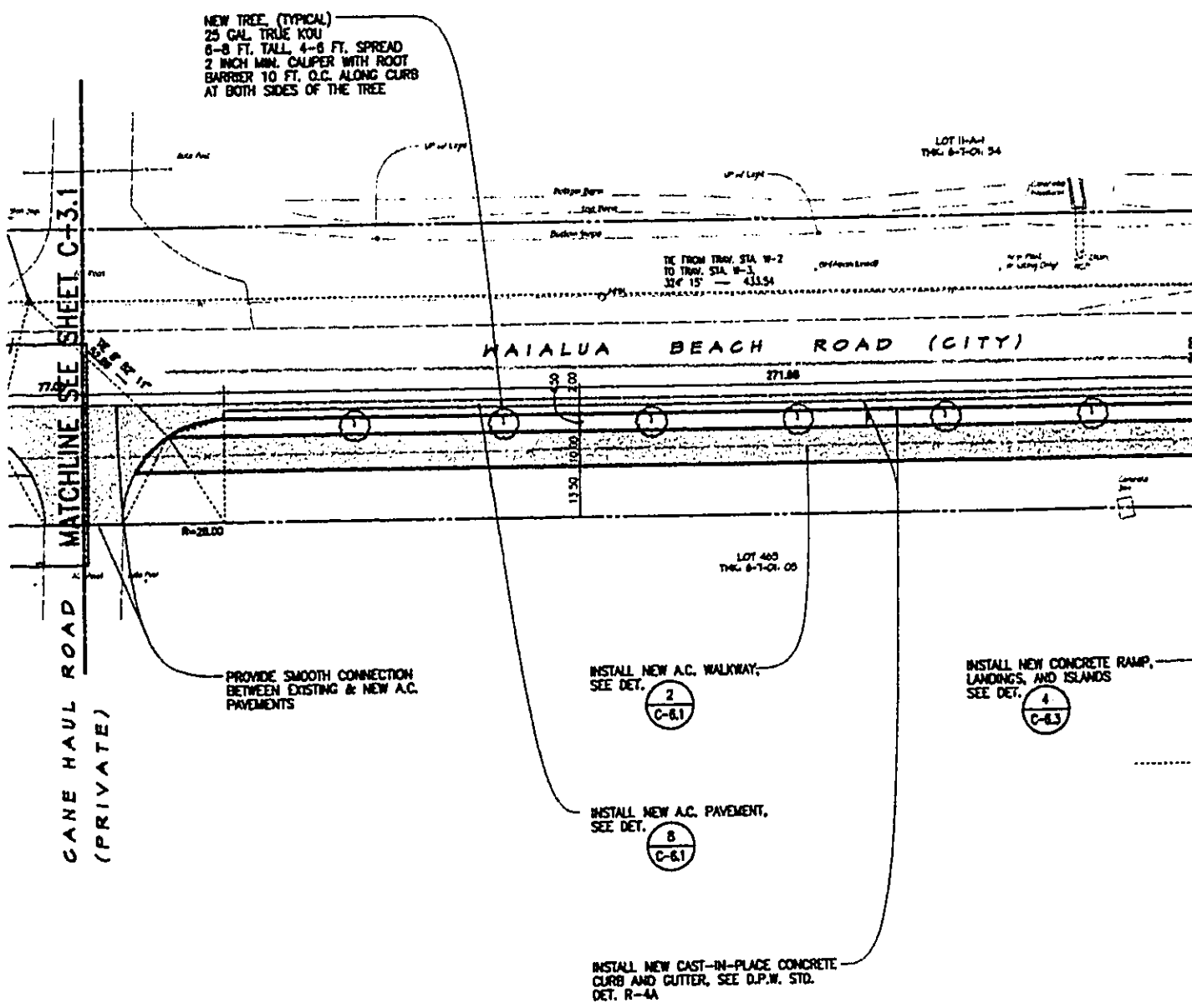
DOCUMENT CAPTURED AS RECEIVED



WALKWAY,  
SITE PAD,  
(BLAR)  
WELTER, TYPE 'B',

REVISION	DATE	REVISION	DATE	APPROVED	
DEPARTMENT OF DESIGN AND CONSTRUCTION CITY AND COUNTY OF HONOLULU CIVIL DESIGN AND ENGINEERING DIVISION <b>WAIALUA BEACH ROAD REALIGNMENT,                  SIDEWALK AND BIKEPATH</b> WAIALUA, OAHU, HAWAII SITE LAYOUT PLAN					
DESIGN: WT DRAWN: CL CHECKED: DA DATE: NOV. 2001 JOB NO. 59 - 01			APPROVED:  CHIEF, CIVIL DESIGN & ENGINEERING DIV., DD		SHEET NO. <b>C-3.1</b> SHEET OF SHEETS
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION  Wm. DEAN ALCON & ASSOC. 718 LINA STREET, SUITE 250 HONOLULU, HAWAII 96819			FILE ___ DRAW ___ FOLDER ___ NUMBER ___		

THE NORTH  
SCALE: 1 IN. = 20 FT.

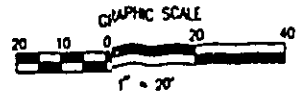


**ABBREVIATIONS:**

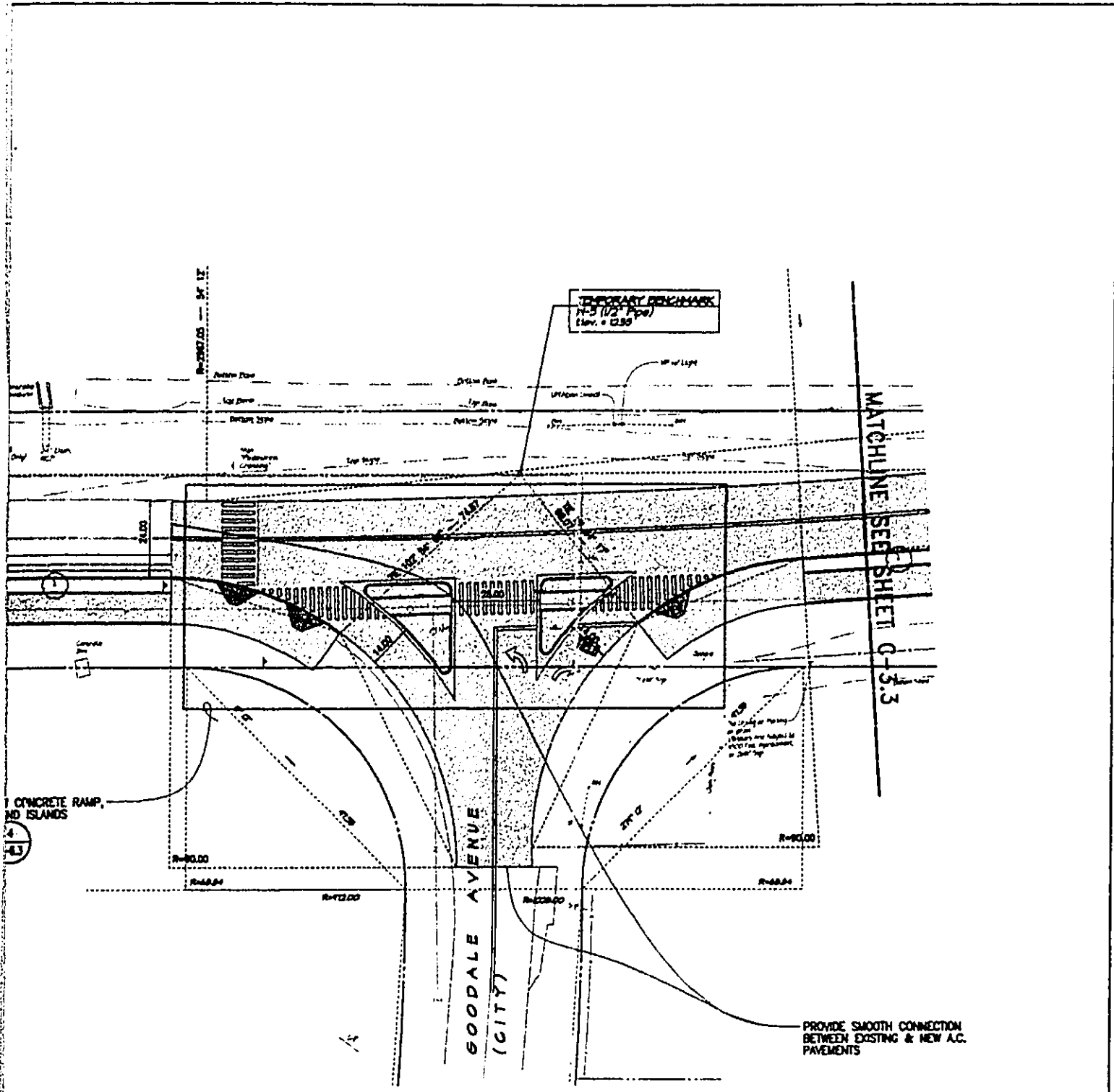
AC	Asphalt Concrete
B	Bottom
BC	Bottom Curb
BM	Bottom Mast
CONC.	Concrete
CRN	Concrete Retain Masonry
D	Drain
D	Drain
D	Drain
H	Height
HECO	Hawaii Electric Company
HTCO	Hawaii Telephone Company
IN	Invert
LI	Light
S	Signal
SONH	Signal Crane Hook
SPH	Signal Mast
T	Top
TC	Top Curb
TS	Top Sign
TL	Top Light
TH	Top Hole
MP	Mast Pole
MH	Mast Hook
MV	Mast Valve

**LEGEND:**


Drain	—D—
Drain	—M—
New A. C. Pavement	
New Concrete Pavement	



**SITE LAYOUT PLAN**  
SCALE: 1 IN. = 20 FT.



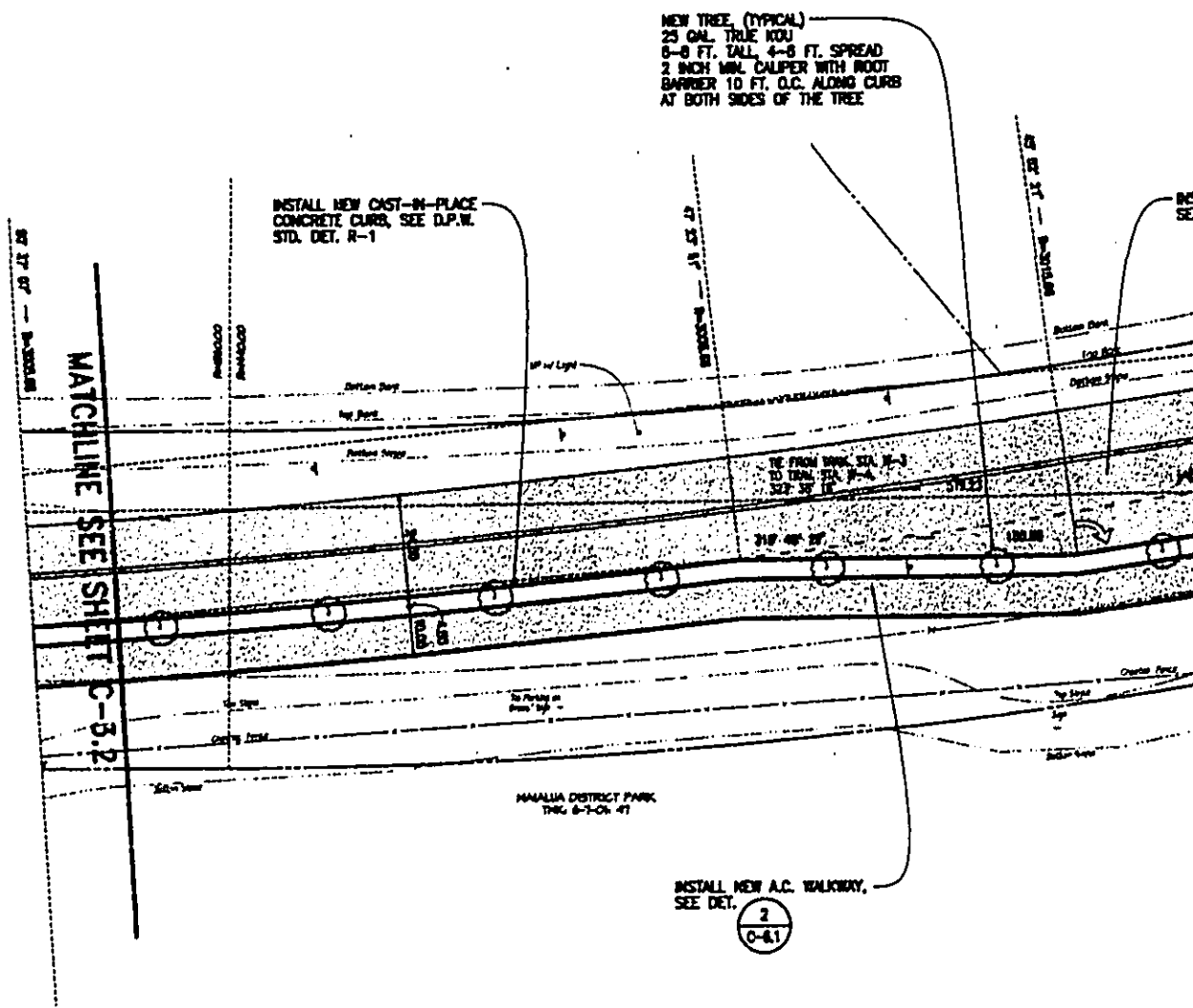
REVISION	DATE	DESCRIPTION	ENGR.	APPROVED

  
 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION  
 WM. DEAN ALCON & ASSOC.  
 716 LINA STREET, SUITE 250  
 HONOLULU, HAWAII 96819

DEPARTMENT OF DESIGN AND CONSTRUCTION  
 CITY AND COUNTY OF HONOLULU  
 CIVIL DESIGN AND ENGINEERING DIVISION  
**WAIALUA BEACH ROAD REALIGNMENT,  
 SIDEWALK AND BIKEPATH**  
 WAIALUA, OAHU, HAWAII

SITE LAYOUT PLAN

DESIGN: WT	APPROVER:	SHEET NO. <b>C-3.2</b> SHEET OF SHEETS
DRAWN: EL	DATE: NOV. 2001 JOB NO. 59 - 01	
CHECKED: DA		
FILE DRAW FOLDER NUMBER		



**ABBREVIATIONS:**

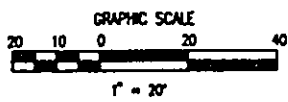
- AC Asphalt Concrete
- B Bldg
- BC Bottom Curb
- BN Bottom Post
- Conc. Concrete
- CM Concrete Masonry
- D Diameter, Drain
- Ø Offset
- H Height
- HECO Hawaiian Electric Company
- HTCO Hawaiian Telephone Company
- Int. Invert
- L Light
- S Sewer, Sewer
- SDM Storm Drain Manhole
- SM Sewer Manhole
- T Top
- TC Top Curb
- TS Top Street
- TSL Traffic Signal Light
- DN Top Post
- UP Utility Pole
- M Manhole
- MVF Manhole Valve
- MVF Manhole Valve

**LEGEND:**

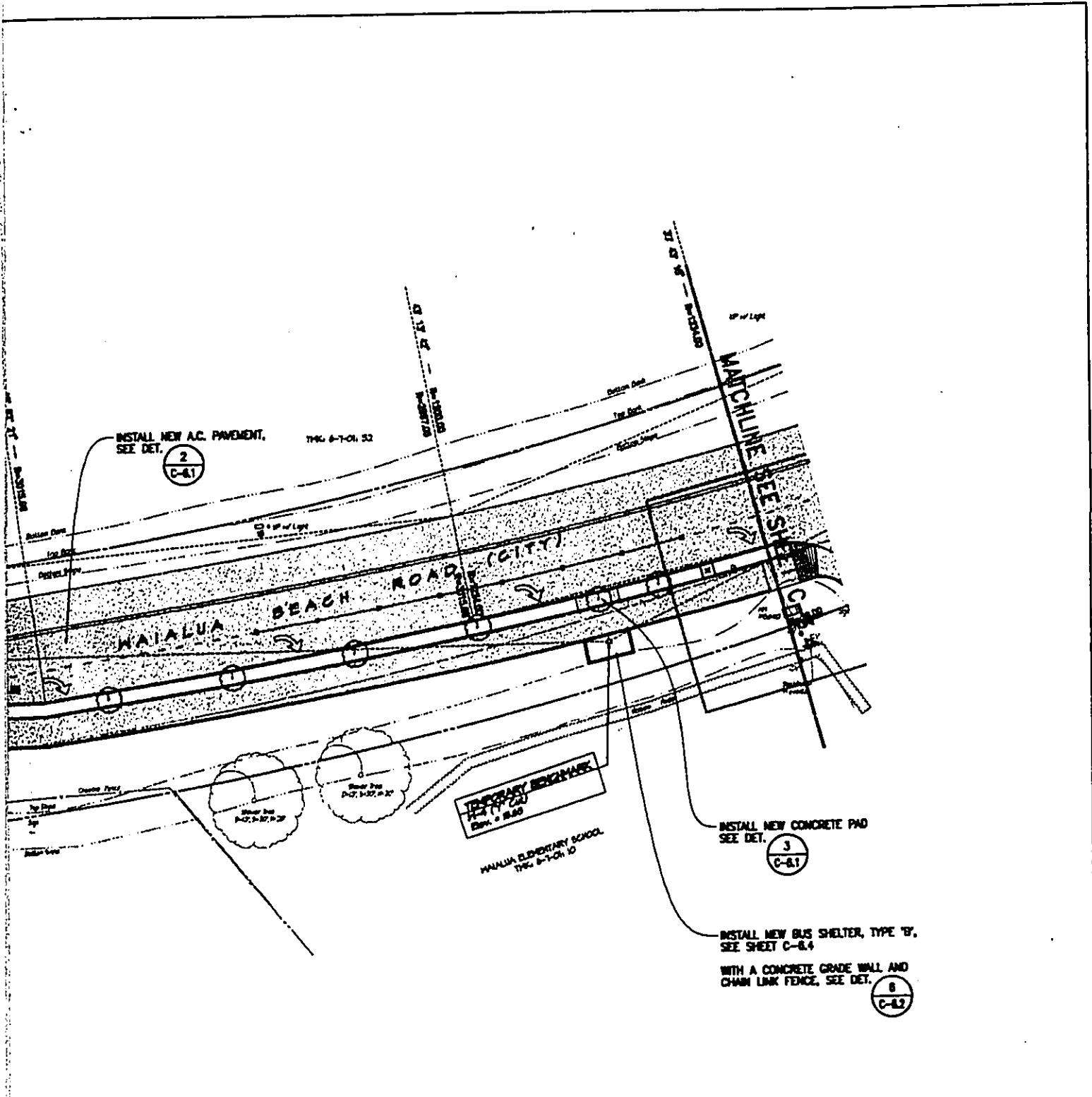
- Dist. Drainage
- Dist. Waterline
- New A. C. Pavement
- New Concrete Pavement


**SITE LAYOUT PLAN**

SCALE : 1 IN. = 20 FT.



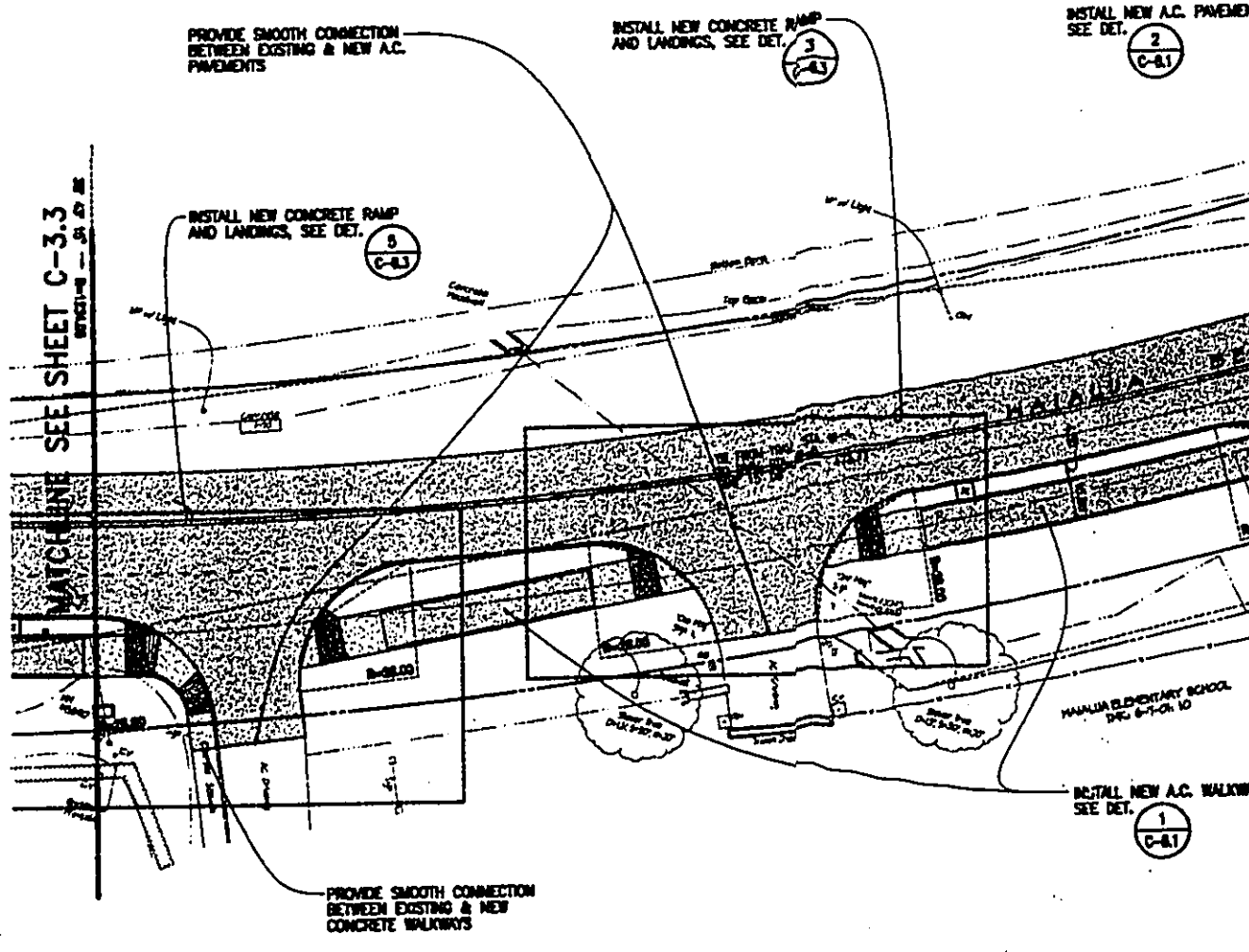
# DOCUMENT CAPTURED AS RECEIVED




  
 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION  
 WILLIAM DEAN ALCON & ASSOC.  
 718 UHI STREET, SUITE 250  
 HONOLULU, HAWAII 96819

DEPARTMENT OF DESIGN AND CONSTRUCTION  
 CITY AND COUNTY OF HONOLULU  
 CIVIL DESIGN AND ENGINEERING DIVISION  
**WAIALUA BEACH ROAD REALIGNMENT,  
 SIDEWALK AND BIKEPATH**  
 WAIALUA, OAHU, HAWAII  
 SITE LAYOUT PLAN

DESIGNER: WT	APPROVED:	SHEET NO. <b>C-3.3</b> SHEET OF SHEETS
DRAWING: EL	DATE: NOV. 2001	
CHECKED: BA		
JOB NO. 59 - 01		FILE DRAW FOLDER NUMBER

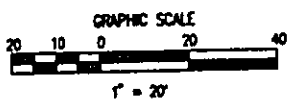


**ABBREVIATIONS:**

- AC Asphalt Concrete
- B Bottom
- BC Bottom Curb
- BN Bottom Nail
- CON Concrete
- CPM Concrete Paving Machinery
- D Chamber, Drain
- G Ground
- H Height
- NECO Hawaiian Electric Company
- NTCO Hawaiian Telephone Company
- IS Invert
- LS Light
- S Signal Saver
- SCM Storm Drain Manhole
- SM Sewer Manhole
- T Top
- TC Top Curb
- TS Top Stone
- TL Traffic Signal Light
- TM Top Nail
- MP Manhole Pole
- MPH Manhole Pole
- MPH Manhole Pole
- MPH Manhole Pole

**LEGEND:**

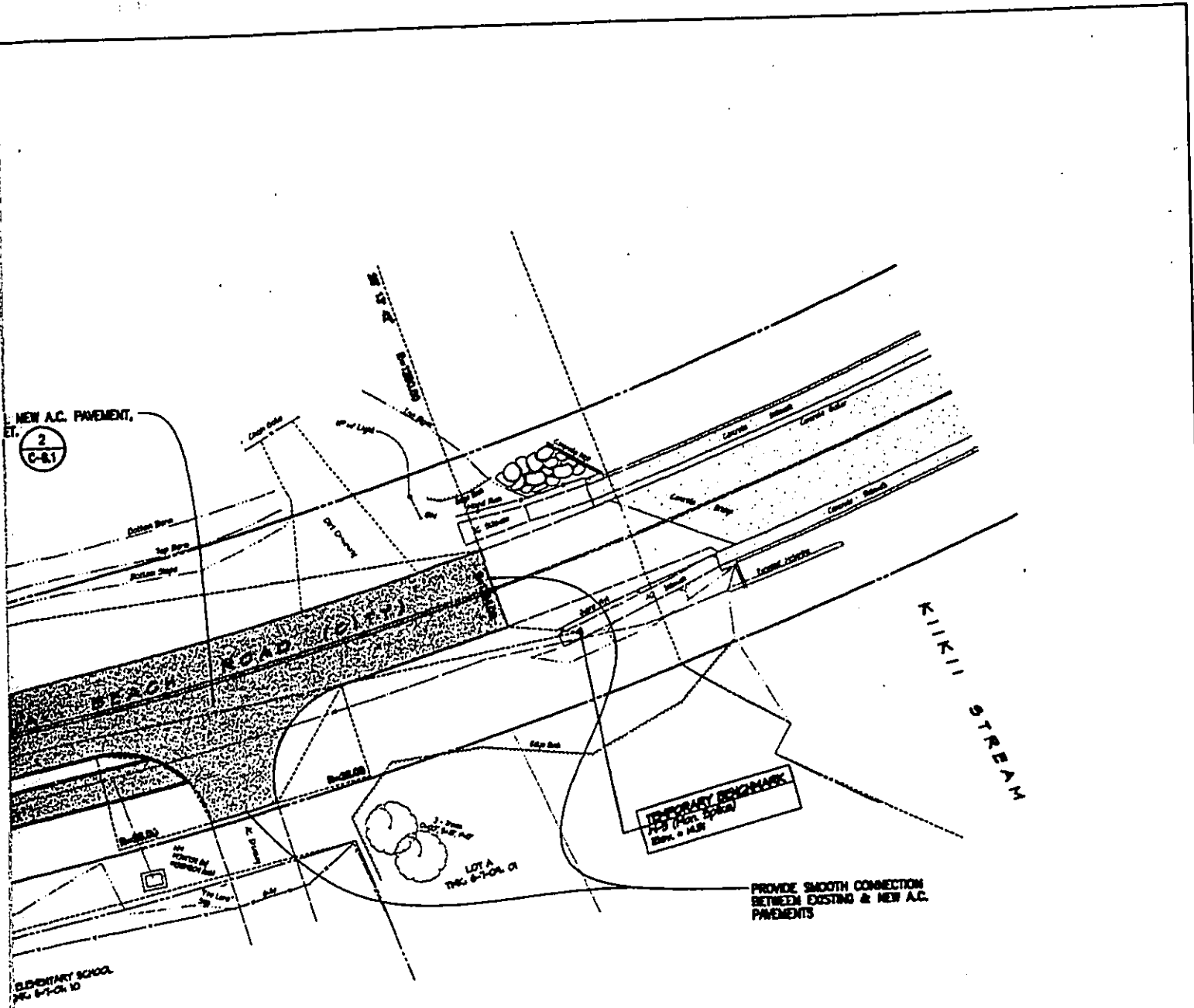
- Dist. Driveline
- Dist. Meterline
- New A.C. Pavement
- New Concrete Pavement



**SITE LAYOUT PLAN**  
SCALE : 1 IN. = 20 FT.



# DOCUMENT CAPTURED AS RECEIVED



ALL NEW A.C. WALKWAY.  
 DET. 1  
C-81

NEW A.C. PAVEMENT.  
 DET. 2  
C-81

	DEPARTMENT OF DESIGN AND CONSTRUCTION CITY AND COUNTY OF HONOLULU CIVIL DESIGN AND ENGINEERING DIVISION <b>WAIALUA BEACH ROAD REALIGNMENT,                  SIDEWALK AND BIKEPATH</b> WAIALUA, OAHU, HAWAII									
SITE LAYOUT PLAN										
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION  WIL. DEAN ALCORN & ASSOC. 718 LINA STREET, SUITE 250 HONOLULU, HAWAII 96813	DESIGN: WT DRAWN: EL CHECKED: BA DATE: APR. 1984 JOB NO. 58 - 01	APPROVED:  WIL. DEAN ALCORN & ASSOC. INC.	C-3.4							SHEET OF SHEETS
FILE _____ FOLDER _____ NUMBER _____										

### A. Existing Conditions

The project is confined generally to the mauka shoulder of Waialua Beach Road. The 80-foot right-of-way has already been altered by construction of Waialua Beach Road and improvements along both shoulders. The improvements include three driveways to Waialua Elementary School, private roads, and public roads, a taper for a bus stop fronting Waialua Elementary School which is also used as a deceleration /right turn lane into the school, a 3-foot wide asphalt concrete walkway between Goodale Avenue and Kuoha Street, and infrastructure improvements. There is no walkway between Goodale Avenue and Kiikii Stream---portions of the road shoulder are used as a walkway.

The mauka shoulder, which varies from 30 to 40 feet in width, is unpaved and composed of a mixture of dirt, gravel and stones, and grass and weeds in some areas. Two bus stops---a bench near Kuoha Street and a covered bus shelter fronting Waialua Elementary School (See Image 1)---are on the shoulder. There is no walkway between Goodale Avenue and Waialua Elementary School; the road shoulder functions as the walkway. At the time of our field survey, pedestrians and joggers were observed walking and jogging on the asphalt concrete walkway and the road shoulder (See Image 2). People also were seen boarding buses at the bus stops.

Waialua Beach Road, a two-lane, two-way undivided highway, has a pavement width of 20 feet. There are no curbs or gutters for roadside drainage. Utility poles and streetlights are located within the road right-of-way on the makai side of the road.

Waialua Elementary School, recreation facilities at Waialua District Park, and a residential subdivision off Kuoha Street are the principal man-made structures and activities conducted in the area. Fallow agricultural fields border Waialua Beach Road on both sides between Goodale Avenue and Kuoha Street. Access to the fields is via private roads that are gated when not in use.

Between Goodale Avenue and Kiikii Stream, a chain link fence separates the right-of-way from Waialua District Park and Waialua Elementary School. Gates secure the school's driveways during non-school hours. The road right-of-way is approximately 100 feet from the nearest classroom building.

The acoustical environment is dominated by the sound of passing vehicles. Sounds of nature---birds chirping, the wind, and crowing roosters---can be heard in the absence of vehicle traffic. School bells also are heard when school is session.

### A. Physical Conditions

The shoulder is relatively flat having been graded in the past. Ground elevation transitions from a high of about 15 feet at a fire lane into Waialua Elementary School (near Kiikii Stream) to about elevation 10 feet at Kuoha Street. Between Goodale Avenue and Waialua Elementary School the street is about 4 feet higher in elevation than the adjoining properties. The road surface is sloped from mauka to makai to facilitate drainage.

The Soil Conservation Service (1972) soil map for the area identifies one soil type--- Mamala stony silty clay loam (MnC)--- over the entire property. This soil is a shallow well-drained soil found along the coastal plains of the islands of Oahu and Kauai. This soil formed in alluvium deposited over coral limestone and consolidated sand. Stones, mostly coral rock fragments, are common in the surface layer and in profile. This soil is moderately permeable, the erosion hazard is slight, and runoff is slow.

There is no municipal drainage system per se in the area. Surface runoff on the mauka side of

Image 1.

Road Shoulder Fronting  
Waialua Elementary  
School.



Image 2.

Road Shoulder Between  
Goodale Avenue and  
Kuoha Street.



Image 3.

Intersection of Goodale  
Avenue (Background) and  
Waialua Beach Road  
(Foreground).



Waiialua Beach Road flows into earthen swales along the road where it is conveyed under the road through drainpipes and discharged onto fallow agricultural fields on the makai side.

The **Flood Insurance Rate Map** places most of the area within the project limits in Flood Zone "X". Zone X is defined as "areas determined to be outside 500-year flood plain (Federal Emergency Management Agency, 2000)". At Kuoha Street about 100 LF of the pathway is within Flood Zone X (Shaded), which is defined as "areas of 500-yr flood with average depths of less than 1 foot."

The shoulder is generally devoid of **vegetation** except for splotches of common Bermuda grass and roadside weeds. Monkeypod (*Samanea saman*), rainbow shower trees, and red hibiscus are planted on the grounds of Waiialua Elementary School. Grass at the Waiialua District Park grows up to the edge of the right-of-way.

Coconut and bougainvillea were observed growing in a house yard at Kuoha Street. An unknown tree was observed in the same yard with several seedlings from the tree growing in a drainage swale adjoining Waiialua Beach Road.

No evidence of **archaeological or cultural features** was observed on the ground surface. Grading and subsequent general roadway improvements have removed any features if they previously occurred in the right-of-way.

#### **B. Land Use Controls**

Waiialua Beach Road within the project limits is classified Agricultural by the State Land Use Commission. At its intersection with Waiialua Beach Road, Goodale Avenue is within the State Land Use Urban district and the improvements proposed at the intersection appear to be in the Urban rather than Agricultural district.

As depicted on the North Shore *Sustainable Communities Plan* Land Use and Public Facilities Maps the project limits appear to be designated for Agriculture. The Plan talks about providing "more opportunities and support facilities for convenient and safe pedestrian and bicycle travel" and emphasizing "accessibility from residential streets to bus routes, parks, schools, and commercial centers."

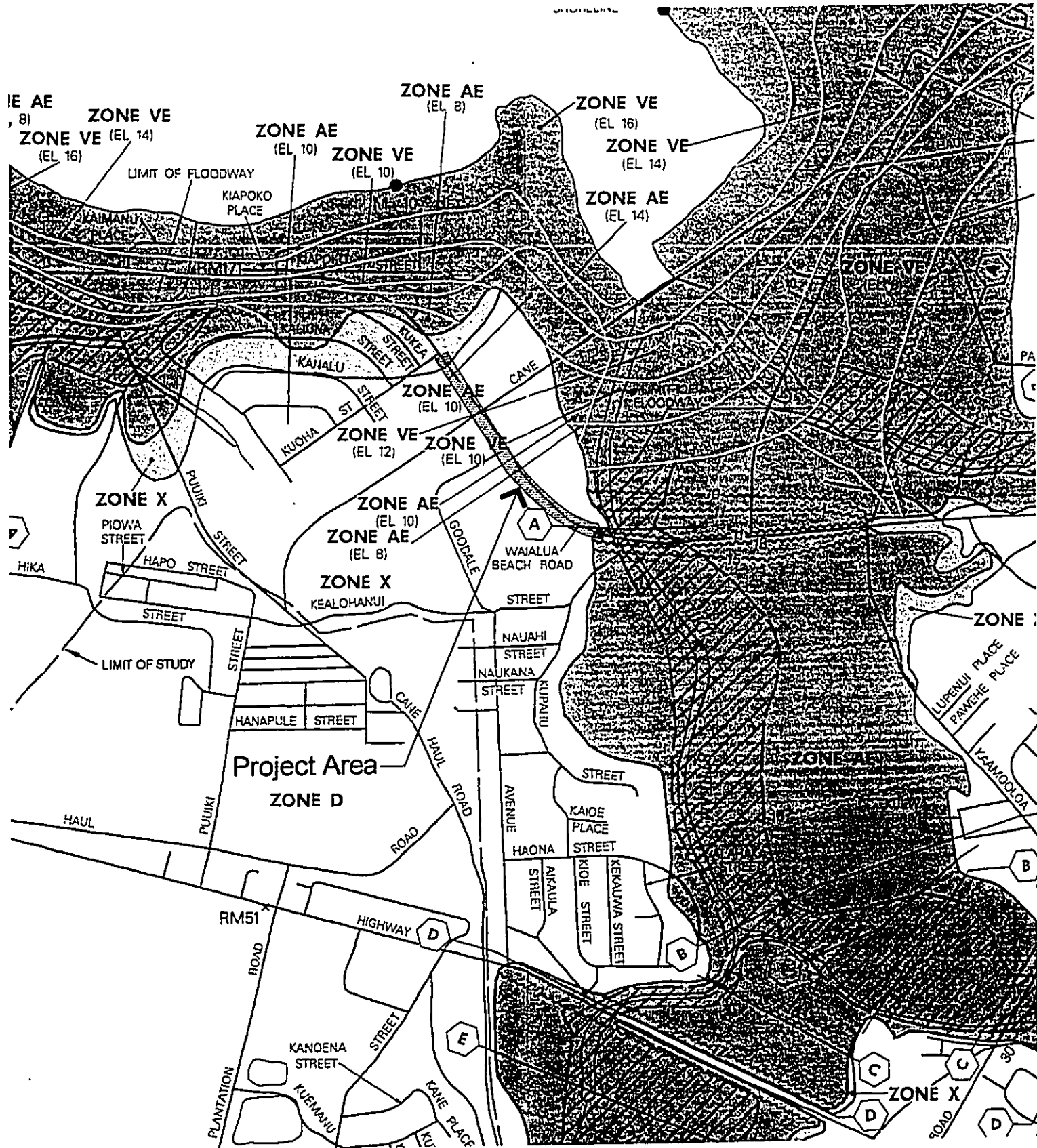
Waiialua Beach Road is zoned AG-1. The project is also within the County delineated Special Management Area and a Major Special Management Area Permit will be required before construction.

#### **C. Public Facilities**







Goodale Avenue, a two-way, two-lane **street**, connects Waiialua Beach Road and Kaukonahua Road. Between both roads, Goodale Avenue provides access to the Waiialua Shopping Center, the old Waiialua Sugar Mill, Waiialua Library, and residential and commercial activities in between. At its intersection with Waiialua Beach Road, traffic movement is controlled by a stop sign. There are no traffic islands to define outbound traffic movement at this intersection. Lane separation is by road striping (See Image 3).

**Water** is available from an existing 12" Board of Water Supply main in Waiialua Beach Road. A section of the water lies within a 10-foot wide easement crossing the northeastern corner of the park site. An application for water connection will be submitted to the Board of Water Supply during the design stage of the project.

There is no municipal **sewer** system in the town of Waiialua. Cesspools or other types of individual wastewater treatment systems are the principal means of domestic wastewater collection and disposal.



**Legend**

-  Special Flood Hazard Zone Inundated by 100-Year Flood
-  Zone AE Base Flood Elevation Determined.
-  Zone VE Coastal Flood with Velocity Hazard (Wave Action); Base Flood Elevation Determined.
-  Zone XS Areas of 500-Year Flood with Average Depths of Less Than 1 foot.
-  Zone X Areas Determined to be Outside 500-Year Floodplains.
-  Floodway Area in Zone AE

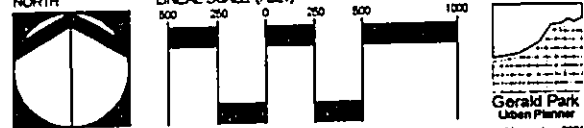
Source: Federal Emergency Management Agency  
 Flood Insurance Rate Map  
 Map Number 15003C0105E  
 Date: November 2000.

**Figure 3**  
 Flood Insurance Rate Map  
 Waialua Beach Road  
 Sidewalk Improvements

City & County of Honolulu  
 Waialua, Island of Oahu

NORTH

LINEAL SCALE (FEET)  
 0 250 500 1000



Gerald Park  
 Urban Planner  
 November 2001

**Electrical and telephone services** are provided by overhead lines on poles within the right-of-way on the makai side of Waialua Beach Road.

**Waialua District Park**, a city park, is located adjacent to Waialua Beach Road at its intersection with Goodale Avenue. The 12.8 acre park provides facilities for indoor and outdoor recreation activities. A partial list of facilities include a recreation building/gymnasium, swimming pool and training pool, 4 tennis courts, a baseball field, a softball field, and a basketball/volleyball court. Most of the outdoor facilities are lighted for night use.

**Waialua Elementary School (K-6)** is located at the eastern end of the project area. The School has a design enrollment of 600 students and is operating near capacity (Department of Planning and Permitting, 1999).

### 3

## SUMMARY OF POTENTIAL ENVIRONMENTAL IMPACTS AND MEASURES TO MITIGATE ADVERSE EFFECTS

---

The scope of the project was discussed with the consulting engineer, members of the design team, and staff of the Department of Design and Construction. State and County agencies were contacted for information relative to their areas of expertise. Time was spent in the field noting site conditions and conditions in the vicinity of the project. The sum total of our consultations and field investigations helped to identify existing conditions and features that could affect or be affected by the project. These conditions include:

- There are no rare, threatened, or endangered flora or fauna along Waialua Beach Road;
- There are no recorded archaeological resources within the right-of-way of Waialua Beach Road;
- The project area is not an identified visual resource;
- The project area is not located in a flood hazard zone; *and*
- *All improvements are proposed within the Waialua Beach Road right-of-way (Department of Planning and Permitting Comment).*

#### A. Short-term Impacts

The proposed improvements will be constructed using cut and cover methods or variations thereof as determined by field conditions. In its simplest application, the ground will be excavated (or scraped) to a certain depth, surface and subsurface materials removed, construction forms erected, concrete poured, and asphalt laid and rolled. After construction, formwork will be removed and nearby areas restored to pre-construction conditions or better. Construction will be confined to within the road right-of-way except if such work cannot be avoided. Reasonable efforts will be taken to avoid damaging private property along the road.

Because the project is route specific (versus site specific), construction progresses from one location to another along a predetermined alignment. Thus, construction impacts, although repetitive over the length of the project area, essentially are temporary at any one location.

Site work is a persistent source of fugitive dust. Site contractors are aware that dust is a nuisance to both workers and people living or working near to work sites and it is imperative for them to maintain stringent dust controls. Frequent water sprinkling is probably the most effective dust control measure given the size of the site and the type and scale of proposed improvements. The Contractor, however, may choose to implement other measures based on their experience with similar projects and job sites.

The Contractor will be responsible for general housekeeping of the site and for keeping drain systems and adjacent areas free of mud, sediment, and construction litter and debris. Pollution control measures will comply with Chapter 60.1, Air Pollution Control regulations of the State Department of Health.

Like fugitive dust, construction noise cannot be avoided. The right-of-way is bounded by open space and agricultural uses. School and residential properties are considered noise sensitive areas and construction noise will clearly be audible as construction work takes place fronting these uses. Exposure to noise will vary by construction phase, the duration of each phase, and the type of equipment used during the different phases. Maximum sound levels in the range of 82-96 db(A) measured at 50 feet from the source would be generated by heavy machinery and pneumatic impact equipment during the site work phase. After site work is completed, reductions in sound levels, frequency, and duration can be expected during actual construction.

Community Noise Control regulations establish maximum permissible sound levels for construction activities occurring within "acoustical" zoning districts. Based on the agriculture zoning of the area, part of the project is located in the Class C zoning district and public facilities such as Waialua Elementary School and residential uses (Kuoha Subdivision) fall within the Class A zoning district for noise control purposes. The maximum permissible daytime sound level in the Class C zoning district is 70 dBA all day and 55 dBA in the Class A zoning district between 7 a.m. to 10 p.m. (Chapter 46, Community Noise Control, 1996).

In general, construction activities cannot exceed the permissible noise levels for more than ten percent of the time within any twenty minute period except by permit or variance. Any noise source that emits noise levels in excess of the maximum permissible sound levels cannot be operated without first obtaining a noise permit from the State Department of Health. Although the permit does not attenuate noise per se it regulates the hours during which excessive noise is allowed.

The general contractor will be responsible for obtaining and complying with conditions attached to the permit. Work will be scheduled between the hours of 8:00 AM to 3:30 PM Mondays through Fridays. ***The Contractor will try to schedule construction work fronting Waialua Elementary School when school is not in session (Office of Environmental Quality Control and Department of Planning and Permitting Comment).*** The contractor will also ensure that construction equipment with motors is properly equipped with mufflers in good operating condition.

Site work will expose soil thus creating opportunities for runoff and erosion. Trenching, grading, and stockpiling of soil will be performed in accordance with erosion control standards of the City and County of Honolulu and approved grading plans. Best Management Practices (BMPS) for erosion and drainage control during construction will be prepared for review and approval by the Department of Planning and Permitting. Construction work will not exceed five (5) acres in area thus a NPDES General Permit Authorizing Discharges of Storm Water Associated with Construction Activity will not be required from the State Department of Health.

Flora observed along the alignment is common to the Island of Oahu and State of Hawaii. None are considered rare, threatened, or endangered or proposed for such status.

***Should a previously unidentified historic or archaeological resources (including burials) be discovered during construction, all work in the affected area will stop and the State Historic Preservation Division will be notified and consulted on the appropriate treatment measures (Office of Environmental Quality Control Comment).***

Construction in the right-of-way will interrupt traffic, result in slightly longer travel times, and generally inconvenience motorists. These impacts cannot be avoided. At least one traffic lane will be closed and traffic diverted to the other half during working hours.

Traffic cones or other directional devices will be placed in the roadway to guide vehicles around work areas. The contractor will implement measures to provide access past work sites and minimize the inconvenience to subdivision residents. Measures to be taken to mitigate traffic impacts include but are not limited to:

- Posting warning signs on both sides of the work area to alert motorists of road work and to slow traffic speed;
- Positioning traffic cones or other directional devices in the roadway to guide vehicles around work areas;
- Posting flagmen to assist in traffic control;
- Providing alternative access if driveway closings cannot be avoided;
- Maintaining access to and egress from Waialua Elementary School; and
- Limiting construction to between 8:00 AM and 3:30 PM, Monday through Friday.

Safety devices will be installed and signs will be posted for the duration of construction.



Material deliveries will be scheduled during non-peak traffic hours to minimize impacts on local traffic. Flagmen will be posted for traffic control during material loading and off-loading.

The contractor will coordinate driveway crossings with the owner of several private roads and the principal of Waialua Elementary School. Vehicle access may be temporarily restricted to one side of the driveway during construction.

A 4-foot wide, level base walkway will be built for pedestrian and biker use during construction. The temporary walkway will be located within the road shoulder as determined by field conditions. Temporary barriers will be erected to separate pedestrians from men and equipment at work.

The bus stop in each phase of the project will be closed and a temporary stop located nearby to continue to provide public transit. When the new bus shelter is available for public use, then the temporary stop will be closed. Discussion has been initiated with operators of TheBus to find the most suitable locations for each of the temporary bus stops.

Although utility poles and posted traffic signs will be relocated, there should be no adverse affect on utility services during construction. Construction plans will be submitted to the respective utility companies and government agency for review and approval prior to construction.

In the event of accidental breakage water of electrical lines, emergency crews will be summoned immediately to repair the break and affected residents and institutions notified of the disruption. If extensive repair work is required, the contractor will take reasonable effort to provide service.

#### **B. Long-term Impacts**

The proposed improvements will provide a new and safer walkway between Kuoha Street and Kiikii Stream. The existing narrow asphalt concrete walkway between Kuoha Street and Goodale Avenue will be replaced, concrete curbs at Goodale Avenue and Waialua Beach Road will better define the walkway across the intersection, and the shoulder area between Goodale Avenue and Kiikii Stream will be widened to accommodate a walkway where none currently exists. The walkway will benefit residents of the area and especially the children who walk along the precarious road shoulder to gain Waialua Elementary School or the nearby Waialua Recreation Center.

The planting of street trees will help to improve roadside aesthetics and create a roadside image for pedestrians, joggers, bicyclists, and motorists. Intersection improvements at Goodale Avenue and Waialua Beach Road will provide safer pedestrian crossing and better define traffic movements for the approach on Goodale Avenue.

Construction of a bike path supports the North Shore *Sustainable* Communities Plan guideline of creating a bike route along Waialua Beach Road. The bike path would be accommodated as part of the 10-foot wide walkway and shared with pedestrians and joggers. If shared use poses a safety hazard, then consideration should be given to moving the bike path into the travelway.

The proposed project supports Plan guidelines and principles for fostering safe and convenient pedestrian travel and accessibility to parks, schools, and bus routes. And although the project is located on the outskirts of Waialua Country Town, it helps set the tone and character for people entering the town with improved signage, landscaping, and pedestrian accessibility.

No changes in existing drainage patterns are anticipated. Street curbing will confine street runoff to Waialua Beach Road and street grades will allow water to flow onto the makai side of the road.

**ALTERNATIVES TO THE PROPOSED ACTION**

---

**A. No Action**

A no action alternative would maintain the status quo thus precluding the occurrence of all environmental impacts, short and long-term, beneficial and adverse described in this Assessment.

Permits required for the project and responsible authorities are identified below. Additional permits and approvals may be required depending on final construction plans.

<u>AUTHORITY</u>	<u>PERMIT/APPROVAL</u>
City and County of Honolulu *City Council Department of Planning and Permitting Department of Planning and Permitting	Special Management Area Permit Grubbing, Grading, and Stockpiling Permit Building Permit for Building, Electrical, Plumbing Sidewalk/Driveway and Demolition Work
Department of Planning and Permitting	Permit to Excavate Public Right-of-Way
State of Hawaii Department of Health	Variance From Pollution Controls

*\* The Department of Planning and Permitting commented that if the proposed improvements are constructed within the road right-of-way, the project would be exempt from obtaining a Special Management Area permit under Chapter 25, Sections 1.3 (2) (B) and 1.3 (2) (M).*

*The Draft Environmental Assessment for the Waialua Beach Road Realignment Sidewalk and Bikepath was published in the Office of Environmental Quality Environmental Notice of March 8, 2002 and March 23, 2002. Publication initiated a 30-day public review period ending on April 8, 2002. The Draft Environmental Assessment was mailed to agencies and organizations below. An asterisk \* identifies agencies and organizations that submitted written comments during the review period. All comment letters and responses are found in Appendix A.*

City and County of Honolulu

- \*Board of Water Supply
- \*Department of Parks and Recreation
- \*Department of Planning and Permitting
- Department of Transportation Services
- Oahu Transit Services
- \*Police Department

State of Hawaii

- \*Department of Education
- \*Department of Health
- \*Office of Environmental Quality Control

Others

- Dole Food Company
- Hawaiian Electric Company, Inc.
- North Shore Neighborhood Board No. 27
- North Shore Vision Team
- Waialua Public Library (Placement)

Chapter 200 (Environmental Impact Statement Rules) of Title 11, Administrative Rules of the State Department of Health, establishes criteria for determining whether an action may have significant effects on the environment (§11-200-12). The relationship of the proposed project to these criteria is discussed below.

- 1) Involves an irrevocable commitment to loss or destruction of any natural or cultural resource;**

There are no natural or cultural resources in the project limits to be affected by the proposed action.

- 2) Curtails the range of beneficial uses of the environment;**

The project does not curtail the beneficial uses of the environment.

- 3) Conflicts with the state's long-term environmental policies or goals and guidelines as expressed in chapter 344, Hawaii Revised Statutes, and any revisions thereof and amendments thereto, court decisions or executive orders;**

The project does not conflict with long-term environmental policies, goals, and guidelines of the State of Hawaii.

- 4) Substantially affects the economic or social welfare of the community or State;**

The project should not substantially affect the economic or social welfare of the State.

- 5) Substantially affects public health;**

Public health will not be adversely affected during construction. Short-term environmental impacts in the form of fugitive dust, noise from construction equipment, and minor erosion can be expected. These impacts can and will be mitigated by measures described in this Assessment and measures, such as Best Management Practices for erosion control, to be written into construction plans and specifications.

- 6) Involves substantial secondary impacts, such as population changes or effects on public facilities;**

Substantial secondary impacts are not anticipated.

- 7) Involves a substantial degradation of environmental quality;**

Previous grubbing and grading and the construction of facilities within the right-of-way or adjoining the right-of-way have already altered the environmental quality of the project area.

- 8) Is individually limited but cumulatively has considerable effect upon the environment or involves a commitment for larger actions;**

The proposed project will not result in significant adverse short and long-term environmental impacts or involve a commitment to a larger action.

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

No rare, threatened, or endangered species or habitats are found in the project area.

**10) Detrimentially affects air or water quality or ambient noise levels;**

Ambient air quality will be affected by fugitive dust and combustion emissions during construction but can be controlled by measures stipulated in this Assessment. Construction noise may be pronounced during site preparation work but should diminish once the structural improvements are completed. All construction activities will comply with air quality and noise pollution regulations of the State Department of Health.

Erosion control measures will be prescribed in grading plans and best management practices prepared for the project.

**11) Affects or is likely to suffer damage by being located in an environmentally sensitive area such as a flood plain, tsunami zone, beach, erosion-prone area, geologically hazardous land, estuary, fresh water, or coastal waters.**

The proposed project is not located in an environmentally sensitive area.

**12) Substantially affects scenic vistas and view planes identified in county or state plans or studies, or,**

The proposed improvements will not adversely affect scenic vistas and view planes identified in county or state plans. With the exception of the bus shelters, the improvements are primarily at-grade and should not interfere with views of the surrounding countryside and mountains.

**13) Requires substantial energy consumption.**

The completed project does not require substantial energy consumption.

## REFERENCES

---

- Department of Land Utilization, City and County of Honolulu. 1986. *Land Use Ordinance (As Amended through Ordinance No 96-72)*.
- Department of Parks and Recreation, City and County of Honolulu. 1997. *Index of Oah'u Parks and Facilities*.
- Department of Planning and Permitting, City and County of Honolulu. No Date. *Zoning Map No. 19--Haleiwa*.
- Department of Planning and Permitting, City and County of Honolulu. 1999. *North Shore Sustainable Communities Plan*.
- Federal Emergency Management Agency. 2000. *Flood Insurance Rate Map, City and County of Honolulu*. Community Panel No. 15003C0105E.
- Park, Gerald. 2001. *Field Observation*.
- U.S. Department of Agriculture, Soil Conservation Service. 1972. *Soil Survey of Islands of Kauai, Oahu, Maui, Molokai, and Lanai*. In Cooperation with The University of Hawaii Agricultural Experiment Station. U.S. Government Printing Office, Washington D.C.

**APPENDIX A**  
**COMMENT LETTERS AND RESPONSES**



BOARD OF WATER SUPPLY  
CITY AND COUNTY OF HONOLULU  
430 SOUTH BERETANIA STREET  
HONOLULU, HI 96843



April 2, 2002

JEREMY HARRIS, Mayor  
EDOR FLORES, JR., Chairman  
CHARLES A. STED, Vice-Chairman  
JAN ILLY, AM  
HERBERT S.K. KAOPUA, SR.  
BARBARA YON STANTON  
BRYAN K. MIYATA, Esq.  
ROSS S. SAKUMURA, Esq.  
CLIFFORD S. JAMBLE  
Manager and Chief Engineer

received  
4-5-02

Mr. Gerald Park  
Gerald Park Urban Planner  
1400 Rycroft Street  
Honolulu, Hawaii 96814-3021

Dear Mr. Park:

Subject: Your Letter of February 26, 2002 on the  
Environmental Assessment for the Waiialua Beach Road

Thank you for the opportunity to review the Environmental Assessment for the Waiialua Beach Road Sidewalk Improvements.

The existing water system is presently adequate to accommodate the proposed sidewalk improvement.

The availability of water will be confirmed when the building permit is submitted for our review and approval. When water is made available, the applicant will be required to pay our Water System Facilities Charges for resource development, transmission and daily storage.

The construction drawings should be submitted for our review and approval.

The proposed project is subject to Board of Water Supply Cross-Connection Control and Backflow Prevention requirements prior to the issuance of the Building Permit Applications.

If you have any questions, please contact Joseph Kaakua at 527-6123.

Very truly yours,

for CLIFFORD S. JAMBLE  
Manager and Chief Engineer

BILLIAM J. CATTANO  
Governor



STATE OF HAWAII  
DEPARTMENT OF EDUCATION  
P.O. BOX 2306  
HONOLULU, HAWAII 96810

OFFICE OF THE SUPERINTENDENT

March 27, 2002

received  
3-26-02

Mr. Gerald Park, Urban Planner  
1400 Rycroft Street, Suite 876  
Honolulu, Hawaii 96814-3021

Dear Mr. Park:

Subject: Waiialua Beach Road Sidewalk Improvements  
TMK: 6-07-001 - Environmental Assessment (EA)

The Department of Education has no comment on the subject EA.  
Thank you for the opportunity to respond.

Very truly yours,

Patricia Hamamoto  
Superintendent

PH:hy

cc: A. Suga, OBS

POLICE DEPARTMENT  
**CITY AND COUNTY OF HONOLULU**

801 SOUTH BERETANIA STREET  
HONOLULU, HAWAII 96813 - AREA CODE (808) 829-3111  
<http://www.honoluluapd.org>  
[www.co.honolulu.hi.us](http://www.co.honolulu.hi.us)

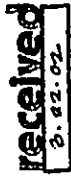


JERRY HARRIS  
MAYOR

LEE D. DONOHUE  
CHIEF  
MICHAEL CARVALLO  
ROBERT AD  
DEPUTY CHIEFS

OUR REFERENCE  
CS-KP

March 19, 2002



Mr. Gerald Park  
Gerald Park Urban Planner  
1400 Rycroft Street, Suite 876  
Honolulu, Hawaii 96814-3021

Dear Mr. Park:

Thank you for the opportunity to review and comment on the Draft Environmental Assessment for the Waialua Beach Road Realignment Sidewalk and Bikepath.

This area is located in District 2 and is serviced by officers from the Waiahua Police Station.

Potential construction-related problems with fugitive dust, noise, and heavy truck traffic have been addressed in the document. Although it has also been addressed, traffic flow in and around the construction sites may be a problem which could generate complaints and have an impact on calls for police service to the area.

If there are any questions, please call Ms. Carol Soderstrom of the Support Services Bureau at 529-3658.

Sincerely,

LEE D. DONOHUE  
Chief of Police

By *Karl Godsey*  
KARL GODSEY  
Acting Assistant Chief of Police  
Support Services Bureau

*Serving and Protecting with Aloha*

DEPARTMENT OF PARKS AND RECREATION  
**CITY AND COUNTY OF HONOLULU**

1000 ULUOHA STREET, SUITE 300, KAPOLEI, HAWAII 96707  
PHONE: (808) 902-9551 • FAX: (808) 912-1131 • INTERNET: [www.co.honolulu.hi.us](http://www.co.honolulu.hi.us)



JERRY HARRIS  
MAYOR

WILLIAM D. BALFOUR, JR.  
DIRECTOR

EDWARD T. "BOBBY" DAZ  
DEPUTY DIRECTOR

March 20, 2002



Mr. Gerald Park  
Gerald Park Urban Planner  
1400 Rycroft Street, Suite 876  
Honolulu, Hawaii 96814-3021

Dear Mr. Park:

Subject: Waialua Beach Road Realignment Sidewalk and Bikepath  
Draft Environmental Assessment  
TMK: 6-07-001  
Waialua, Oahu

Thank you for the opportunity to review and comment on the draft environmental assessment relating to the sidewalk improvements on Waialua Beach Road.

The Department of Parks and Recreation has no comment on the proposed project.

Should you have any questions, please contact Mr. John Reid, Planner, at 692-5454

Sincerely,

*W.D. Balfour, Jr.*  
WILLIAM D. BALFOUR, JR.  
Director

WDB:cu (9115)

cc: Mr. Gregory Sue, Department of Design and Construction  
Mr. Don Griffin, Department of Design and Construction

BERNARD J. CAYREANO  
GOVERNOR



STATE OF HAWAII  
OFFICE OF ENVIRONMENT QUALITY CONTROL

225 SOUTH KING STREET  
SUITE 702  
HONOLULU, HAWAII 96813  
TELEPHONE (808) 586-1100  
FACSIMILE (808) 586-1100

April 8, 2002

Ms. Rae M. Loui, Director  
Department of Design and Construction  
City and County of Honolulu  
650 South King Street, 11<sup>th</sup> Floor  
Honolulu, Hawaii 96813

Dear Ms. Loui:

Subject: Draft Environmental Assessment for the Waialua Beach Road Realignment, Sidewalk and Bikepath, Oahu

Thank you for the opportunity to review the subject document. We have the following comments.

1. Please add the following language to the mitigation section of the environmental assessment, "Should a previously unidentified historic or archaeological resources (including burials) be discovered during construction, all work in the affected area will stop and the SHPD will be informed and consulted on the appropriate treatment measures."
2. The City should schedule noisy construction activity near Waialua Elementary School when school is not in session.
3. This project should comply with sections 103D-407 and 408 of Hawaii Revised Statutes concerning the use of indigenous plants and recycled glass.

Should you have any questions, please call Iyan Thurman at 586-4185. Mahalo.

Sincerely,

Genevieve Salmonson  
Director

c Gerald Park

Mr. Gerald Park, Urban Planner  
April 3, 2002  
Page 2

- b. Providing an adequate water source at the site prior to start up of construction activities;
- c. Landscaping and rapid covering of bare areas, including slopes, starting from the initial grading phase;
- d. Controlling of dust from shoulders and access roads;
- e. Providing adequate dust control measures during weekends, after hours, and prior to daily start-up of construction activities; and
- f. Controlling of dust from debris being hauled away from project site.

If you have any questions regarding these issues on fugitive dust, please contact the Clean Air Branch at 586-4200.

Sincerely,

GARY GILL

Deputy Director  
Environmental Health Administration

c: CAB

received  
4-09-02

BENJAMIN A. CAWTEANG  
GOVERNOR



STATE OF HAWAII  
OFFICE OF ENVIRONMENTAL QUALITY CONTROL

417E ZOE  
235 SOUTH BERETANIA STREET  
HONOLULU, HAWAII 96813  
TELEPHONE (808) 586-4185  
FACSIMILE (808) 586-4185

April 8, 2002

Ms. Rae M. Loui, Director  
Department of Design and Construction  
City and County of Honolulu  
650 South King Street, 11<sup>th</sup> Floor  
Honolulu, Hawaii 96813

Dear Ms. Loui:

Subject: Draft Environmental Assessment for the Waialua Beach Road Realignment, Sidewalk and Bikepath, Oahu

Thank you for the opportunity to review the subject document. We have the following comments.

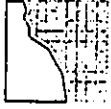
1. Please add the following language to the mitigation section of the environmental assessment, "Should a previously unidentified historic or archeological resources (including burials) be discovered during construction, all work in the affected area will stop and the SHPD will be informed and consulted on the appropriate treatment measures."
2. The City should schedule noisy construction activity near Waialua Elementary School when school is not in session.
3. This project should comply with sections 103D-407 and 408 of Hawaii Revised Statutes concerning the use of indigenous plants and recycled glass.

Should you have any questions, please call Jeyan Thiruganaram at 586-4185. Mahalo.

Sincerely,

*Gerrine Salomonson*  
Gerrine Salomonson  
Director

c: Gerald Park



GERALD PARK  
Urban Planner

Planning  
Land Use  
Research  
Environmental  
Studies

1400 Konohe Street  
Suite 876  
Honolulu, Hawaii  
76814-3021

Telephone:  
(808) 942-7184  
Facsimile:  
(808) 942-7185  
e-mail:  
geraldpark@aol.com

April 24, 2002

Gerrine Salomonson, Director  
Office of Environmental Quality Control  
235 South Beretania Street, Suite 702  
Honolulu, Hawaii 96813  
Honolulu, Hawaii 96822

Dear Ms. Salomonson:

Subject: Waialua Beach Road Realignment Sidewalk and Bikepath  
Waialua, Waialua District, Oahu

Thank you for reviewing and offering comments on the Draft Environmental Assessment for the subject project. We offer the following responses to your comments in the order presented.

- 1) The language you suggested has been added to the mitigation section of the environmental assessment.
- 2) The contractor will try to schedule work fronting Waialua Elementary School when school is not in session.
- 3) This comment has been forwarded to the civil engineer and landscape architect for review and consideration.

Your comments and our responses will be included in the Final Environmental Assessment. We appreciate the participation of the Office of Environmental Quality Control in the environmental assessment process.

Sincerely,

GERALD PARK URBAN PLANNER

*Gerald Park*  
Gerald Park

c: G. Sue, DDC

DEPARTMENT OF PLANNING AND PERMITTING  
**CITY AND COUNTY OF HONOLULU**

650 SOUTH KING STREET • HONOLULU, HAWAII 96813  
TELEPHONE: (808) 832-4114 • FAX: (808) 827-8743 • INTERNET: www.honolulu.gov



JUDITH WARD  
SVP

RANDALL K. FUJIKI, AIA  
DIRECTOR  
LORRETTA K.C. CHEE  
SVP/DIRECTOR

2002/ELOG-618 (DT)

April 8, 2002

Mr. Gerald Park  
1400 Rycroft Street, Suite 876  
Honolulu, Hawaii 96814-3021

Dear Mr. Park:

Comments on Draft Environmental Assessment (EA)  
Waialua Beach Road Realignment Sidewalk and Bikeway  
Tax Map Key: 6-7-1

We have reviewed the Draft EA for proposed improvements along a section of Waialua Beach Road, between Kuoha Street (on the west) and Kiki Stream (on the east). The improvements include new concrete curb ramps, concrete walkways at intersecting roads, a multi-use pathway, cast in place concrete curbs and gutters, new bus shelters, concrete stepping pads for bus stops, and traffic islands. The following are our comments based on a review by two branches of the department:

Traffic Review Branch

Based on our review, we have no objections to the proposed project. However, we have the following comments and recommendations that should be incorporated into the planned improvements as the project progresses:

1. Landscaping and structures in the vicinity of intersecting streets and driveways should be designed and located such that adequate vehicular sight distance can be provided and maintained.
2. Consideration should be given to installing a separate left turn lane on Waialua Beach Road in the Mokuleia bound direction into Goodale Avenue since motorists are currently

Mr. Gerald Park  
Page 2  
April 8, 2002

driving onto the shoulder to pass vehicles that are stopped and trying to execute a left turn.

3. Construction should be scheduled such that construction impacts to school activities are minimized.

Traffic control plans during construction should be submitted to the Traffic Review Branch for review. The typical permitted hours of work on City streets is between 8:30 a.m. to 3:30 pm.

Please call Mr. Mel Hirayama at 523-4119 with any questions regarding these comments.

Zoning Regulations and Permits Branch

1. The proposed road improvements are within the Special Management Area (SMA). Improvements such as the new concrete curb ramps, concrete walkways, concrete curbs and gutters, and traffic islands are exempt from obtaining an SMA permit under Chapter 25, Sections 1.3 (2) (B) and 1.3 (2) (M).

2. The EA should mention whether the proposed bus shelters, concrete stepping pads for bus stops, ADA accessible concrete curb ramps/sidewalks are within the existing road right-of-way. If these proposed improvements are not within the right-of-way, an SMA permit will be required. Minor SMA permits may be approved for projects under \$125,000 which do not have any adverse environmental or ecological impact.

Please call Dana Teramoto of our staff at 523-4648 should you have any questions regarding the above comments or if you have additional questions.

Sincerely yours,

RANDALL K. FUJIKI, AIA  
Director of Planning and Permitting

RKF:CS  
Posee document no. 144650



**GERALD PARK**  
Urban Planner

Planning  
Land Use  
Research  
Environmental  
Studies

1400 Kymok Street  
Suite 676  
Honolulu, Hawaii  
96814-3021

Telephone:  
(808) 942-7488  
Facsimile:  
(808) 942-7485  
e-mail:  
geraldpark@aol.com

April 24, 2002

Randall K. Fujiki, AIA, Director  
Department of Planning and Permitting  
City and County of Honolulu  
650 South King Street  
Honolulu, Hawaii 96813

Dear Mr. Fujiki:

Subject: Waialua Beach Road Realignment Sidewalk and Bikeway  
Waialua, Waialua District, Oahu  
2002/ELOG-618 (DT)

Thank you for reviewing and offering comments on the Draft Environmental Assessment prepared for the subject project. We offer the responses below to your comments.

**Traffic Review Branch**

1. The placement of landscaping and structures in the vicinity of intersecting streets and driveways will be coordinated with the Department of Transportation Services.
2. A separate left turn lane on Waialua Beach Road into Goodale Avenue was considered. While a left turn lane is desirable, an evaluation of the area determined that implementing a left turn lane was infeasible because of a lack of clearance with sections of the northern rights-of-way line and roadway geometry constraints.
3. The contractor will try to schedule construction fronting Waialua Elementary School when school is not in session.

**Zoning Regulations and Permits Branch**

1. Thank you for the information about some of the proposed improvements being exempt from obtaining a Special Management Area Permit.
2. The Final Environmental Assessment will mention that all improvements will be confined to the Waialua Beach Road right-of-way.

We thank the Department of Planning and Permitting for participating in the environmental review process. Your comments and our responses will be included in the Final Environmental Assessment.

Sincerely,

GERALD PARK URBAN PLANNER

Gerald Park

c: G. Sue, DDC

Hawaiian Electric Company, Inc. • PO Box 2750 • Honolulu, HI 96840-0001

GEN-8 (EIS)

RECEIVED

APR 19 12 21 PM '02



February 16, 2002

Post-Net Fax Note	7871	Date	2/17/02
To	Gerald Park	From	Gregory Sue
On/Off		Co.	DDC
Phone #		Phone #	527-6304
Fax #	942-7485	Fax #	

Department of Design and Construction  
City and County of Honolulu  
650 South King Street, 11<sup>th</sup> Floor  
Honolulu, Hawaii 96813

Attention: Mr. Gregory Sue

**Subject: Waialua Beach Road Realignment**

Thank you for the opportunity to comment on your January 2002 Draft EA for the Waialua Beach Road Realignment. We have reviewed the subject document and would like to note that HECO may have several stub poles on the mauka side of Waialua Beach Road that support our overhead lines on the makai side of the road. Pole and anchor relocations may be necessary.

Our point of contact for this project, and the originator of these comments, is Enrique Che (543-7281). I suggest your staff and consultants deal directly with Enrique to coordinate HECO's continuing input on this project.

Sincerely,

Kirk Tomita  
Senior Environmental Scientist  
Hawaiian Electric Company



WINNER OF THE EDISON AWARD  
FOR BEST QUALITY DESIGN AND CONSTRUCTION