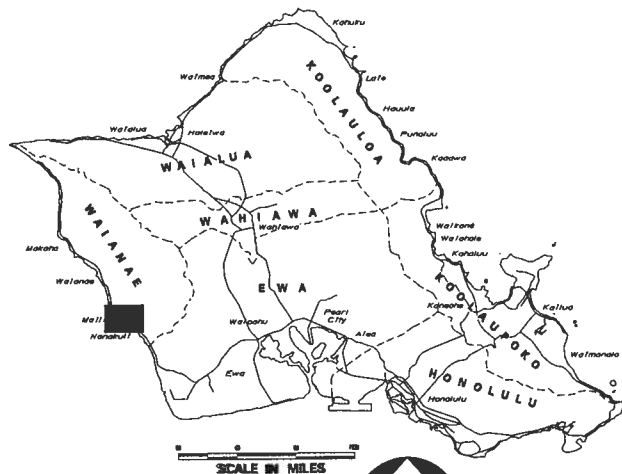
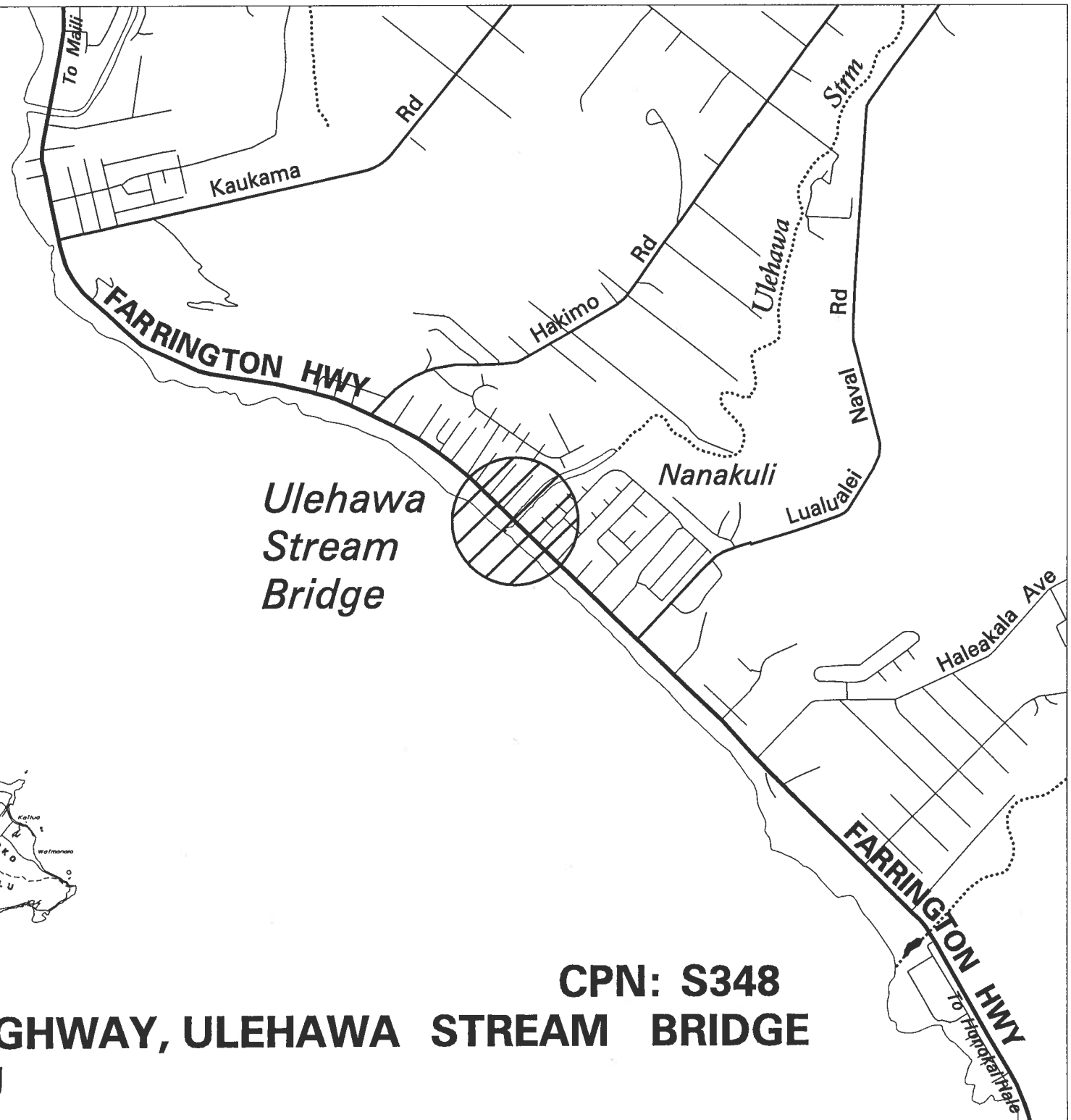


0S2



TRN: 501



FARRINGTON HIGHWAY, ULEHAWA STREAM BRIDGE
ISLAND of OAHU

CPN: S348

TRN 501

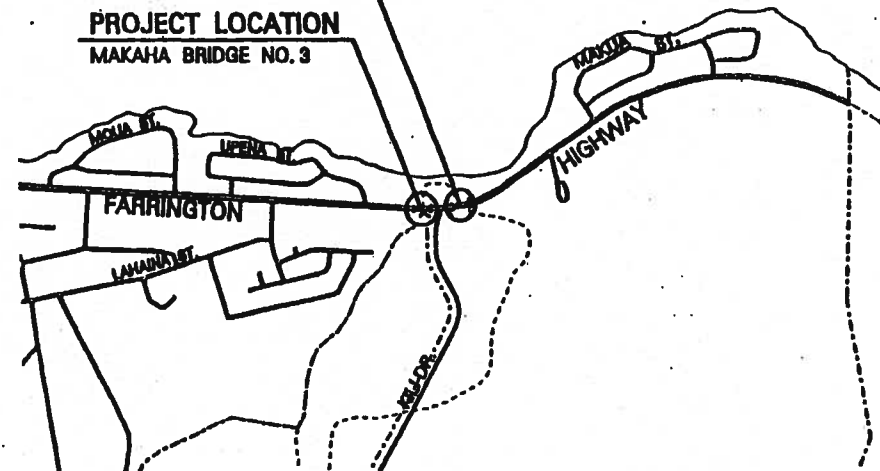
OS3



TRN 501

PROJECT LOCATION
MAKAHA BRIDGE NO. 3A

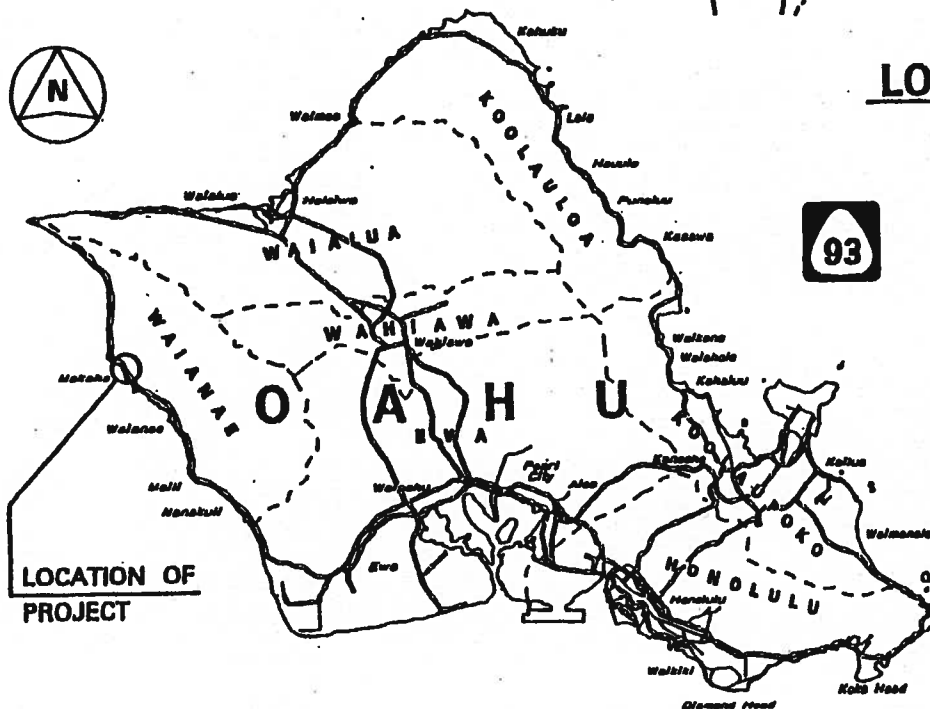
PROJECT LOCATION
MAKAHA BRIDGE NO.3



LOCATION PLAN



LOCATION OF PROJECT



**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION**

FARRINGTON HIGHWAY

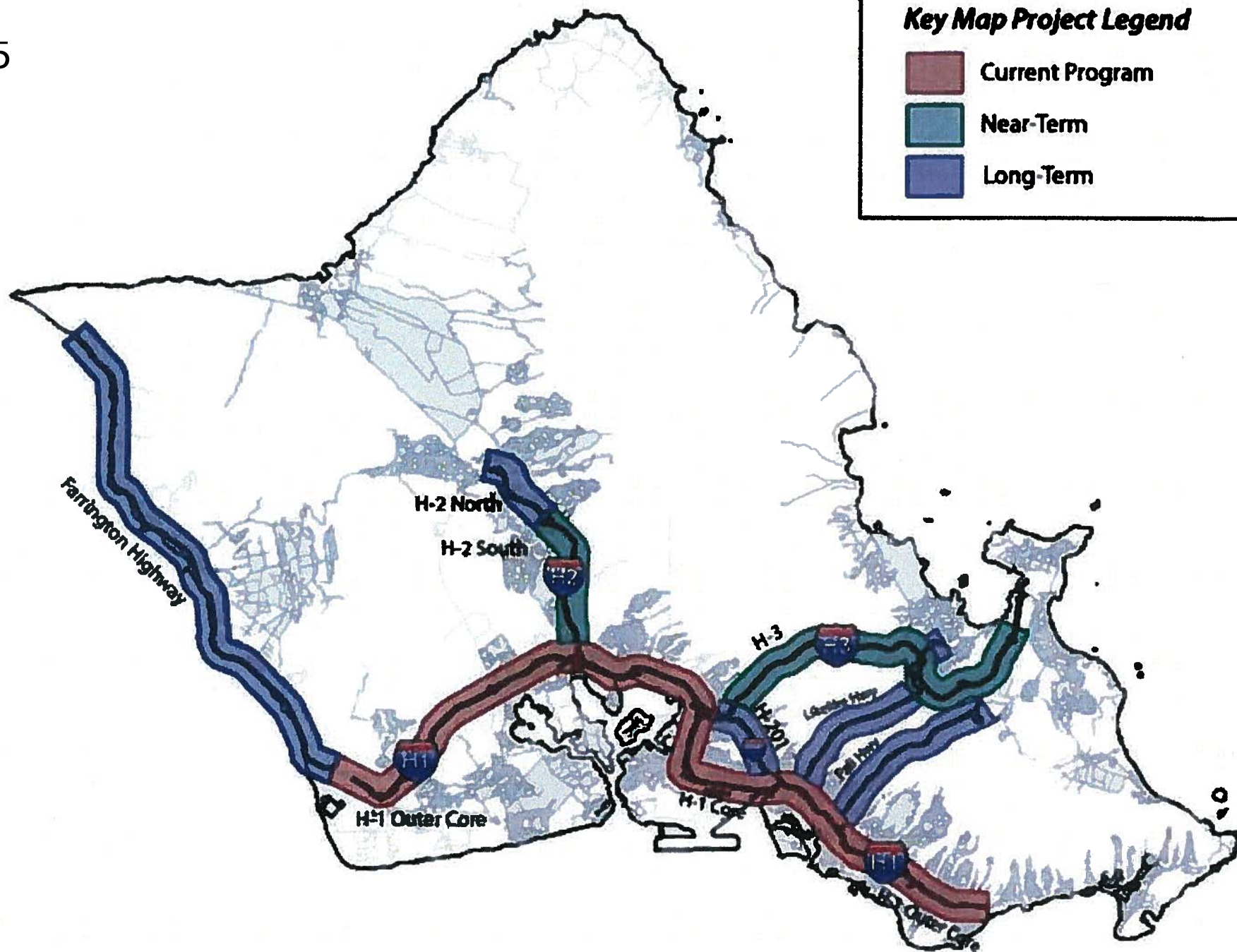
REPLACEMENT OF MAKAHA BRIDGE NO.3 AND
MAKAHA BRIDGE NO.3A

DISTRICT OF WAIANAE
ISLAND OF OAHU.

OS5

Key Map Project Legend

-  Current Program
-  Near-Term
-  Long-Term



0 2 4 8 12 16 Miles

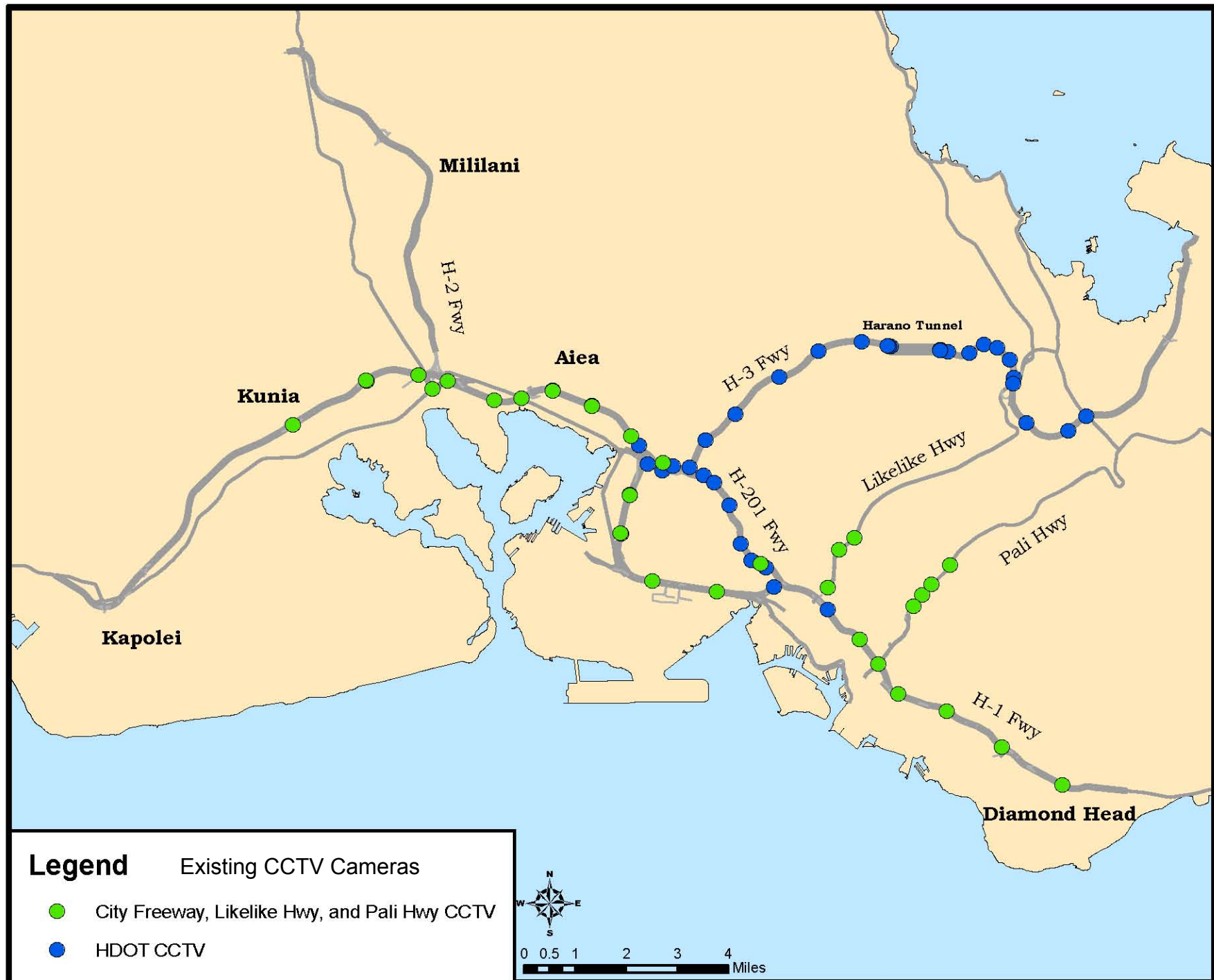




Variable Message Signs (VMS)



Closed Circuit Television Cameras (CCTV)



Closed Circuit Television Cameras (CCTV)



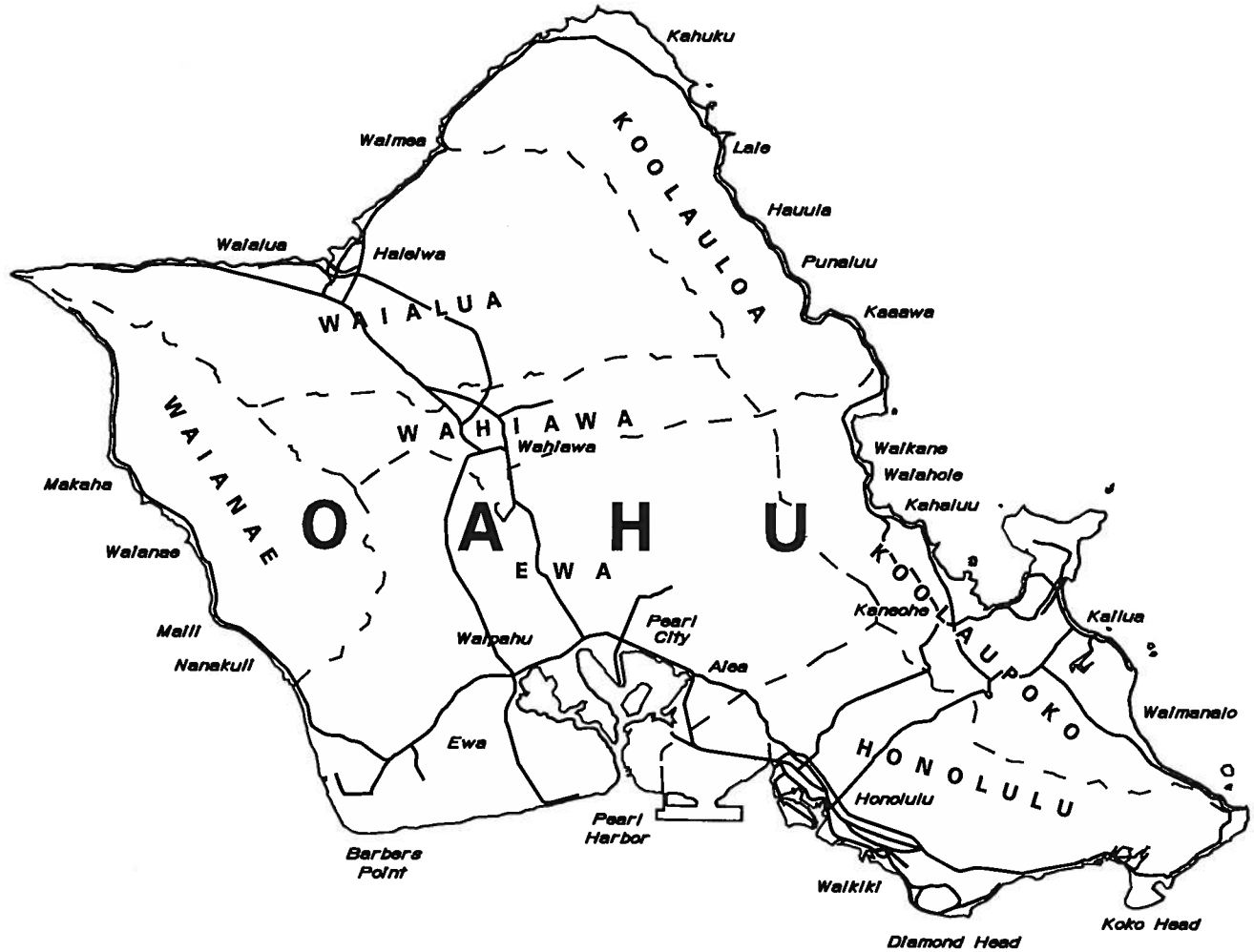
OS9



Freeway Service Patrol Coverage Map

OS10

1. Interstate H-1 – Interchanges between Palailai Interchange to Ainakoa Avenue
2. Interstate H-2 – Interchanges between H-1 at Waiawa Interchange to Wiliikina Drive
3. Interstate H-201 – Ramp from H-1 to Kahauiki Interchange
4. Nimitz Highway – H-1 Pearl Harbor Interchange to Pearl Harbor and Hickam AFB main gates
5. Wiliikina Drive – Kamehameha Highway to Schofield Barracks McNair Gate
6. Kamehameha Highway – Wheeler AAF to Wiliikina Drive
7. Kamehameha Highway – H-1 at Pearl Harbor Interchange to Pearl Harbor Halawa Gate
8. Puuloa Road and Jarrett White Road – H-201 at Puuloa Interchange to Tripler Hospital
9. Middle Street – H-1 at Kahauiki Interchange to Fort Shafter
10. Kunia Road – H-1 to Wiliikina Drive
11. Nimitz Highway and Ala Moana Boulevard – Middle Street to Kalakaua Avenue
12. Kalanianaʻole Highway – H-1 at West Hind Drive to Keahole Street
13. Pali Highway and Kalanianaʻole Highway – Vineyard Boulevard to Kailua Road
14. Farrington Highway – H-1 at Palailai Interchange to Kaena Point State Park
15. Kahekili Highway and Kamehameha Highway – Likelike Highway to Weed Circle



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARDRAIL AND SHOULDER IMPROVEMENTS

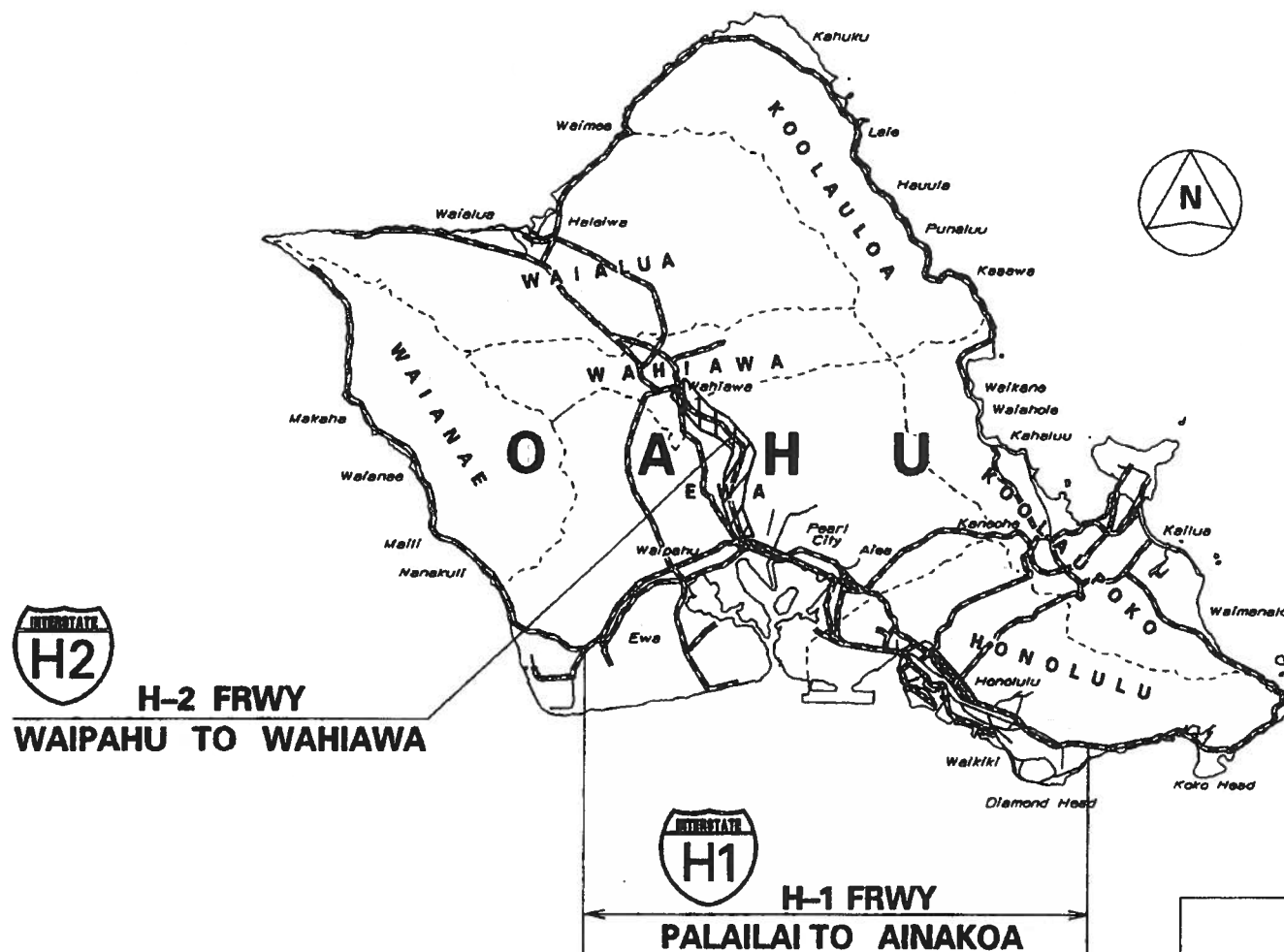
Various Locations, Oahu

Island of Oahu

OS12

TRN 501

S284



H-2 FRWY
WAIPAHU TO WAHIAWA



H-1 FRWY
PALILALAI TO AINAKOA

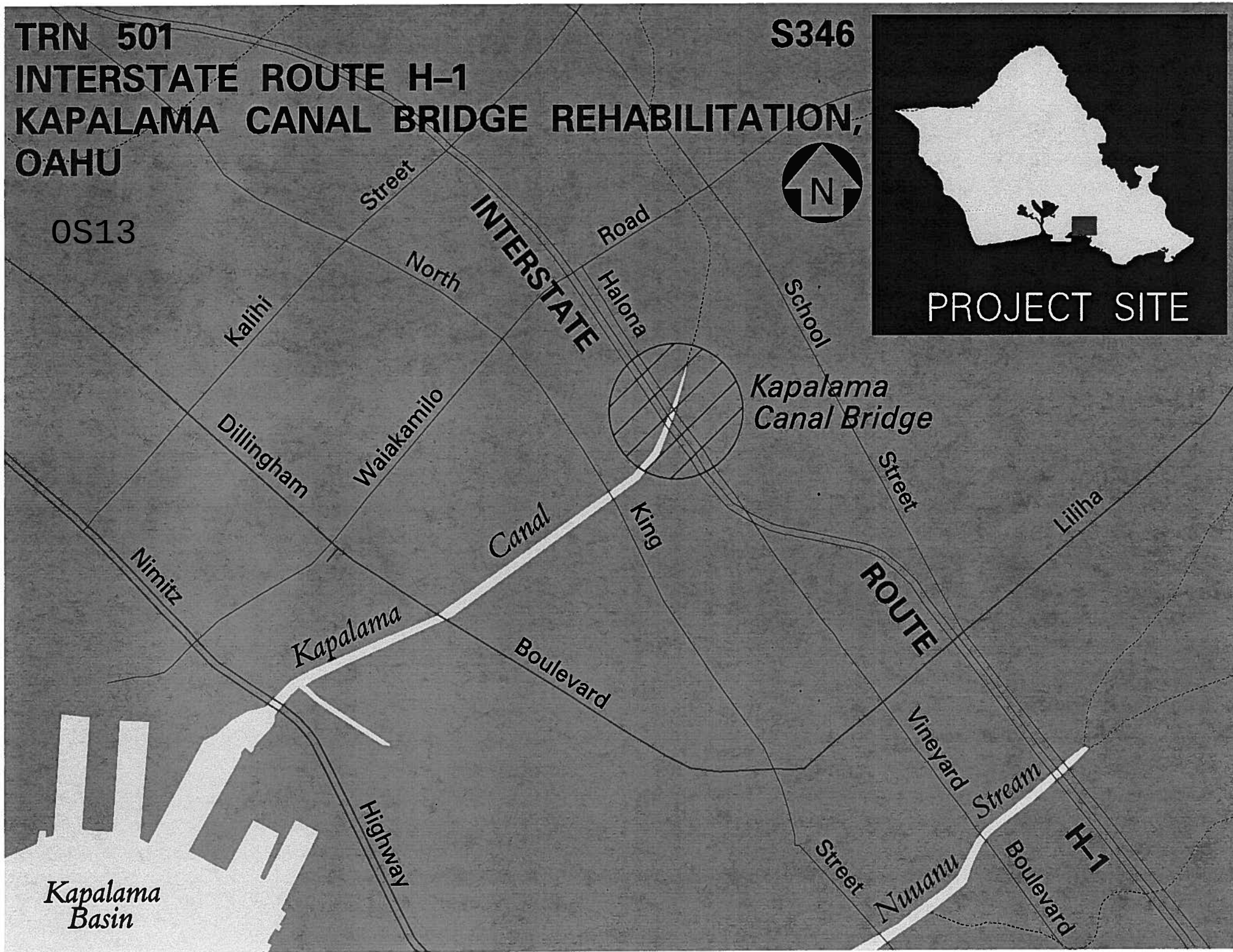
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
INTERSTATE ROUTE H-1 & H-2
DESTINATION SIGN
UPGRADE/REPLACEMENT

ISLAND OF OAHU

TRN 501
INTERSTATE ROUTE H-1
KAPALAMA CANAL BRIDGE REHABILITATION,
OAHU

OS13

S346



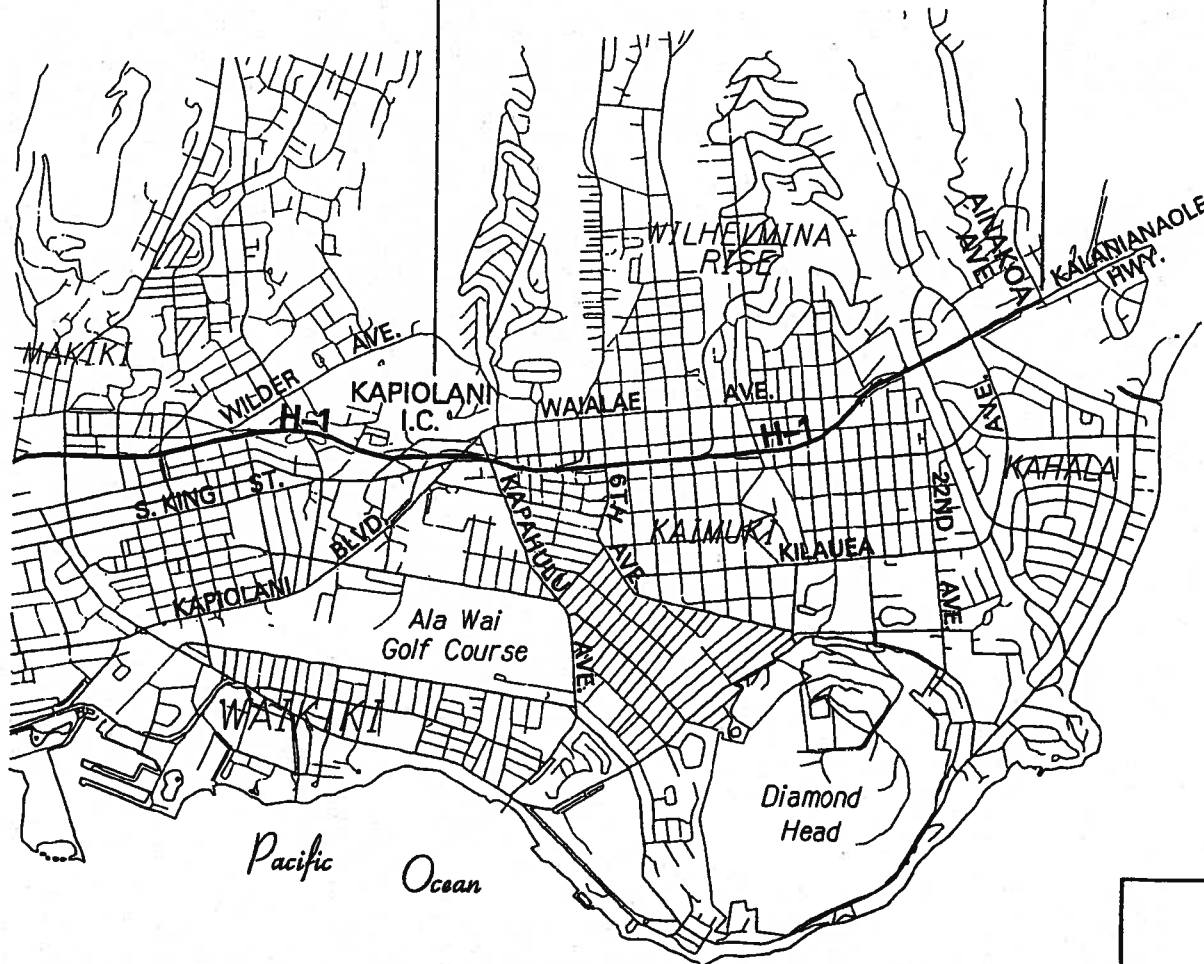
TRN 501

S266

OS14

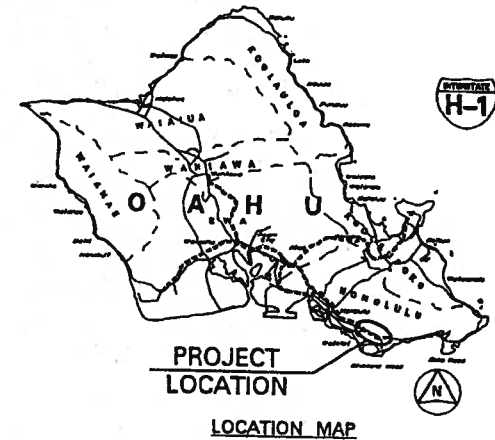


PROJECT LIMITS



LAYOUT PLAN

Not to Scale



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

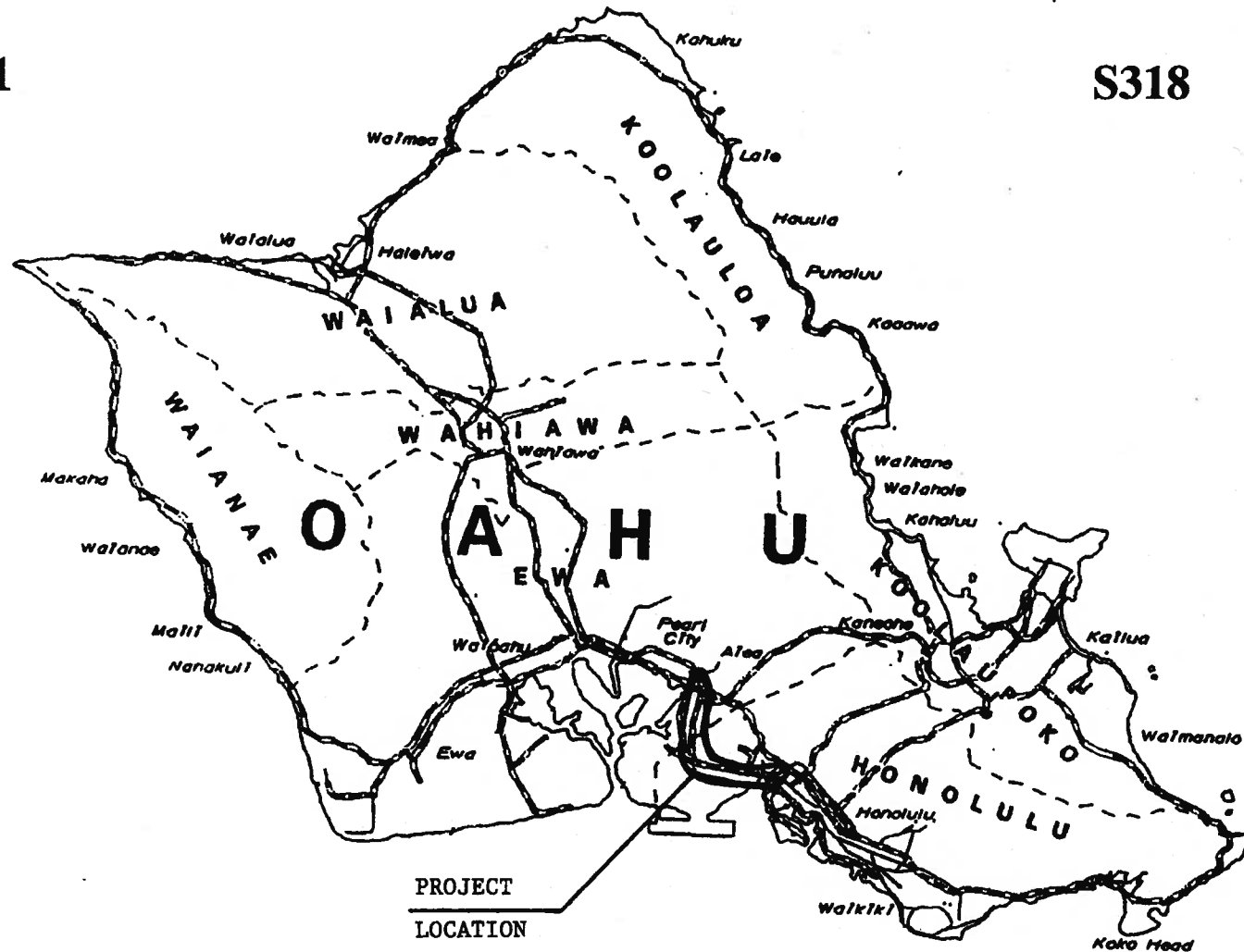
INTERSTATE ROUTE H-1
GUARDRAIL & SHOULDER IMPROVEMENTS
KAPIOLANI INTERCHANGE TO AINAKOA AVE.

ISLAND OF OAHU

OS16

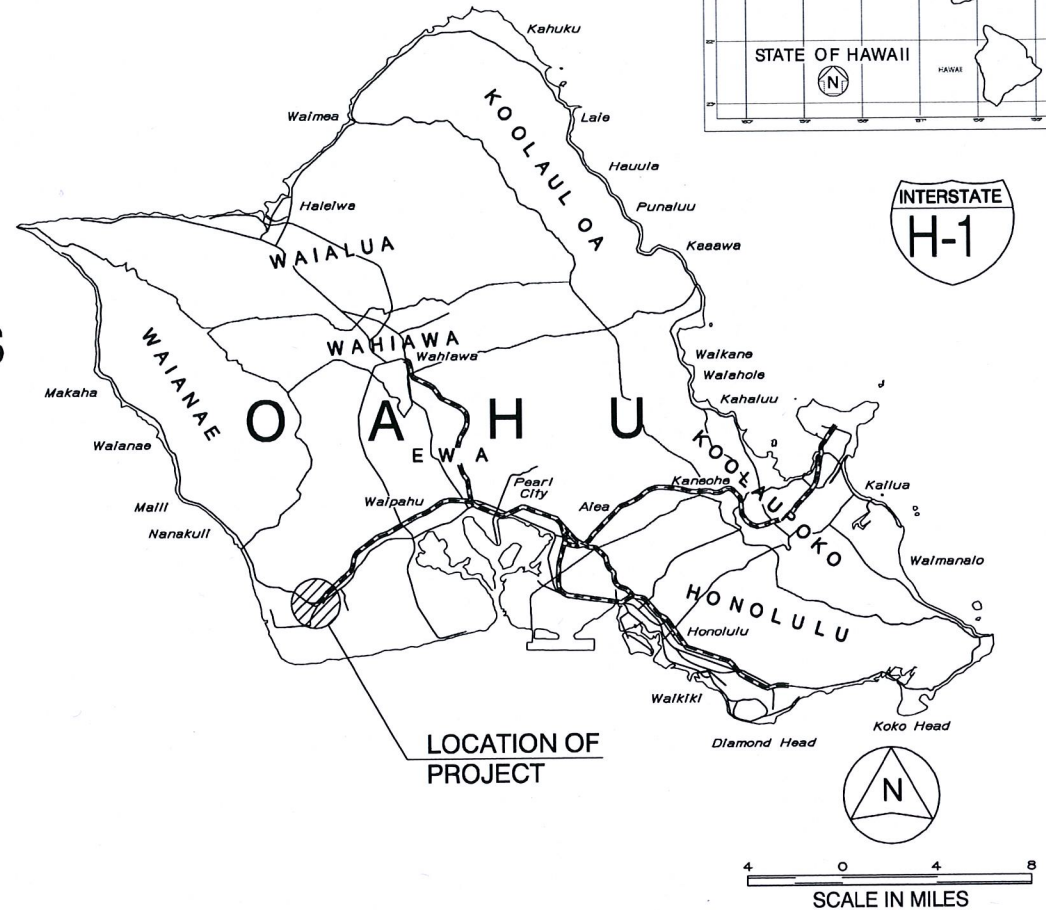
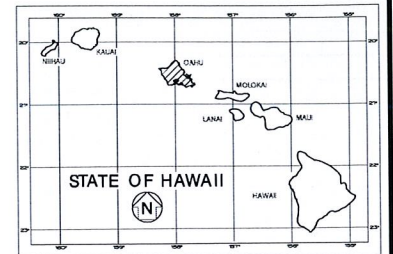
TRN 501

S318



**INTERSTATE ROUTE H-1
HIGHWAY LIGHTING IMPROVEMENTS
VICINITY OF KAIMAKANI OVERPASS TO VICINITY OF GULICK AVENUE**

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1	2013	1	381



----- FEDERAL AID INTERSTATE PROJECTS PREVIOUSLY CONSTRUCTED OR UNDER CONSTRUCTION

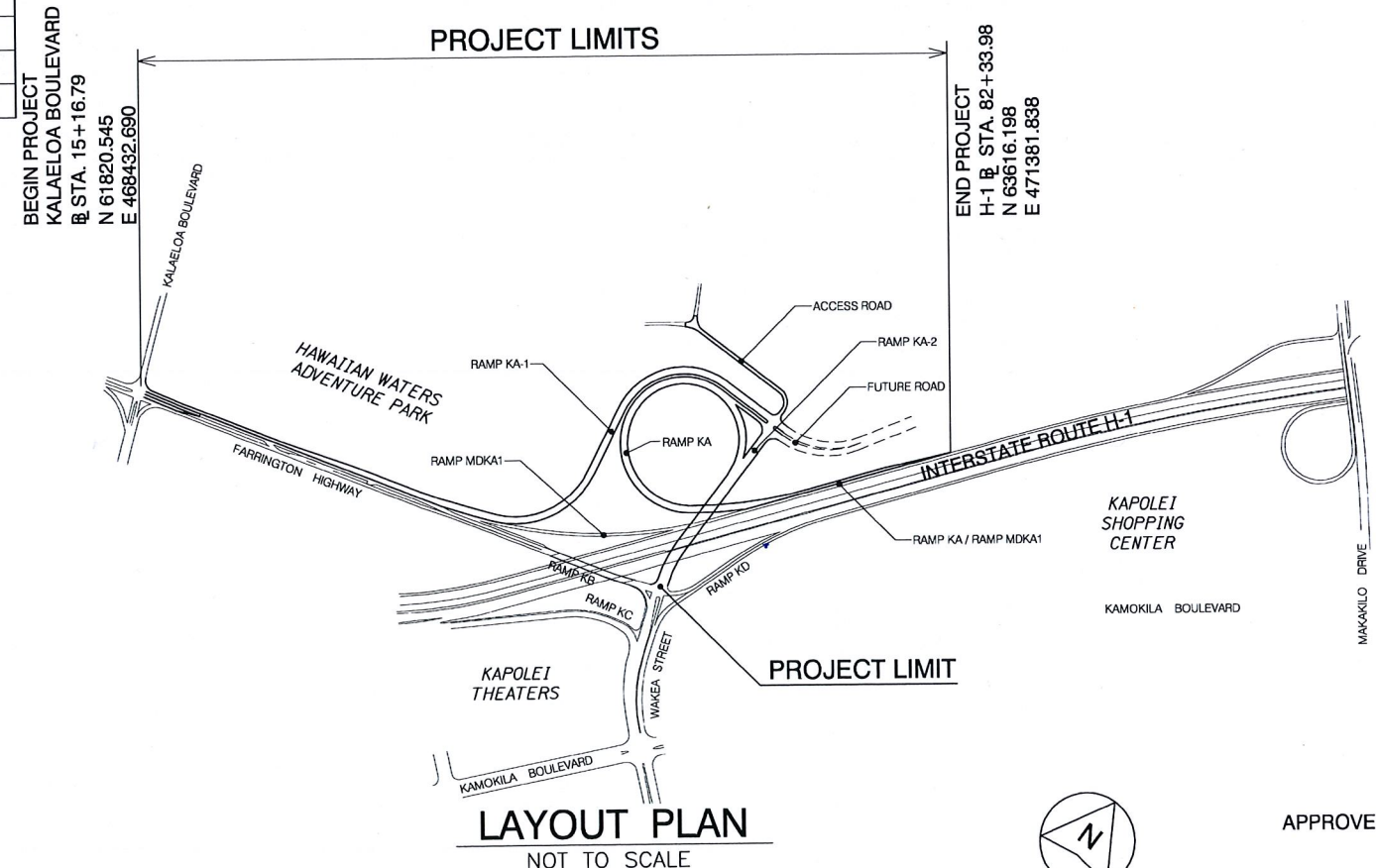
H-1 MILE POST 0.341 TO MILE POST 0.729
FARRINGTON HIGHWAY MILE POST 0.000 TO MILE POST 0.380

DESIGN DESIGNATION

WEST BOUND H-1		EAST BOUND H-1	
CURRENT ADT (2010)	24,000	CURRENT ADT (2010)	21,500
DESIGN ADT (2030)	53,500	DESIGN ADT (2030)	50,500
DHV	4,600	DHV	3,800
D	100%/0%	D	0%/100%
T	3.0%	T	4.0%
T ₂₄	2.5%	T ₂₄	2.5%
V	60 M.P.H.	V	60 M.P.H.

0S17 STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HONOLULU, HAWAII

PLANS FOR
INTERSTATE ROUTE H-1
ADDITION AND MODIFICATION OF FREEWAY ACCESS
(KAPOLEI INTERCHANGE COMPLEX)
PHASE 2
FEDERAL-AID PROJECT NO. IM-H1-1
DISTRICT OF EWA
ISLAND OF OAHU



GROSS LENGTH OF PROJECT MILE
NET LENGTH OF PROJECT MILE

APPROVED:
MANAGER AND CHIEF ENGINEER, BWS DATE

DEPARTMENT OF TRANSPORTATION STATE OF HAWAII	
APPROVED:	
DIR. OF TRANSPORTATION	DATE

INDEX TO DRAWINGS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-4	DETAILED INDEX
5-6	STANDARD PLANS SUMMARY
7-12	CONSTRUCTION NOTES
13	GENERAL PLAN
14-22	TYPICAL ROAD SECTIONS
23-24	MISC. ROADWAY DETAILS
25-27	INTERSECTION DETAILS
28-30	INTERSECTION PAV'T. GRADES
31-34	PAVEMENT GRADES
35-36	GRADING - ABUTMENT
37-45	GUARDRAIL DETAILS
46-48	EROSION CONTROL PLANS
49	EROSION CONTROL DETAILS
50-52	SITE PREPARATION PLAN
53-54	SUPERELEVATION DIAGRAM
55-64	PLAN AND PROFILE SHEETS
65-87	ROADWAY BORING LOGS
88-108	DRAINAGE PLANS DETAILS & PROFILES
109-110	WATER DETAILS & PROFILES
111-117	PAVEMENT MARKING, SIGNAGE AND STRIPING PLAN
118-119	RELOCATION PLAN
120-136	TRAFFIC CONTROL
137-160	CROSS SECTIONS
161-234	STRUCTURAL PLANS
235-376	ELECTRICAL PLANS
377-381	LANDSCAPING PLANS

WILSON OKAMOTO & ASSOCIATES
DESIGNED BY

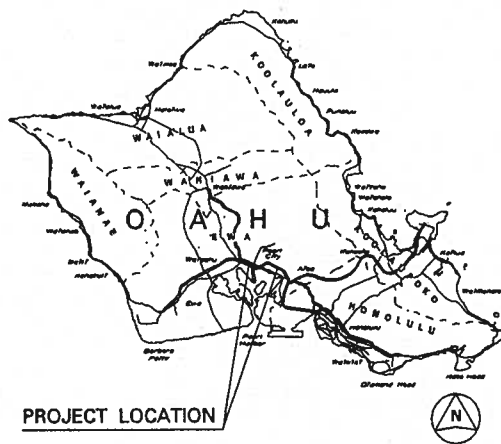
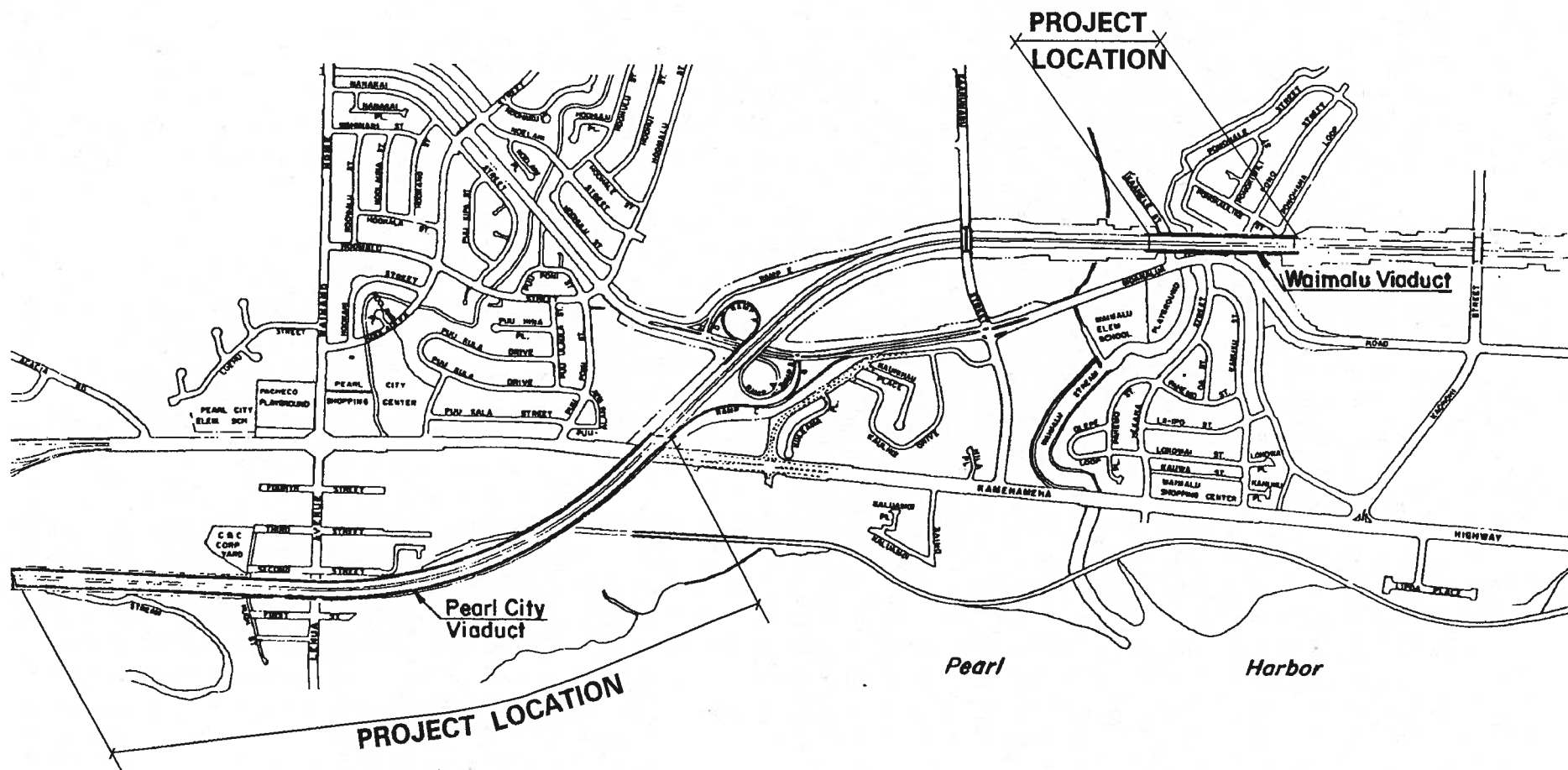
HWY-DD
P. S. & E. BY

692-7570
PHONE

10/26/12
DATE

TRN 501

S280



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

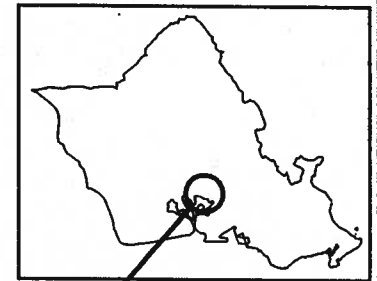
INTERSTATE ROUTE H-1
PEARL CITY VIADUCT AND WAIMALU
VIADUCT IMPROVEMENTS

ISLAND OF OAHU

OS19
TRN 501

CPN S323

LOCATION MAP
Island of Oahu



Project Location

PAIWA INTERCHANGE

WAIAWA INTERCHANGE

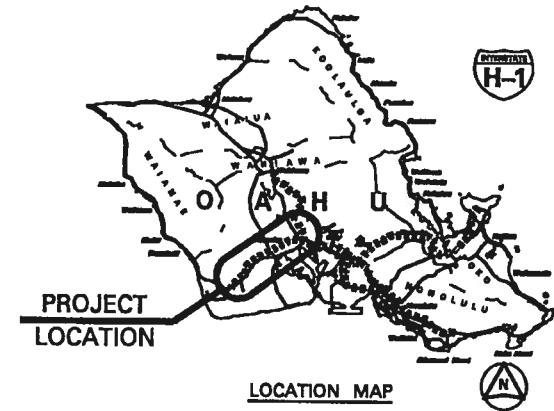
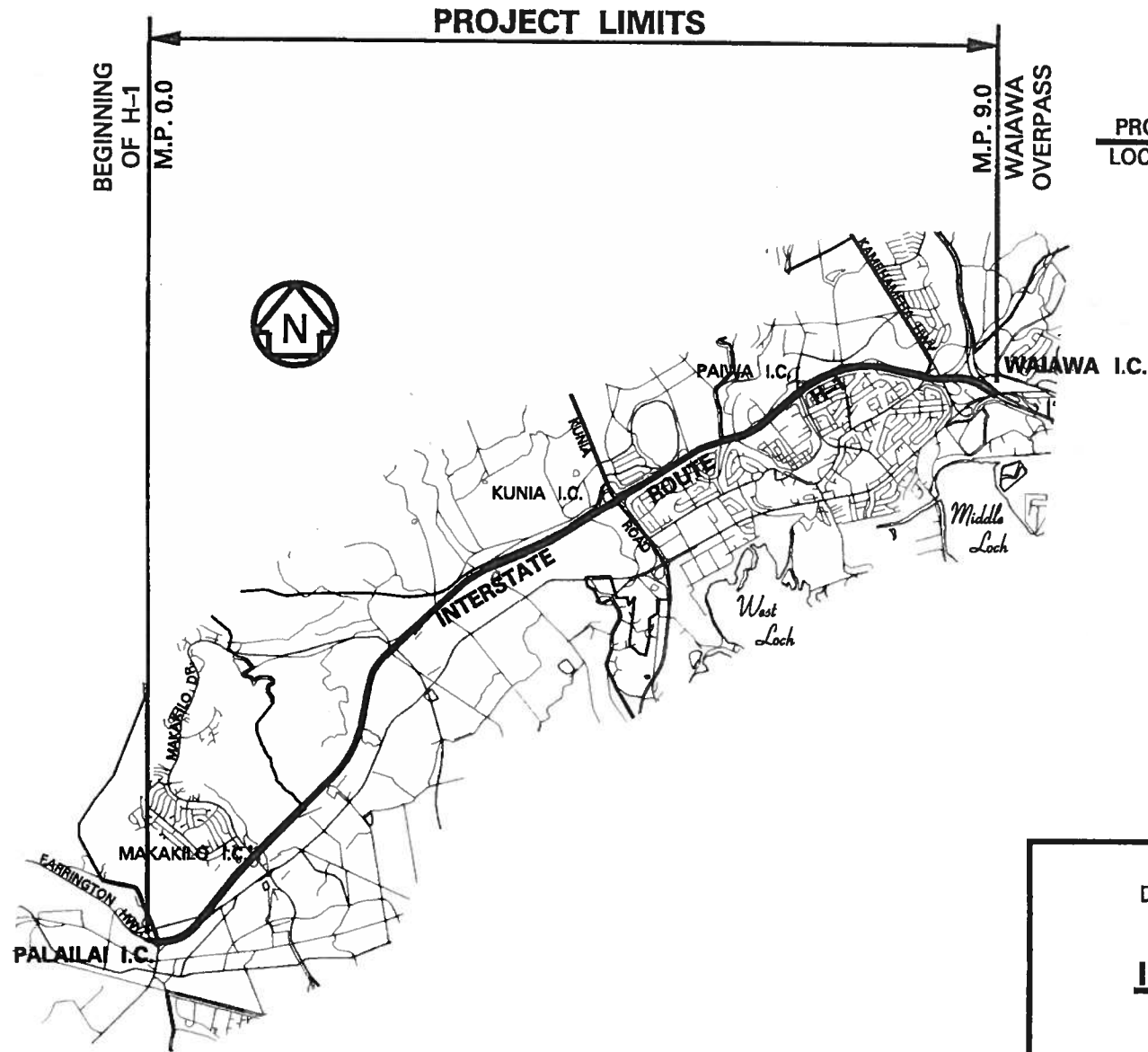
Lower
Community
Center

PROJECT LIMITS

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**INTERSTATE ROUTE H-1,
WAIAWA INTERCHANGE,
ADDITIONAL WESTBOUND LANE,
PEARL CITY VIADUCT TO
PAIWA INTERCHANGE, OAHU**

OS20



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERSTATE ROUTE H-1

SAFETY IMPROVEMENTS

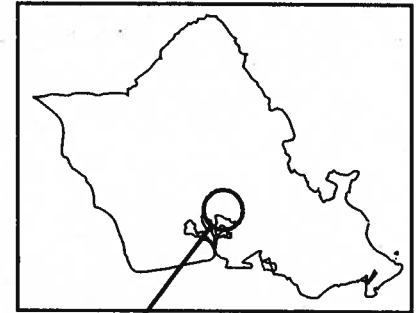
Palailai I.C. to Waiawa Overpass

ISLAND OF OAHU

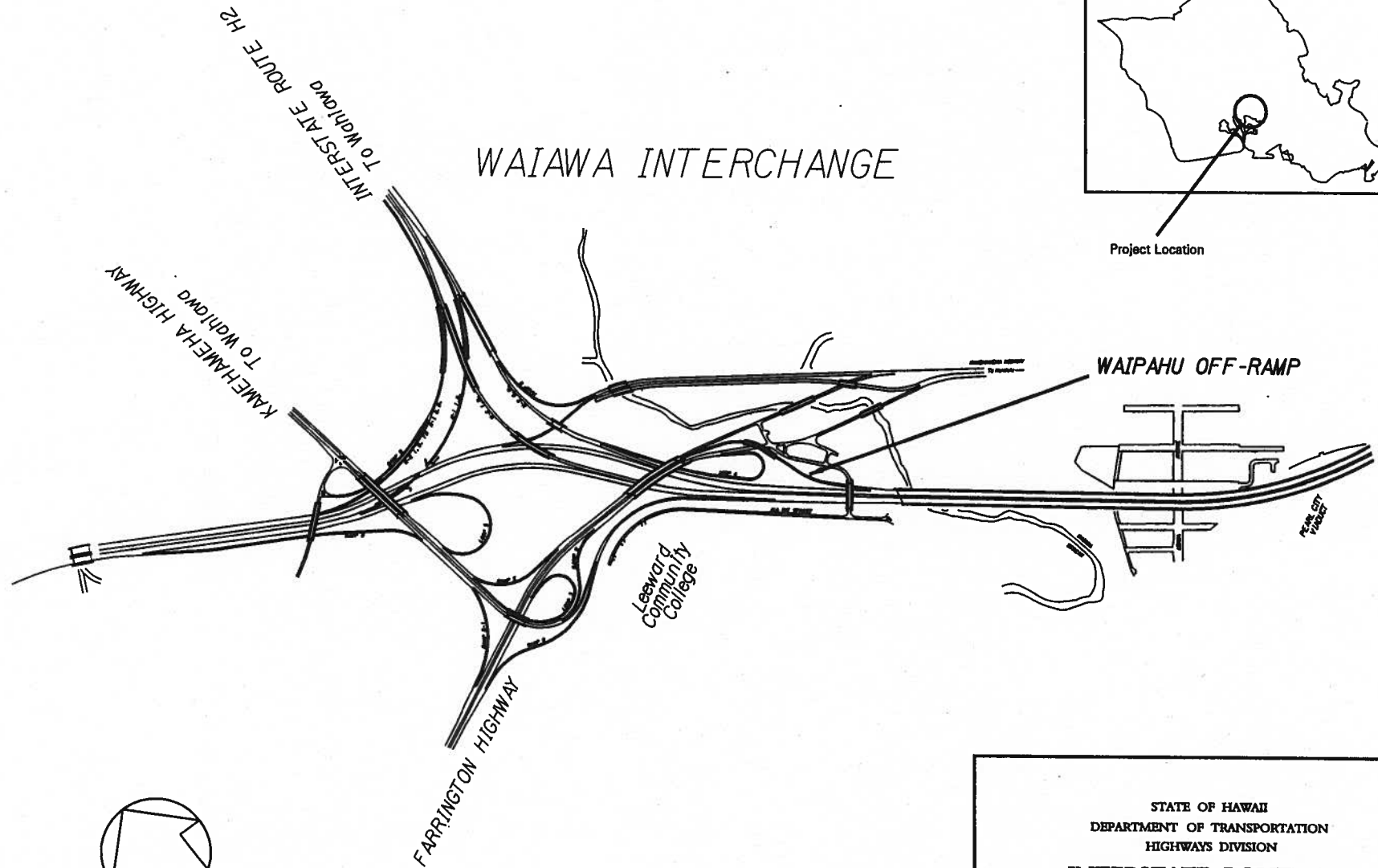
OS21
TRN 501

CPN S322

LOCATION MAP
Island of Oahu



Project Location



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
INTERSTATE ROUTE H-1
WAIAWA INTERCHANGE
WESTBOUND
WAIPAHU OFF-RAMP IMPROVEMENTS
OAHU

0S22

To Kaneohe

LIKELIKE HWY

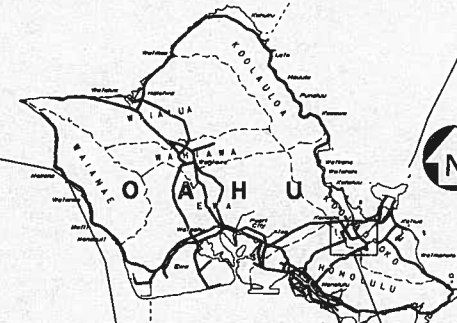
To Halawa

INTERSTATE ROUTE H-3

Park Access Rd

Ho'omaluhia Botanical Garden

PROJECT LOCATION
KUOU STREAM BRIDGE



AREA of MAP

INTERSTATE ROUTE H-3, ISLAND OF OAHU
KUOU STREAM BRIDGE

LIKELIKE HWY

To Honolulu

INTERSTATE ROUTE H-3

To Kailua

Park

Access

Rd

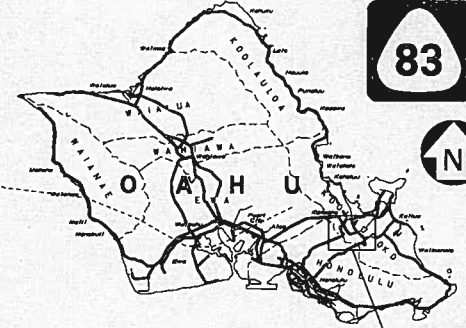
OS22

To Kaneohe

Halekou Rd

KAMEHAMEHA HWY

KAMEHAMEHA HIGHWAY, ISLAND of OAHU HALEKOU INTERCHANGE



AREA of MAP

Hawaiian Memorial Park/
Veterans Cemetary

**PROJECT LOCATION
STRUCTURE NO. 1**

Ho'omaluhia
Botanical
Garden

**PROJECT LOCATION
STRUCTURE NO. 3**

INTERSTATE ROUTE H-3
To Kailua

**PROJECT LOCATION
STRUCTURE NO. 2**



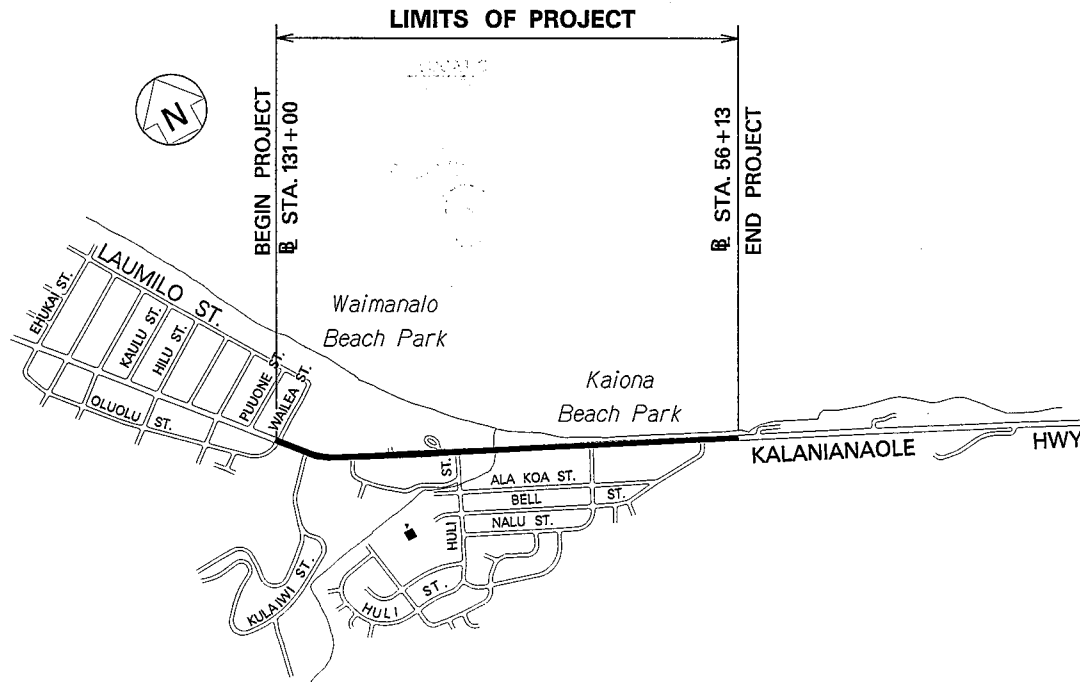
To Honolulu

INTERSTATE ROUTE H-3

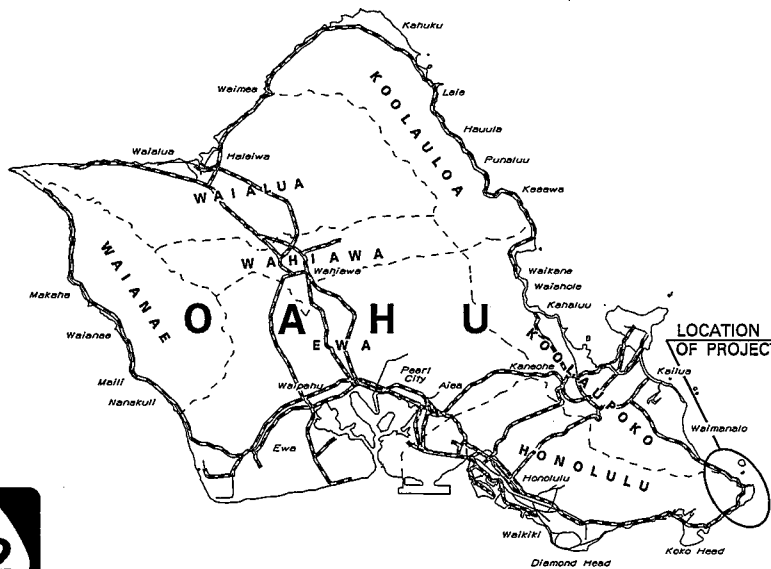
Pali Golf Course

KAMEHAMEHA HWY
To Honolulu

0S23



LAYOUT PLAN



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KALANIANA'OLE HWY. BICYCLE IMPROVEMENTS
VICINITY OF WAIMANALO BEACH PARK TO KAIONA BEACH PARK

Federal-Aid Project No. NH-0072-1(49)

DISTRICT OF KOOLAUPOKO
Island of Oahu



Inoa'ole Bridge Replacement Kalaniana'ole Highway, Waimānalo

101 loc map/012209 r2

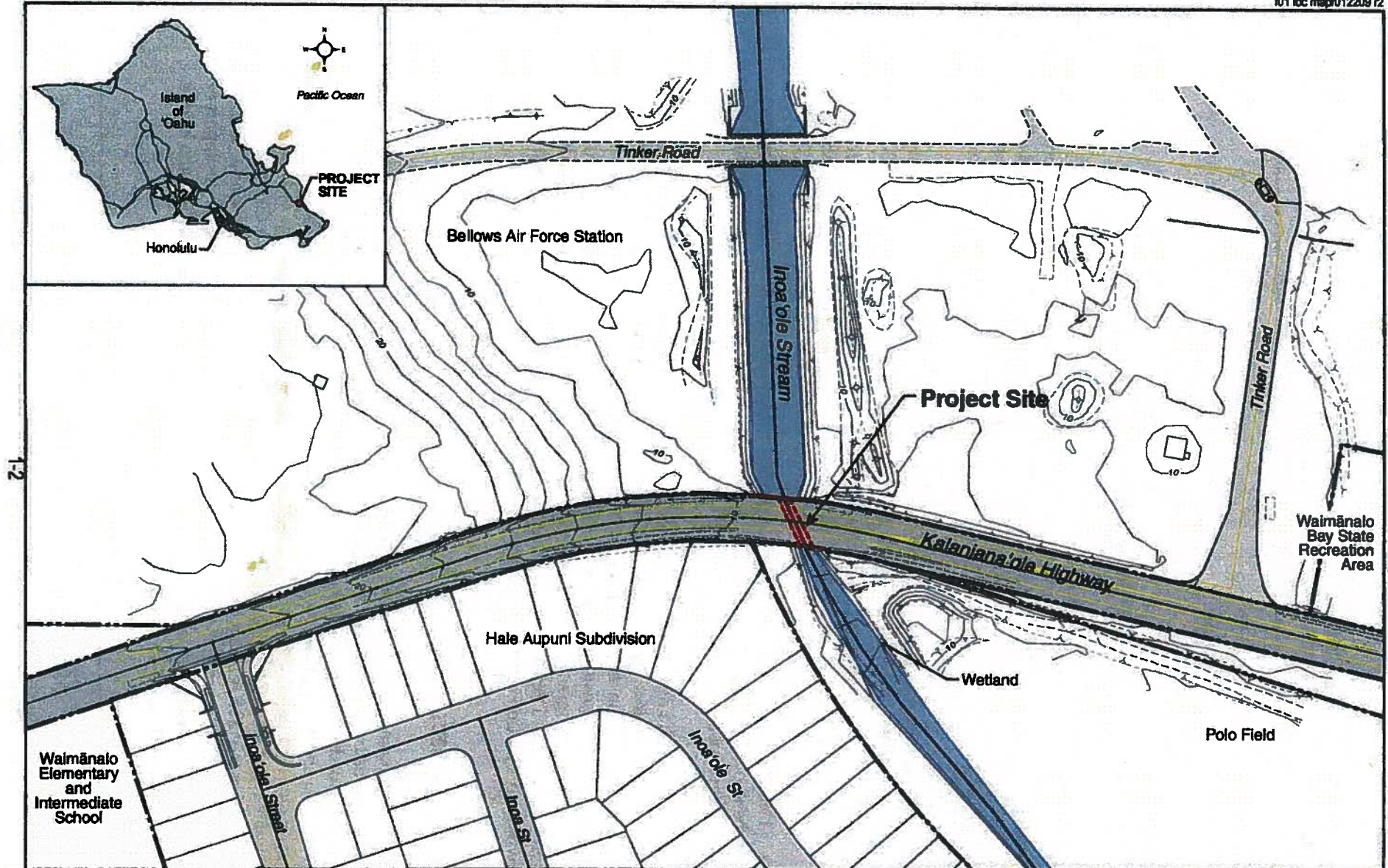


Figure 1
Location Map
February 2009

TRN 501

OS25

OS26

S231

KALANIANA'OLE HIGHWAY

WAIMANALO TOWN SECTION, OAHU

OLOMANA GOLF COURSE TO
WAIMANALO BEACH PARK

OLOMANA
GOLF COURSE

BELLOWS
AIR FORCE
STATION

KALANIANA'OLE



ALOILOI ST.

WAIMANALO

HIGHWAY

WAIMANALO
BEACH PARK

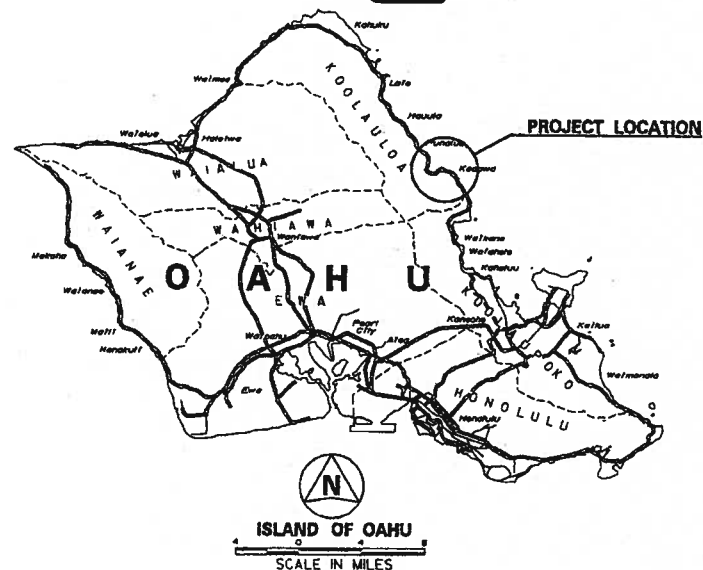
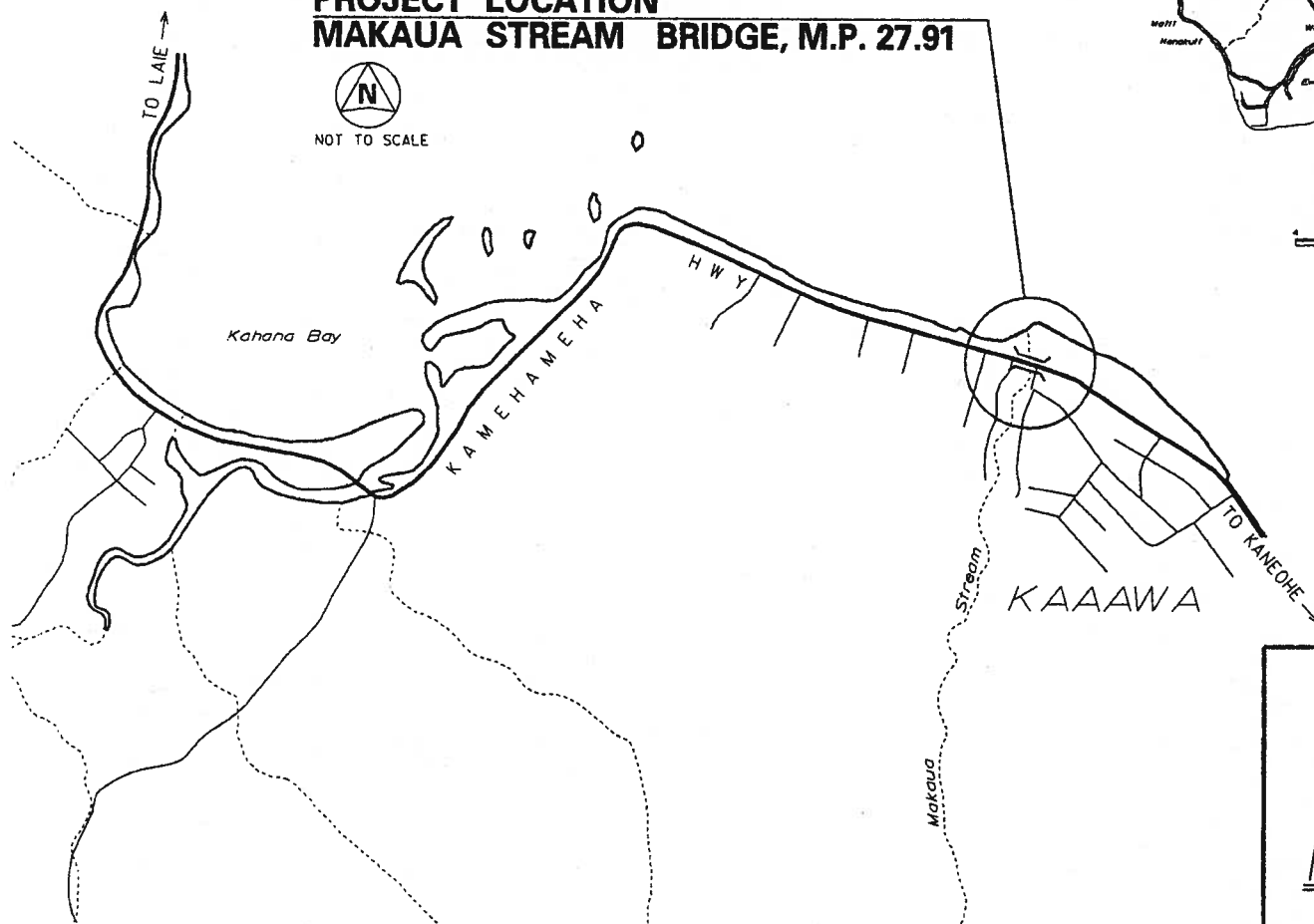
HUI ST.



PROJECT SITE



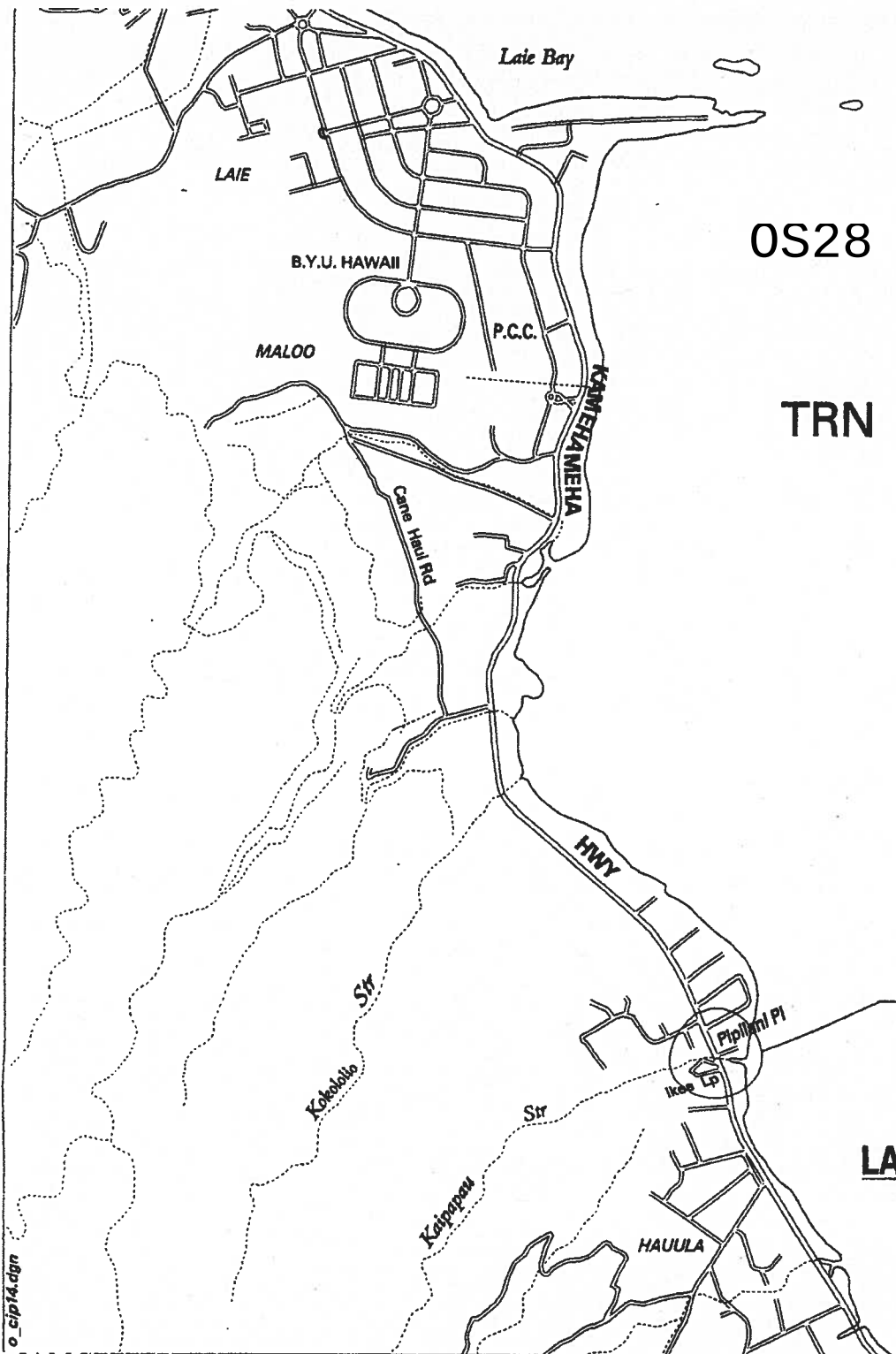
NOT TO SCALE



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KAMEHAMEHA HIGHWAY
Makaua Stream Bridge Rehabilitation
FED. AID PROJ. NO.

ISLAND OF OAHU



OS28

TRN 501

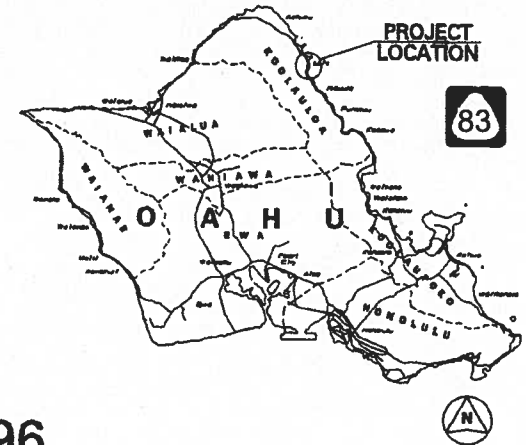
S296



LOCATION OF PROJECT

LAYOUT PLAN

Not to Scale



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KAMEHAMEHA HIGHWAY

KAIPAPAU STREAM BRIDGE

REPLACEMENT

FED. AID PROJ. NO.

ISLAND OF OAHU

0S29

TRN 501

S307

**KAMEHAMEHA HWY, KALUANUI
STRM BRIDGE REPLACEMENT, OAHU**

Pokiwai Pl

KAMEHAMEHA HWY

Road to Sacred Falls Trail

Kaluanui Str

Sacred Falls
State Park

Kaluanui Str
Bridge

Kaluanui
Beach

Puhuli



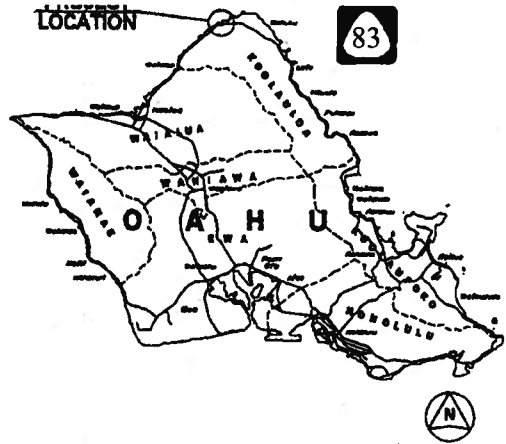
LOCATION



OS30

TRN 501

S297



LOCATION OF PROJECT

Kawela Bay

Turtle Bay

*Turtle Bay
Golf & Tennis
Resort*

KULIMA

DR

HWY

Str

Kawela

KAWELA

CAMP

DR

KAMEHAMEHA

LAYOUT PLAN
Not to Scale

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KAMEHAMEHA HIGHWAY
KAWELA STREAM BRIDGE
REPLACEMENT
FED. AID PROJ. NO.

ISLAND OF OAHU

o.cip13.dgn

BEGIN PROJECT

STA. 18.31

2. STA. 18.31

END PROJECT

Malaekahana State
Recreation Area

Laieloa Stream Bridge

Laie Beach

Hukilau
Park

KAMEHAMEHA ST.



HALE LA A BLVD.

NANILOA

Brigham Young University

NAUPAKA ST.
ANEMOKU ST.

NAUPAKA
ANEMOKU ST

Laie Shopping
Center

LOOP

HIGHWAY

83

LOCATION
OF PROJECT

LAYOUT PLAN

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KAMEHAMEHA HIGHWAY

LAILOA STREAM BRIDGE

REPLACEMENT

PROJECT NO. BR-083-1(58)

DISTRICT OF KOOLAULOA
ISLAND OF OAHU

LOCATION PLAN

SCALE IN MILES

MILE POST 18.31

TRN 501 S306
KAMEHAMEHA HWY, SOUTH KAHANA
STRM BRIDGE REPLACEMENT, OAHU

OS32

Kahana Bay

*North Kahana
Str Bridge*

*Kahana Valley
State Park*

*South Kahana
Str Bridge*

Trout Farm Rd

KAMEHAMEHA HWY





LOCATION PLAN
Not to Scale

The map shows a network of roads and streams. **KAMANEHAMEHA HWY** runs vertically on the right. **KAM. HWY** runs diagonally from the bottom right towards the center. **KAMANANUI ROAD** runs diagonally from the bottom left towards the center. **KAUKONAHUA ROAD** runs diagonally from the center towards the top left. **Poamoho Stream** is shown in two locations: one flowing from the top left towards the center, and another flowing from the top right towards the center. **UPPER STREAM** is labeled on the right side, pointing to a small circle on **KAM. HWY**. The area between **KAMANANUI ROAD** and **KAUKONAHUA ROAD** contains several rectangular shapes representing buildings.

Not to Scale

KAMEHAMEHA HIGHWAY
Upper Poamoho Stream Bridge Replacement
Fed. Aid Project No.

ISLAND OF OAHU

TRN 501

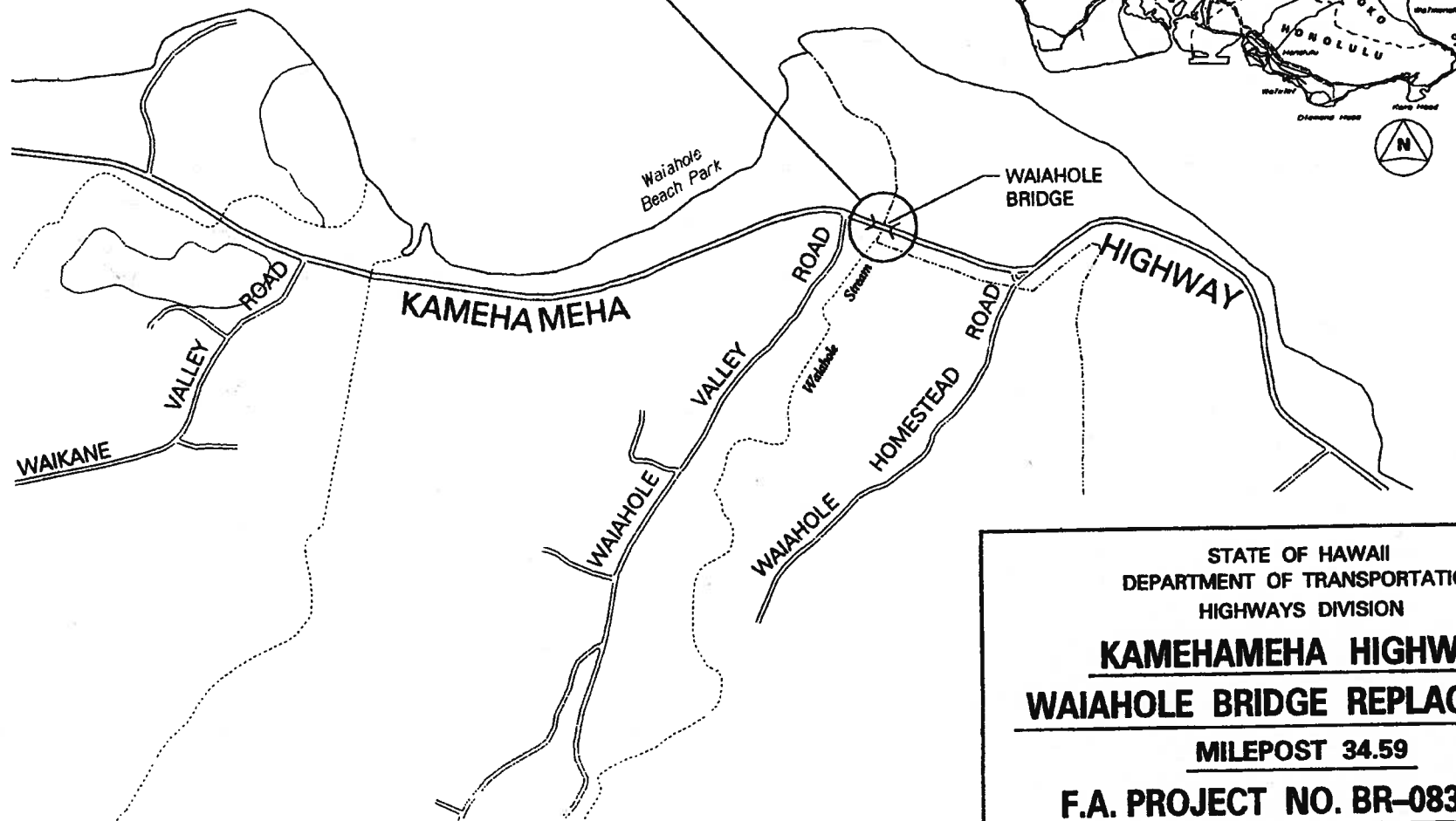
S230

OS34



PROJECT LOCATION

LOCATION OF
PROJECT



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

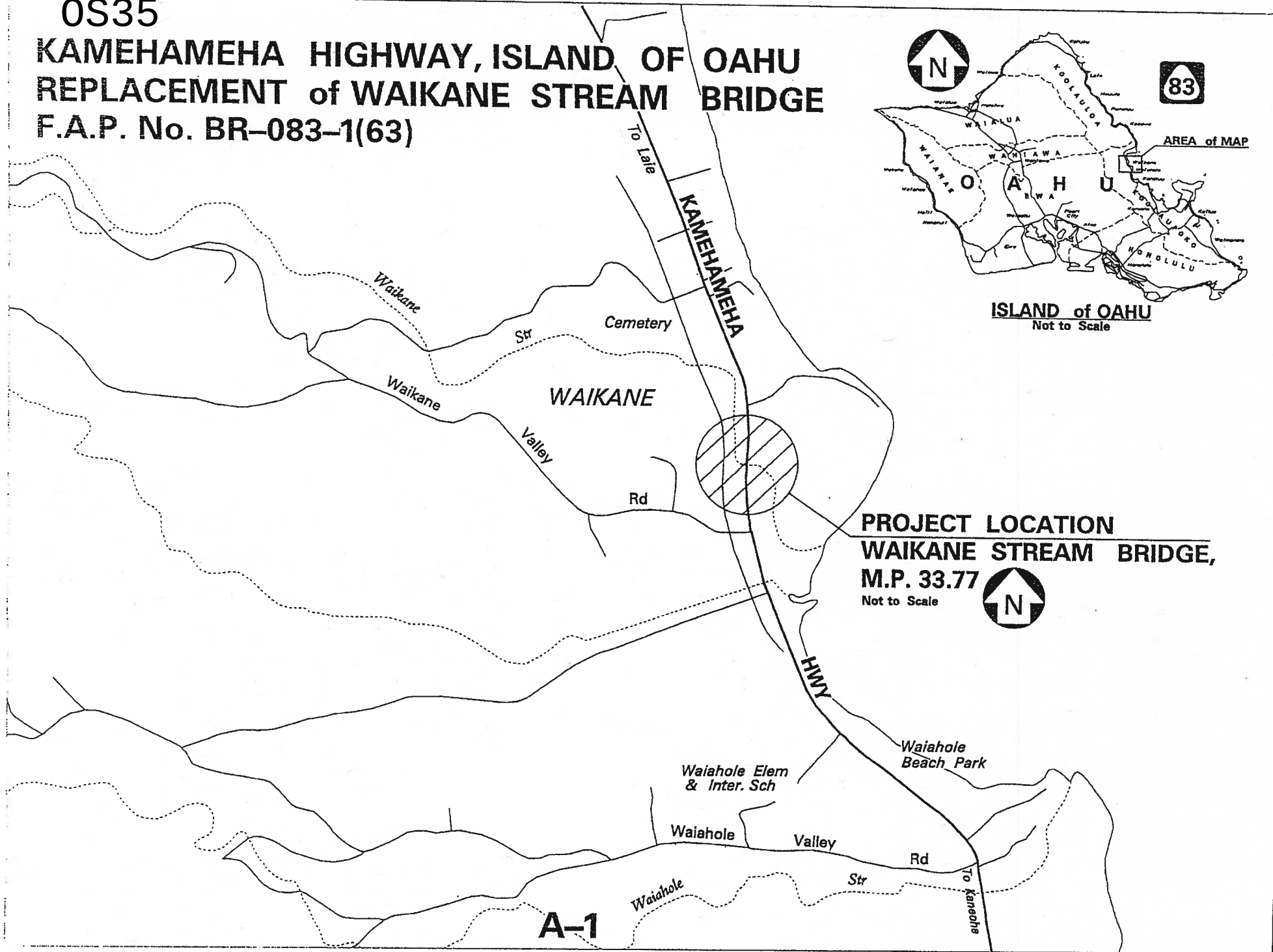
KAMEHAMEHA HIGHWAY
WAI AHOLE BRIDGE REPLACEMENT

MILEPOST 34.59

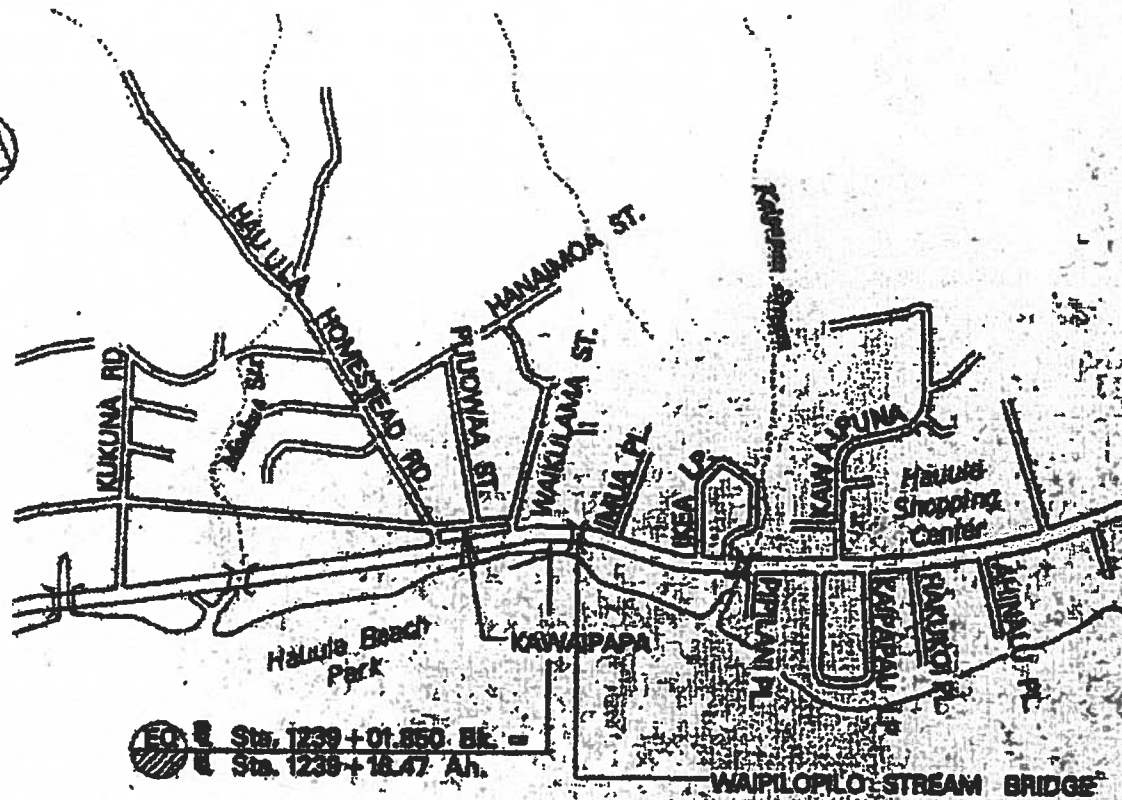
F.A. PROJECT NO. BR-083-1(37)

Island of Oahu

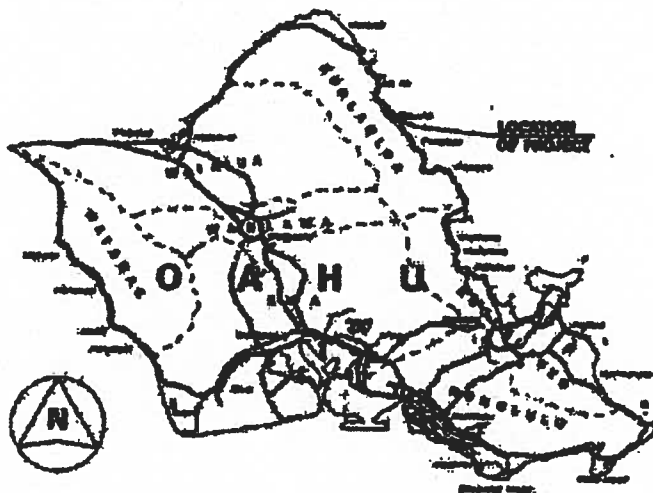
OS35
KAMEHAMEHA HIGHWAY, ISLAND OF OAHU
REPLACEMENT of WAIKANE STREAM BRIDGE
F.A.P. No. BR-083-1(63)



OS36



LOCATION PLAN



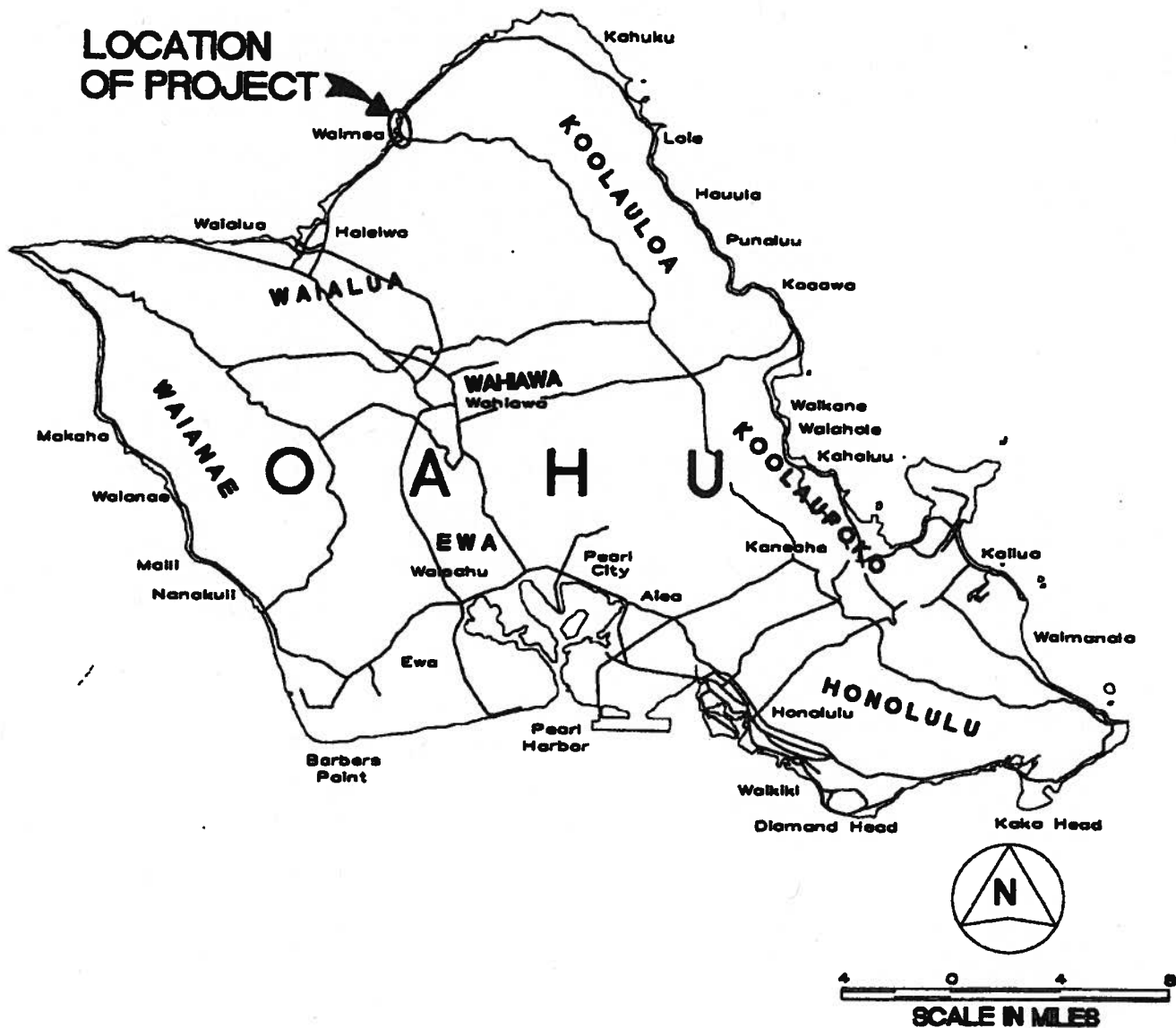
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KAMEHAMEHA HIGHWAY REHABILITATION OF WAIPIOLO STREAM BRIDGE

DISTRICT OF KOOLAULOA
Island of Oahu

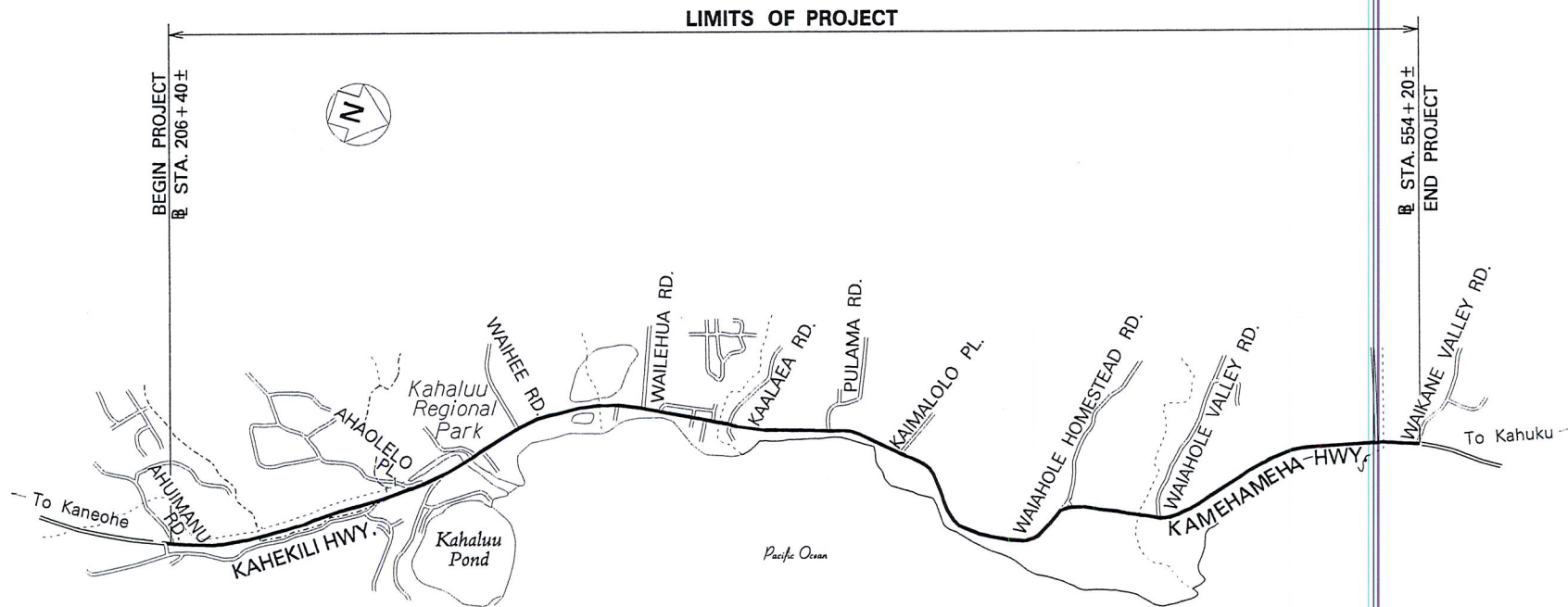
OS37

Kamehameha Highway, Rockfall Protection at Waimea Bay MP 5.4 to MP 5.52

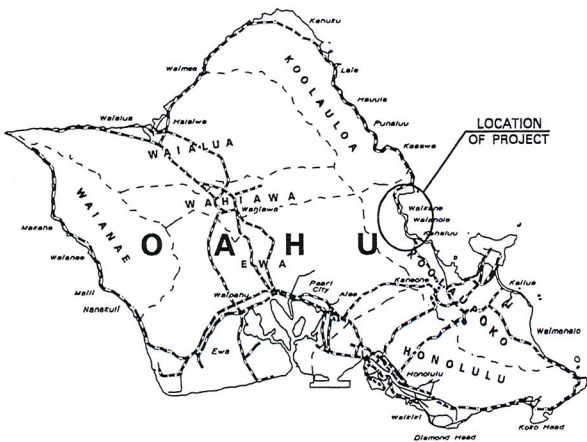
**TRN 595**

X227.

OS51



LAYOUT PLAN



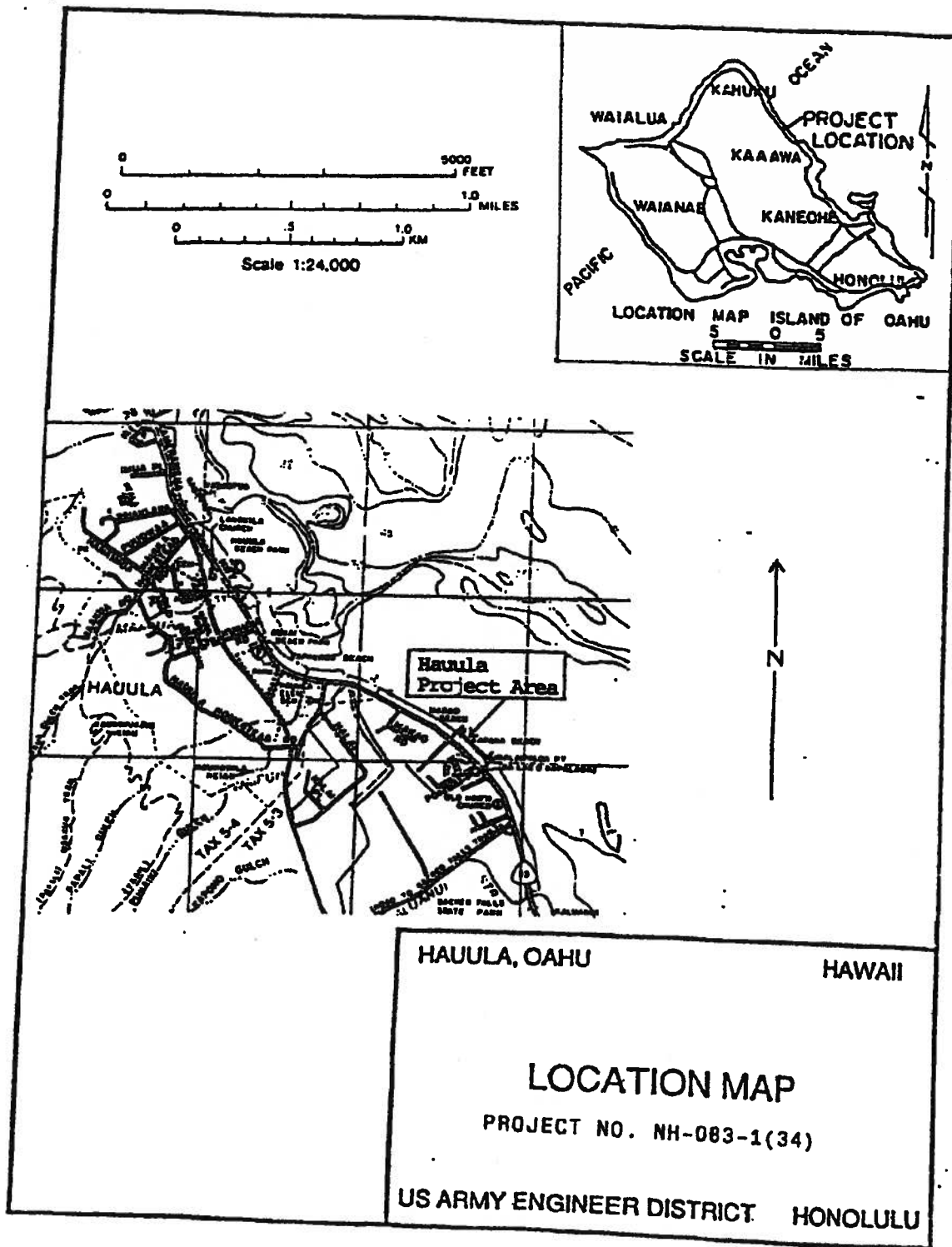
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KAMEHAMEHA HIGHWAY
SAFETY IMPROVEMENTS
WAIKANE VALLEY ROAD TO
THE VICINITY OF KAHEKILI HIGHWAY
PROJECT NO. HSIP-083-1(66)

DISTRICT OF KOOLAUPOKO
ISLAND OF OAHU

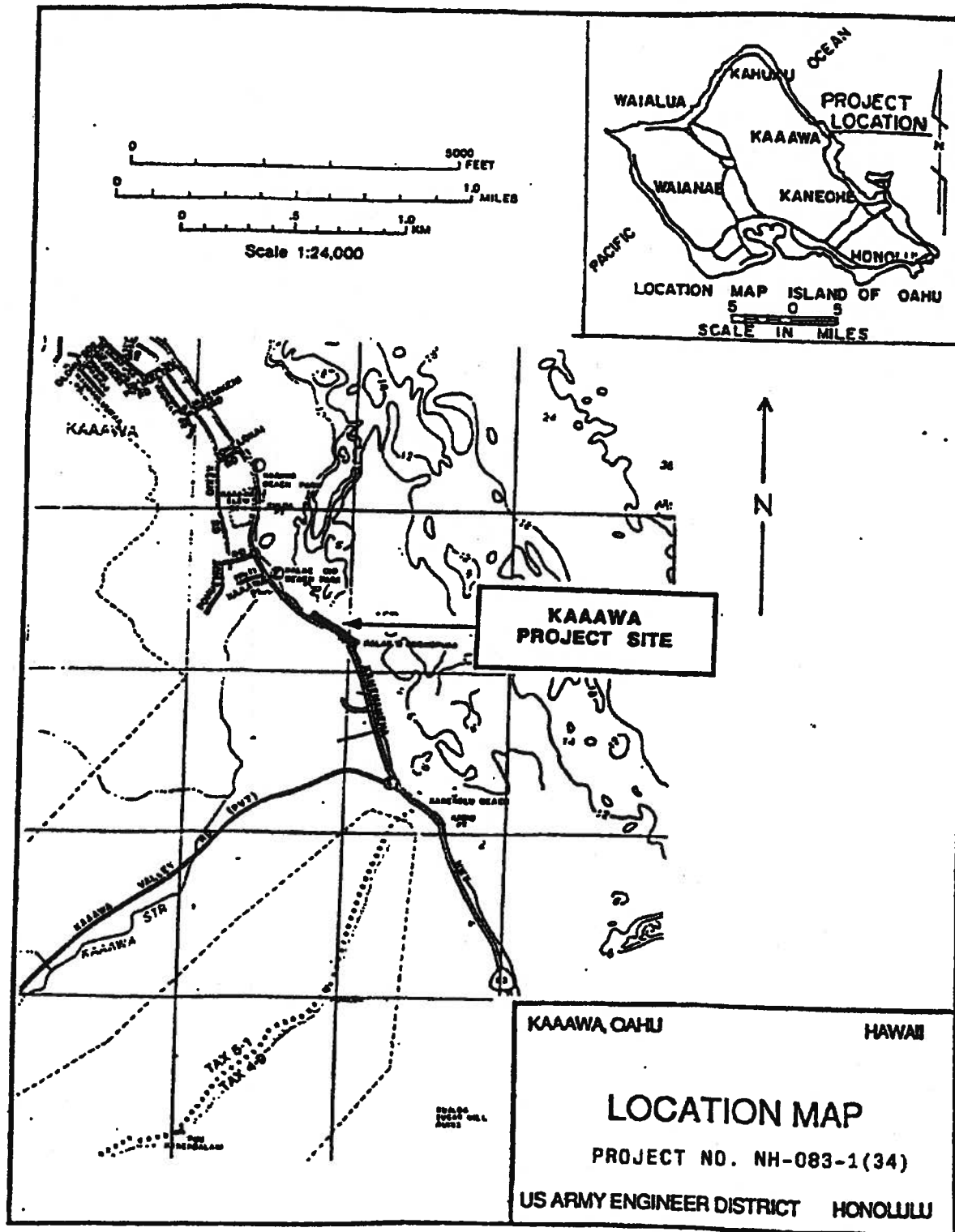
0538

Kamehameha Highway, Shoreline Protection,
Vicinity of Hauula

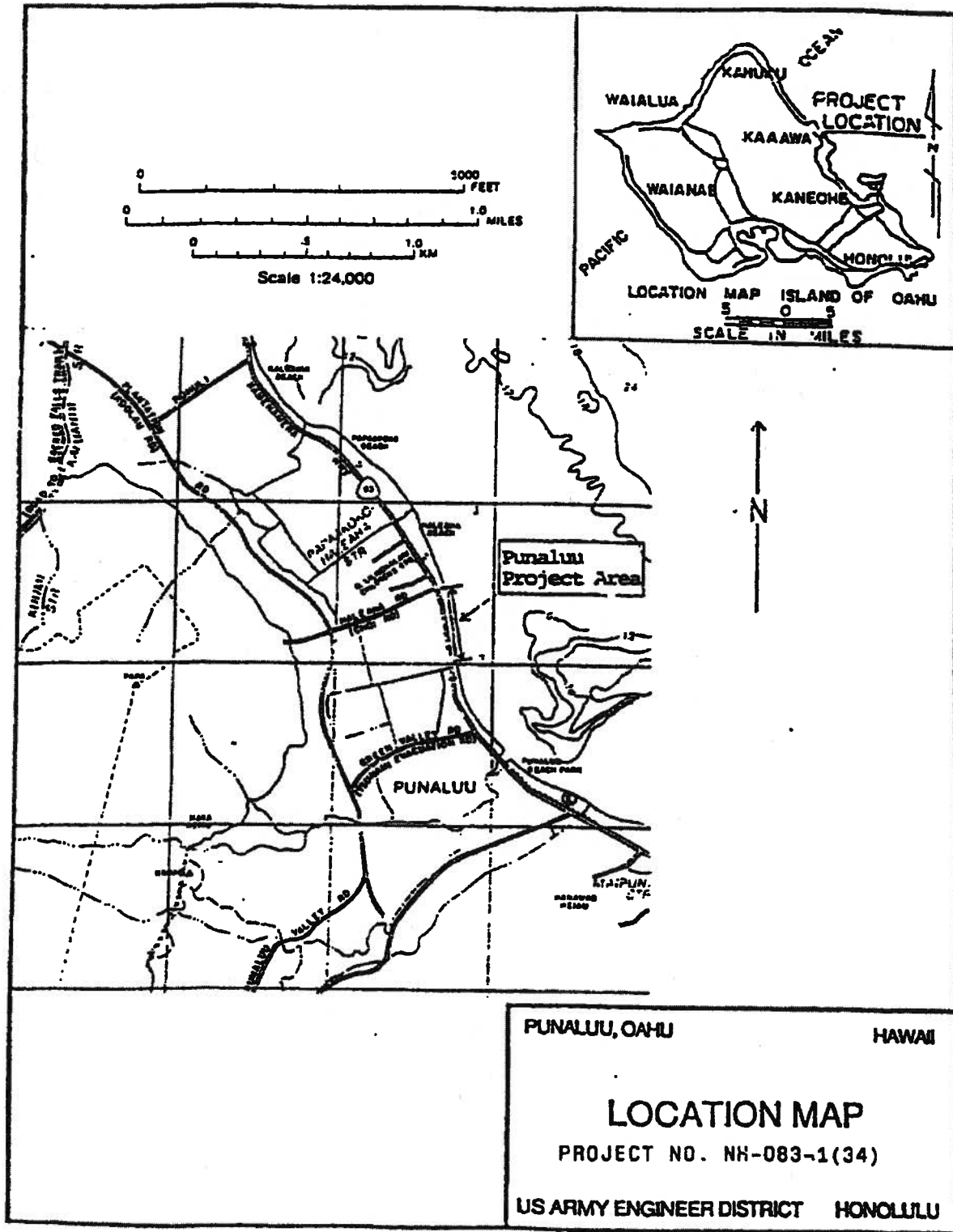


0S39

Kamehameha Highway Shoreline Protection, Vicinity of Kaaawa

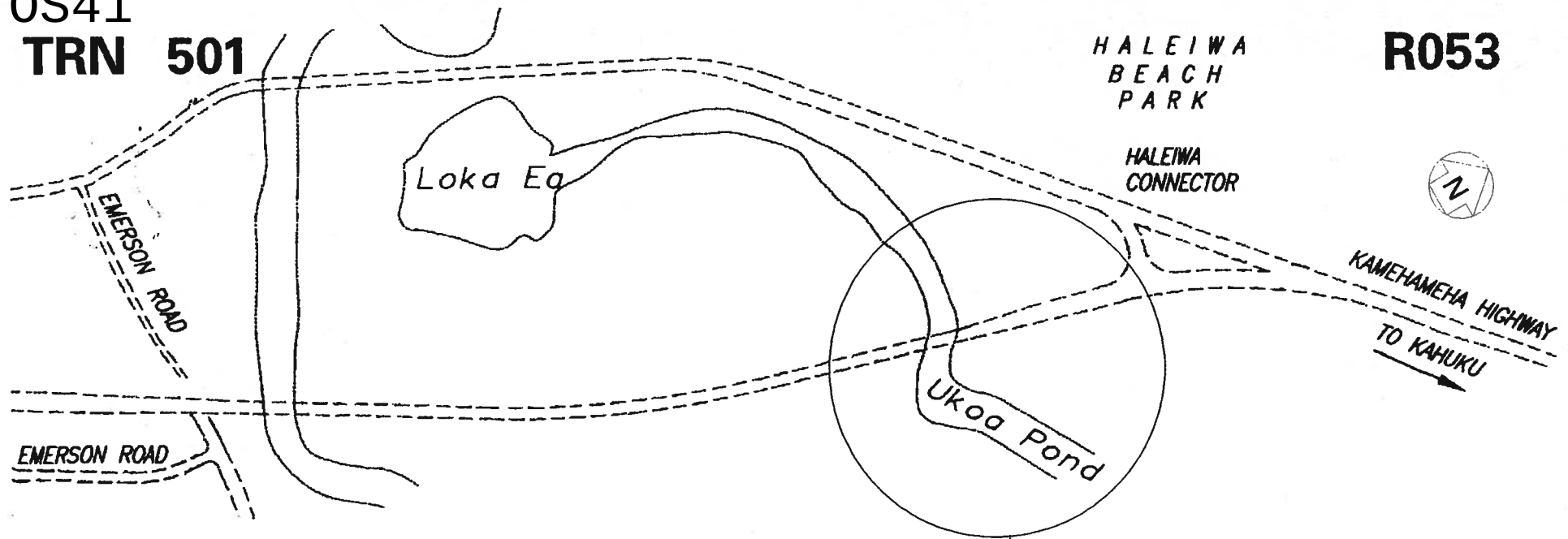


Kamehameha Highway, Shoreline Protection, Vicinity of Punaluu



TRN 501

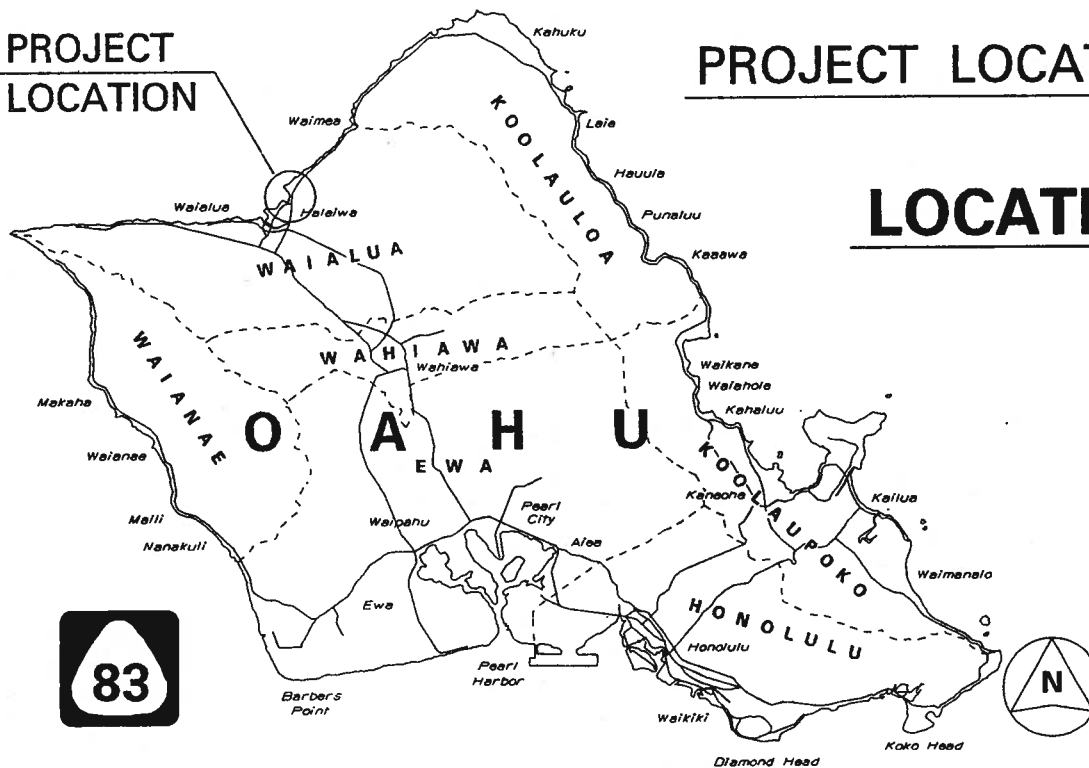
R053



PROJECT LOCATION

PROJECT LOCATION

LOCATION PLAN



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KAMEHAMEHA HIGHWAY

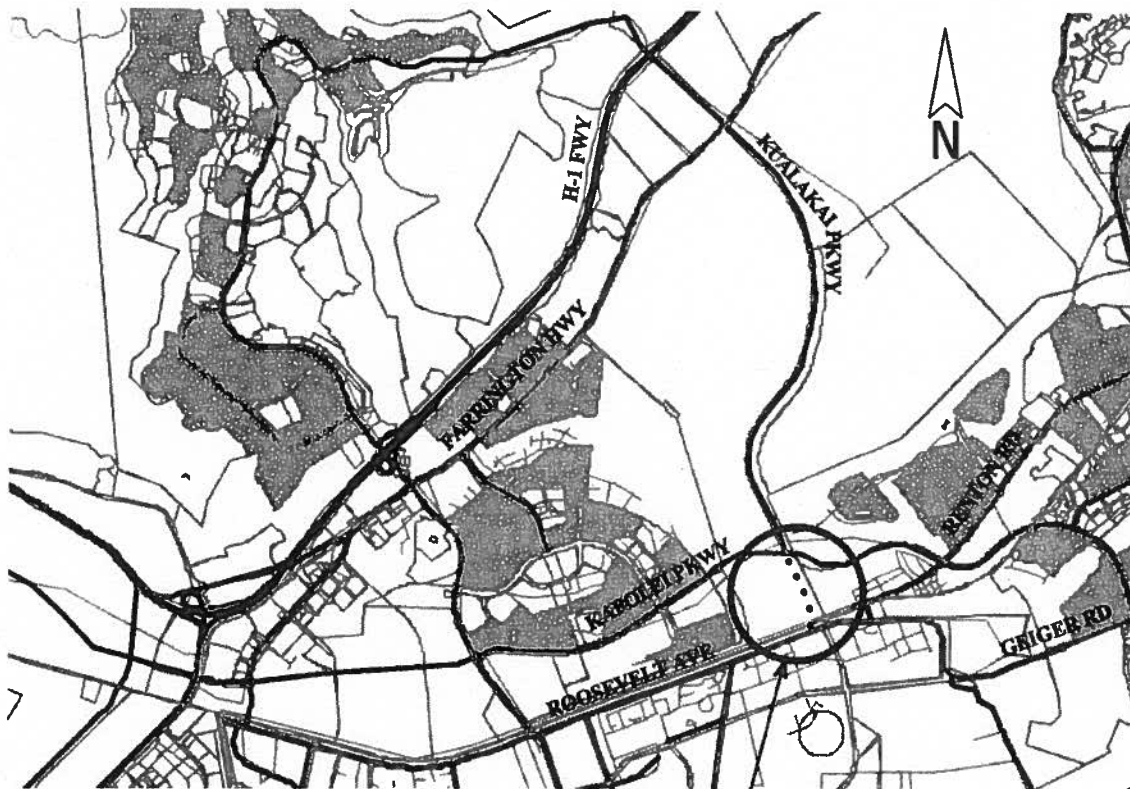
WETLAND ENHANCEMENT
VICINITY OF UKOA POND

DISTRICT OF WAIALUA
ISLAND OF OAHU

OS42

TRN 501

SP0905



KUALAKAI PARKWAY EXTENSION

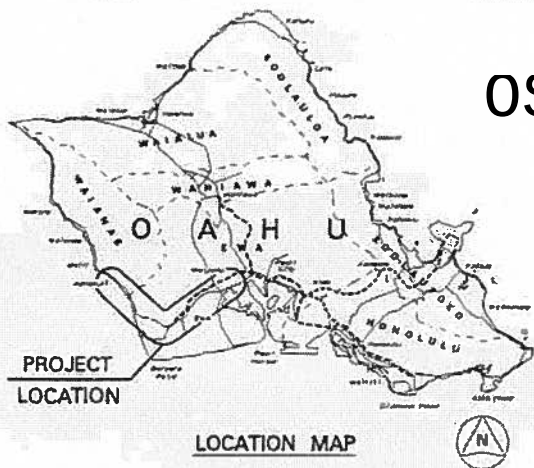


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**KUALAKAI PARKWAY EXTENSION
KAPOLEI PARKWAY TO ROOSEVELT AVENUE**

ISLAND OF OAHU
DISTRICT OF EWA

0S43



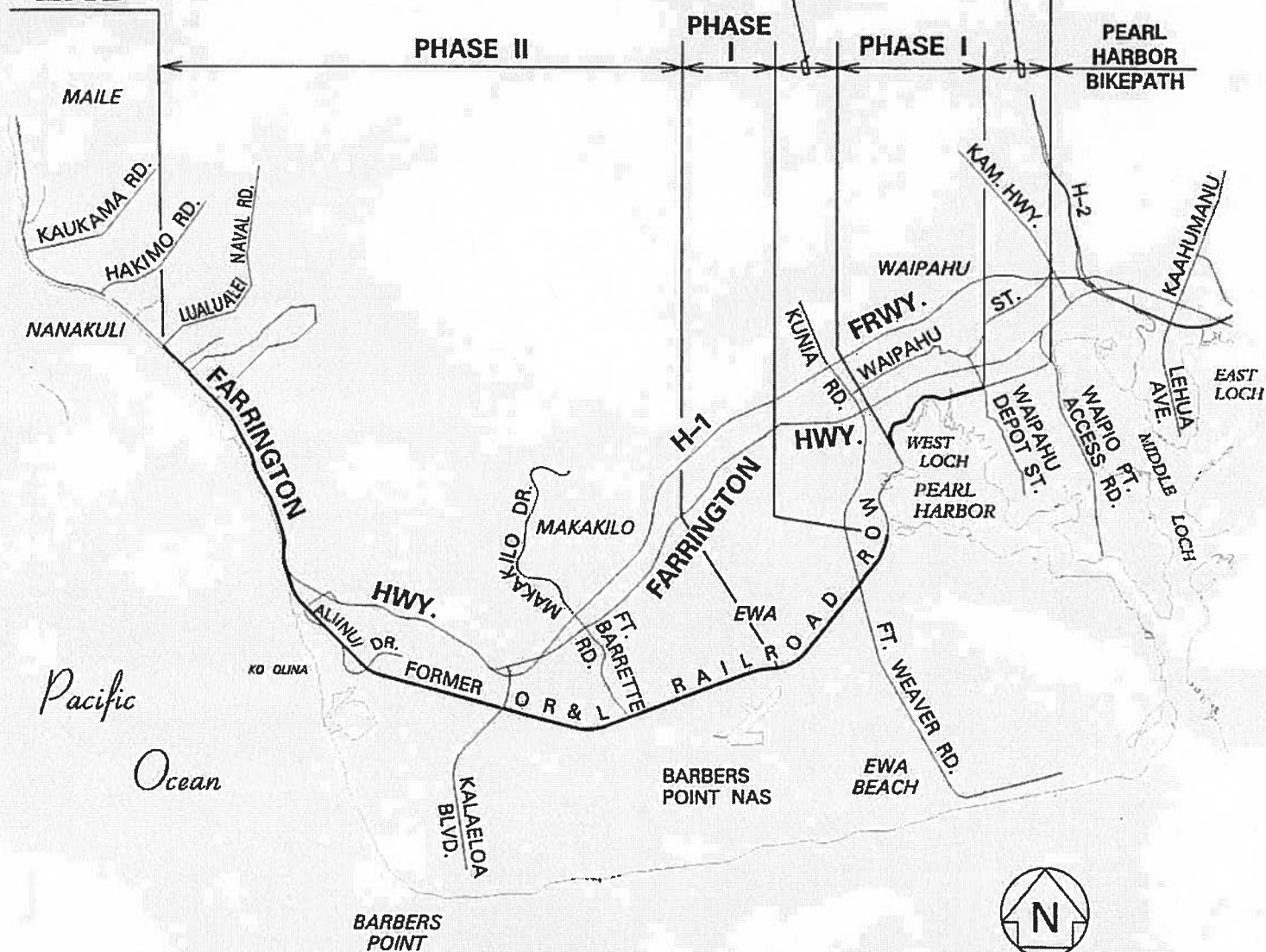
PHASE I : Waipio Point Access Rd. to Northeast end of existing West Loch Bikepath & Southwest end of existing West Loch Bikepath to the Hawaii Railway Society Train Station

PHASE II : Hawaii Railway Society Train Station to Lualualei Naval Rd.

C & C, DEPARTMENT OF
DESIGN & CONSTRUCTION'S
TEMPORARY BIKEPATH

BEGIN

END



LEEWARD BIKEWAY

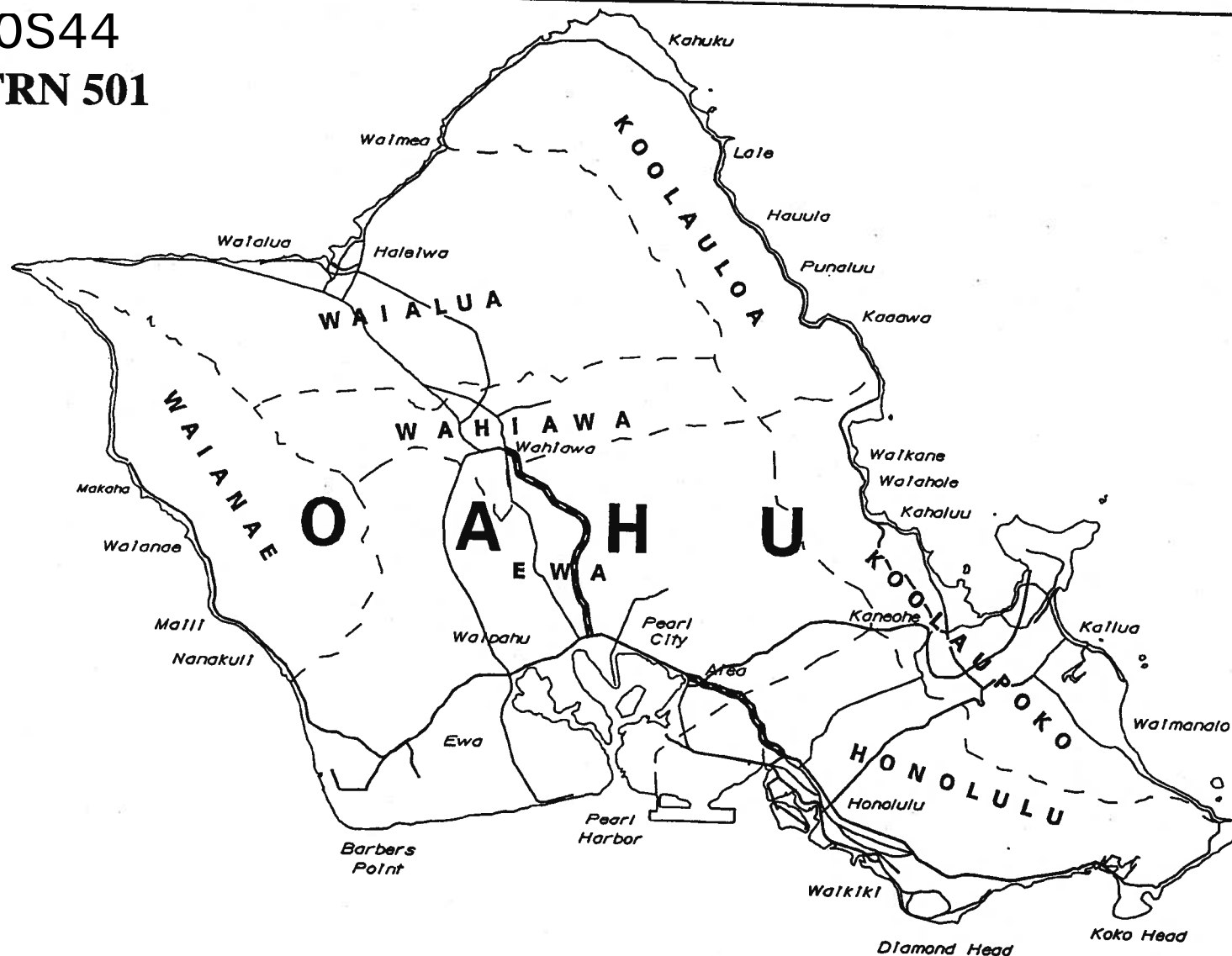
WAIPIO PT. ACCESS RD. TO LUALUALEI NAVAL RD.

DISTRICTS OF WAIANAE AND EWA, ISLAND OF OAHU

STATE OF HAWAII, DEPARTMENT OF TRANSPORTATION, HIGHWAYS DIVISION

OS44
TRN 501

S266

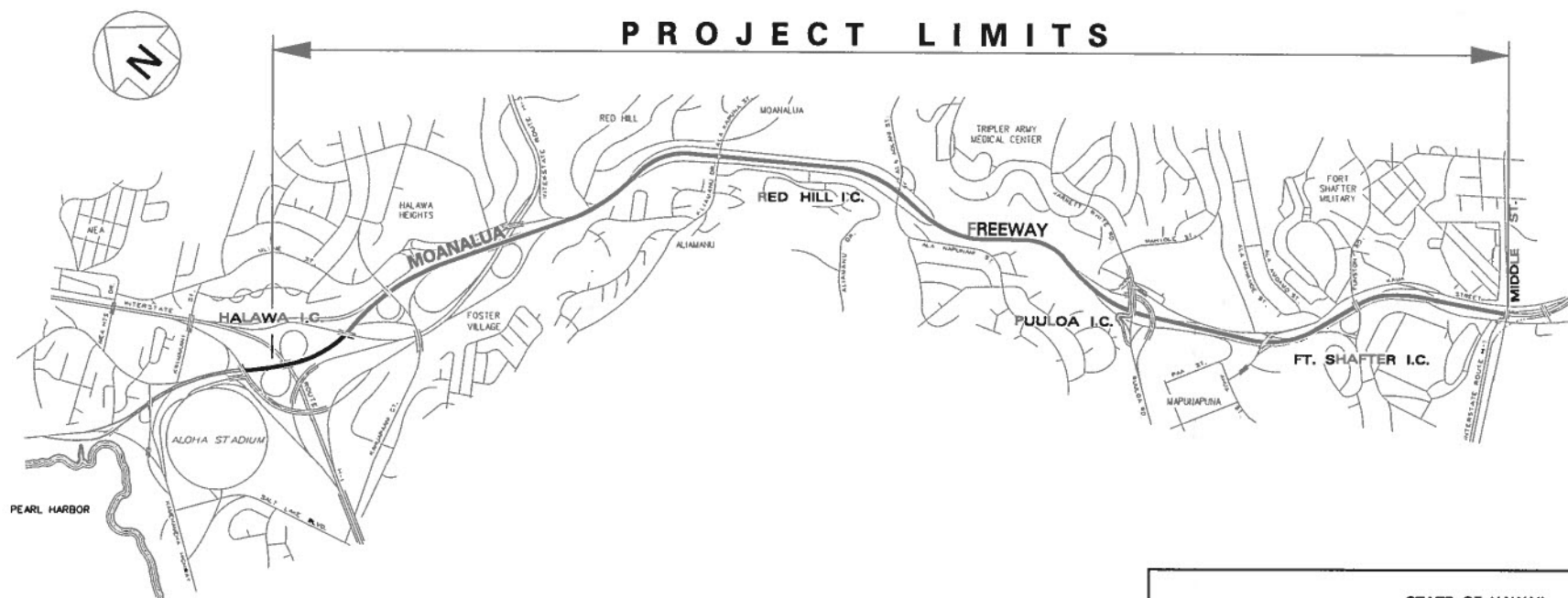
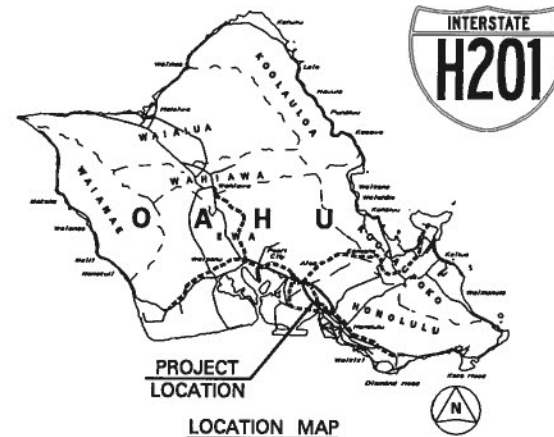


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MOANALUA FREEWAY &
H-2 FREEWAY
Guardrail and Shoulder Improvements

ISLAND OF OAHU

0S45



LOCATION PLAN

NOT TO SCALE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

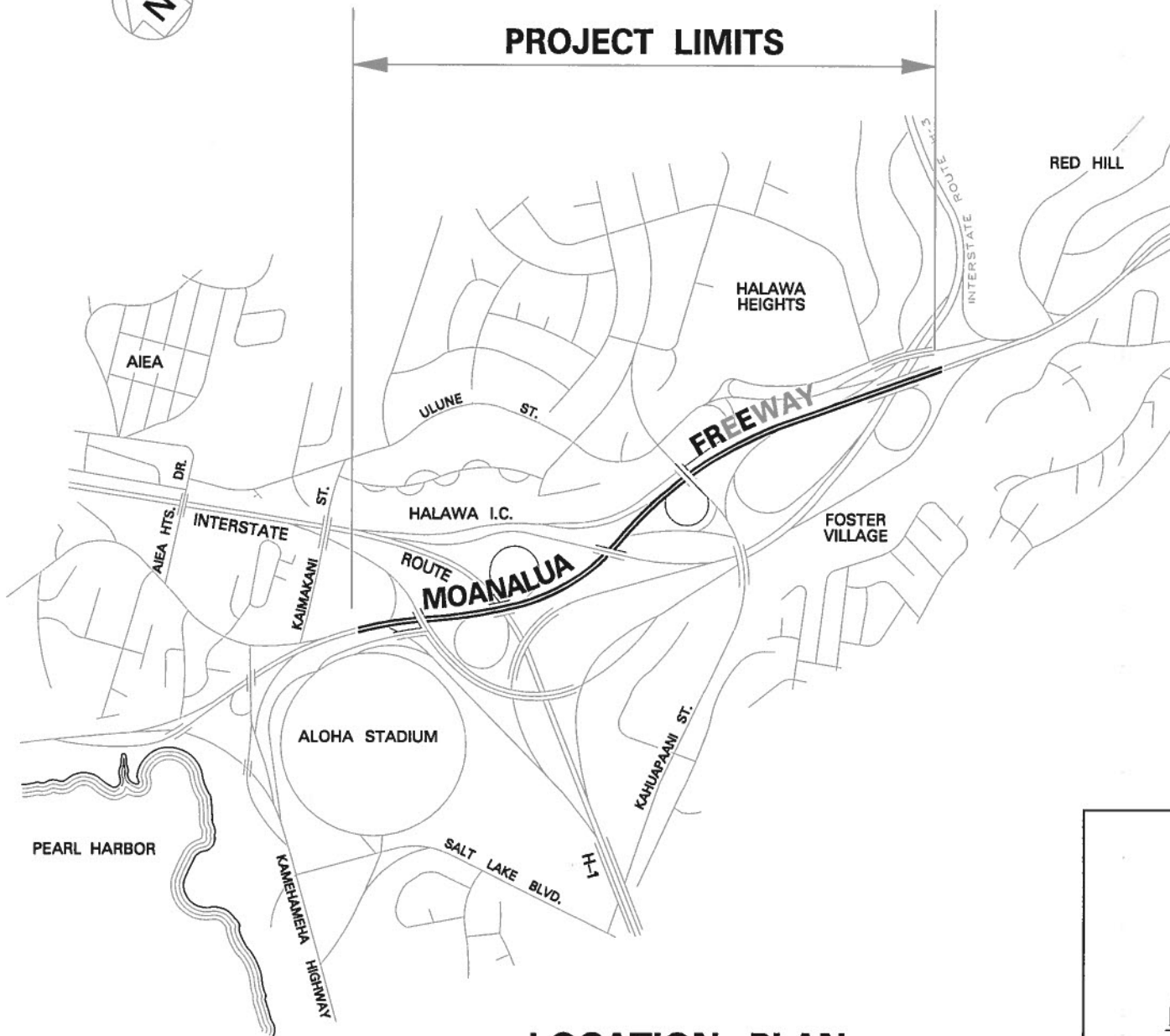
MOANALUA FREEWAY

Highway Lighting Improvements

Halawa Hts. Off-Ramp to Middle St. Overpass

MP 1.12 to MP 4.09

ISLAND OF OAHU

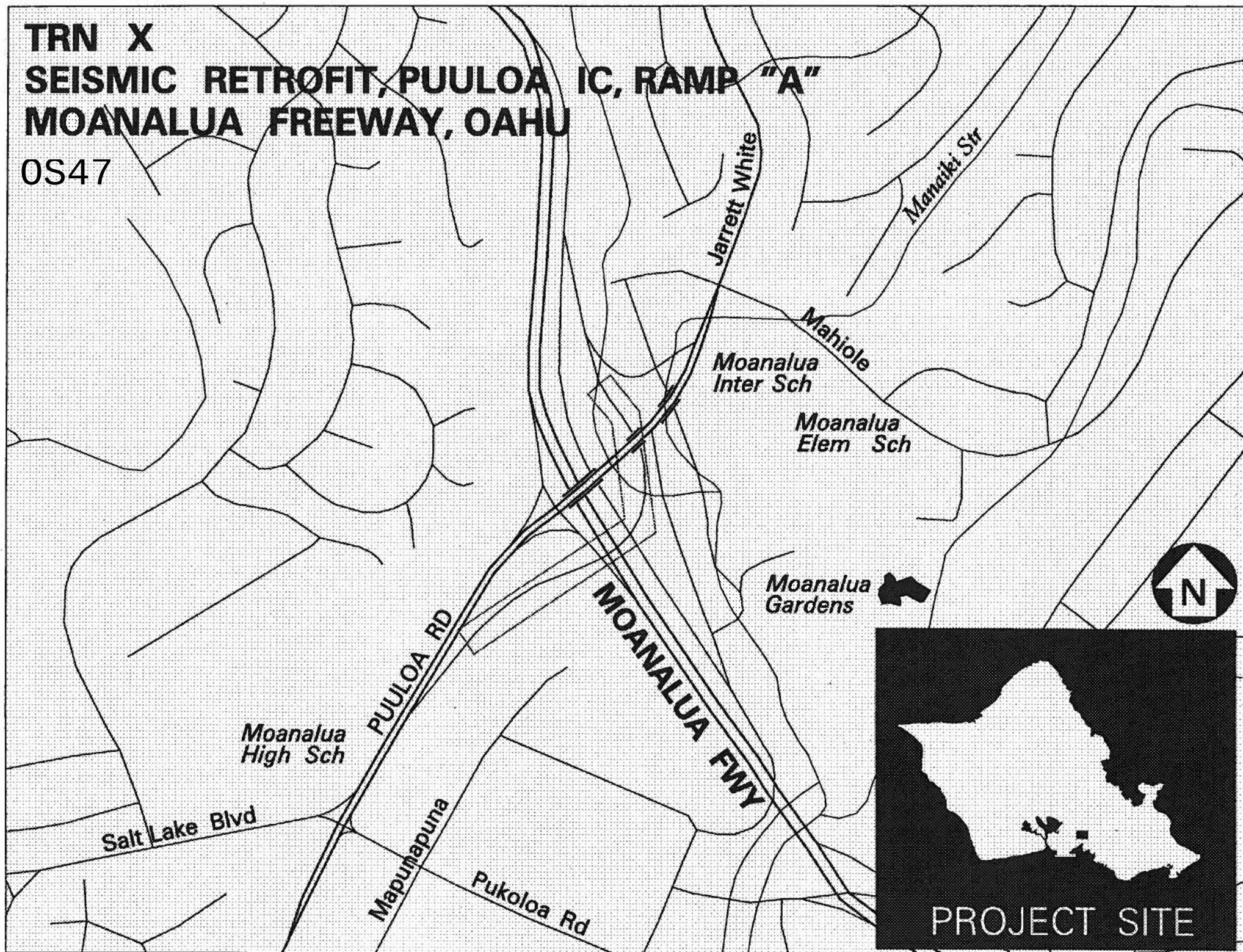


NOT TO SCALE

ISLAND OF OAHU

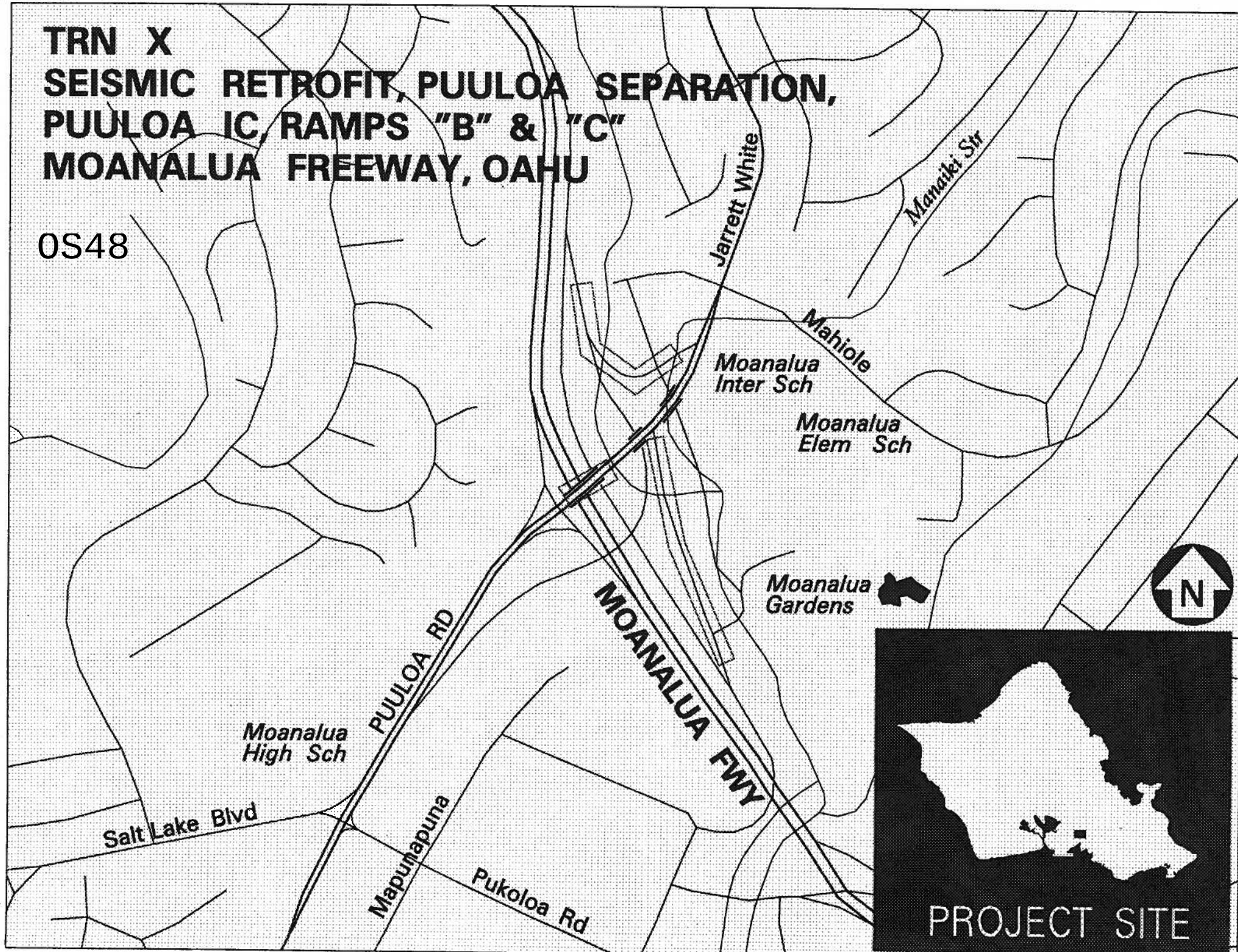
**TRN X
SEISMIC RETROFIT, PUULOA IC, RAMP "A"
MOANALUA FREEWAY, OAHU**

OS47



**TRN X
SEISMIC RETROFIT, PUULOA SEPARATION,
PUULOA IC RAMPS "B" & "C"
MOANALUA FREEWAY, OAHU**

0S48



S356



LOCATION OF PROJECT



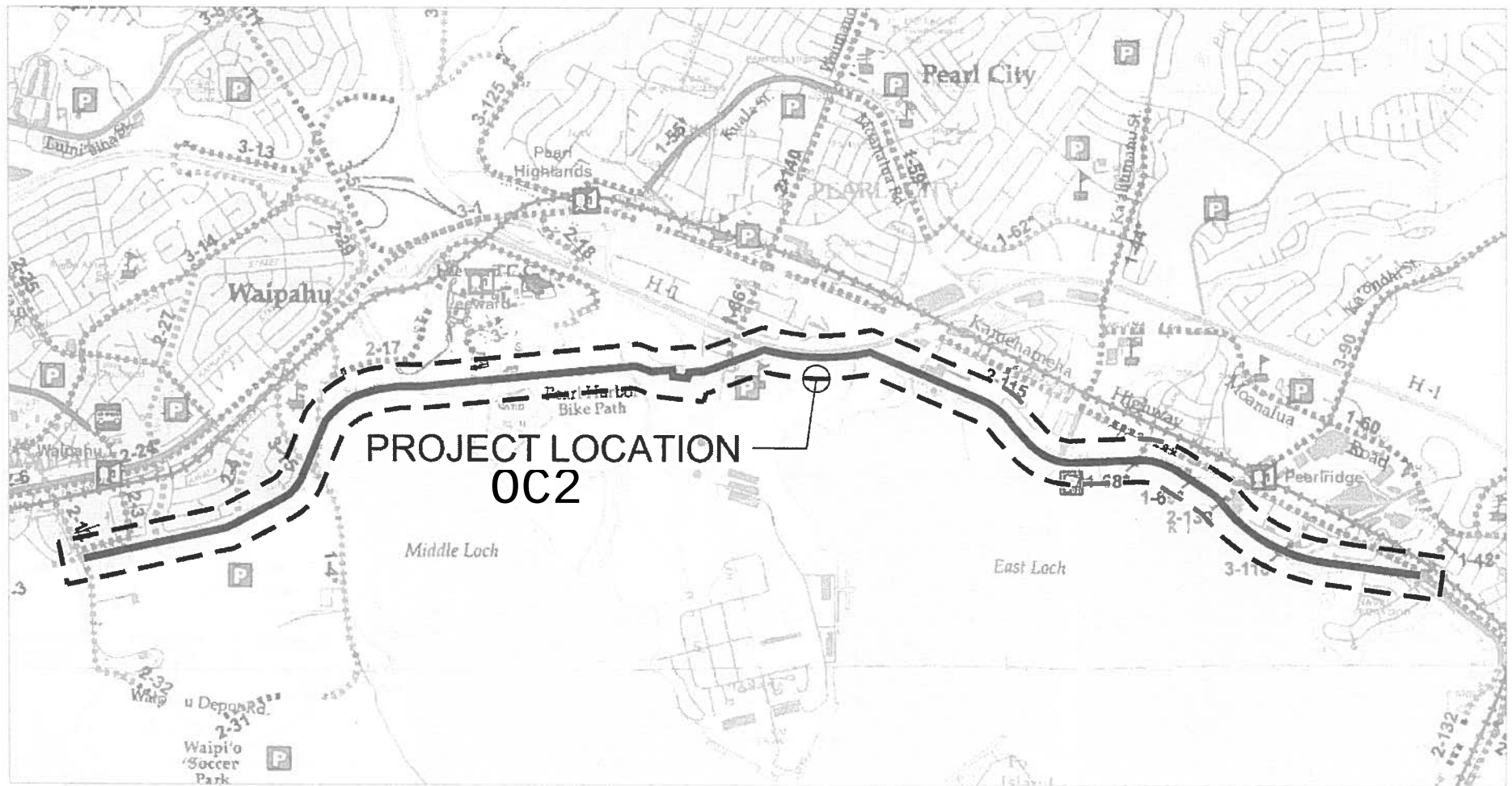
SAND ISLAND ACCESS ROAD
TRUCK WEIGH STATION

DISTRICT OF HONOLULU
ISLAND OF OAHU

HAMAKUA DRIVE BIKEWAY IMPROVEMENTS



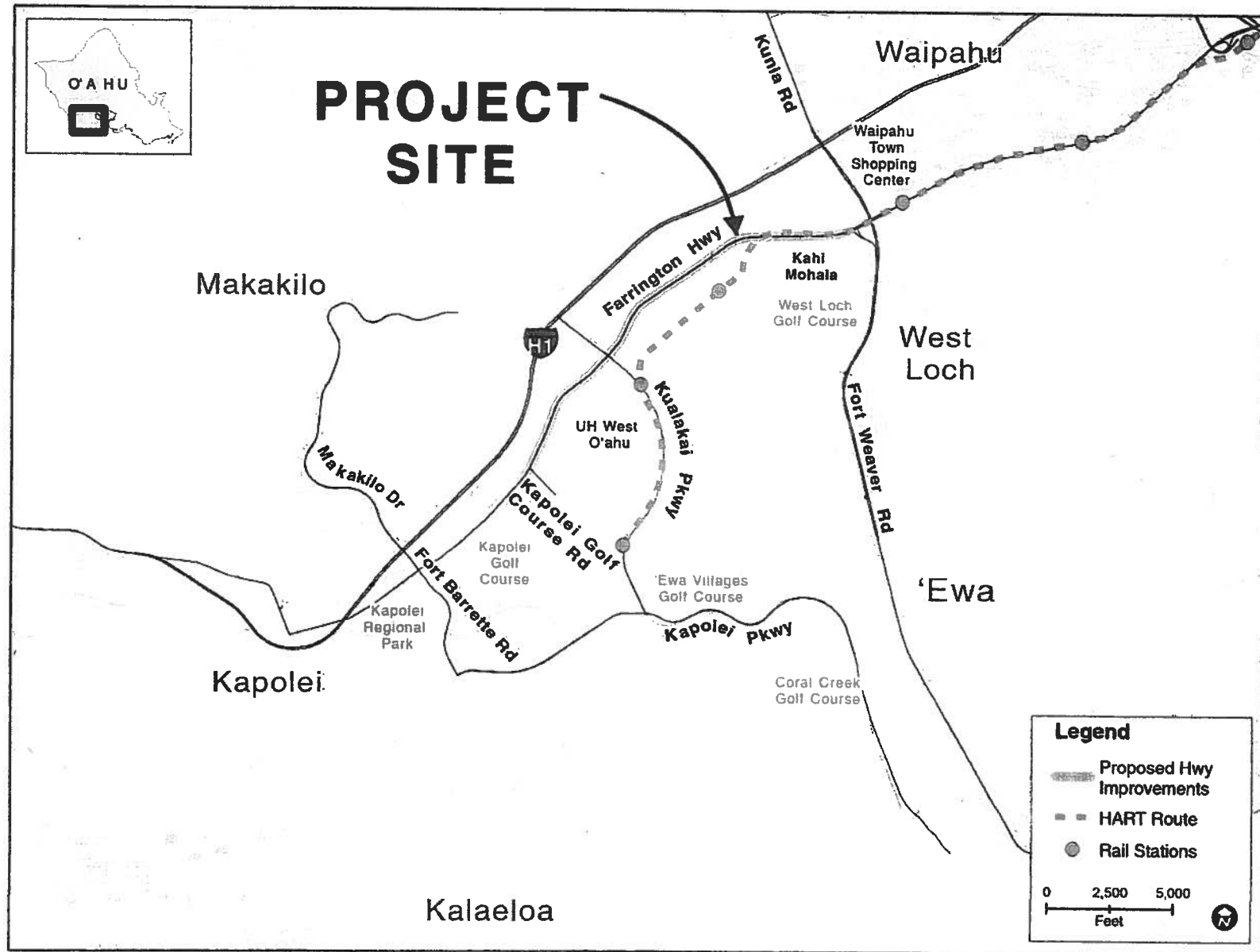
PEARL HARBOR BIKE PATH RESTORATION



LEGEND:

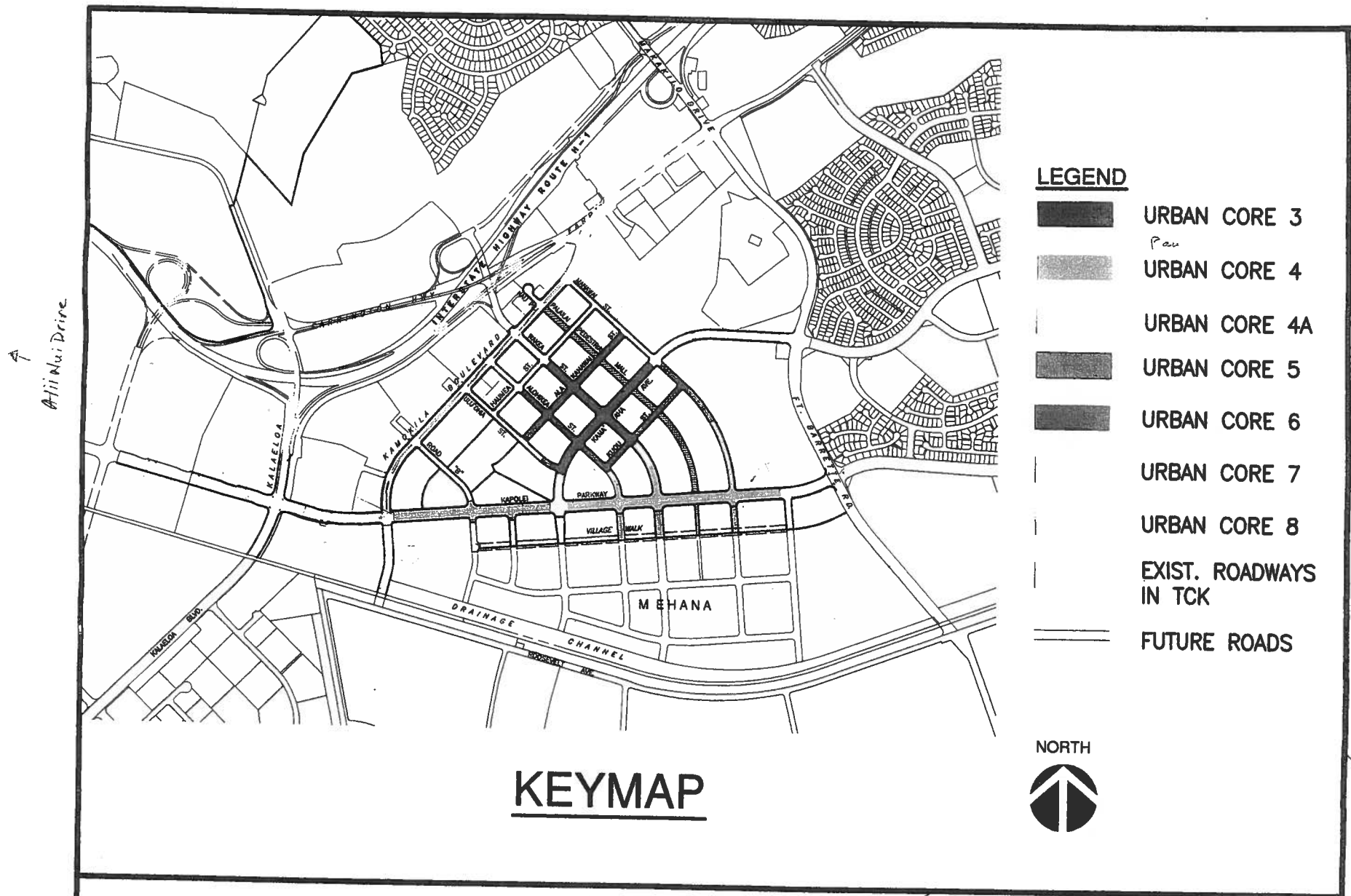
———— PEARL HARBOR BIKE PATH

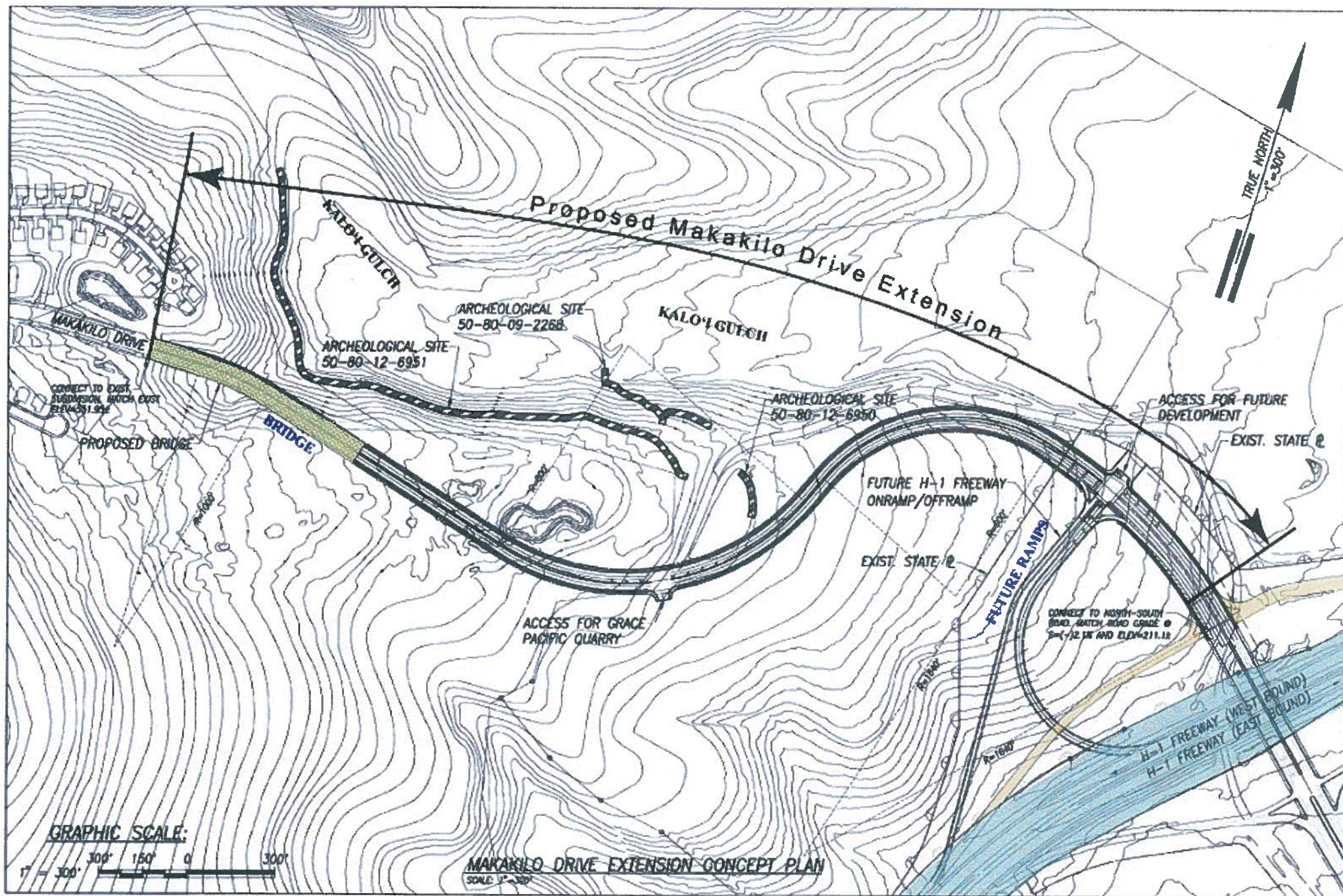
OC5



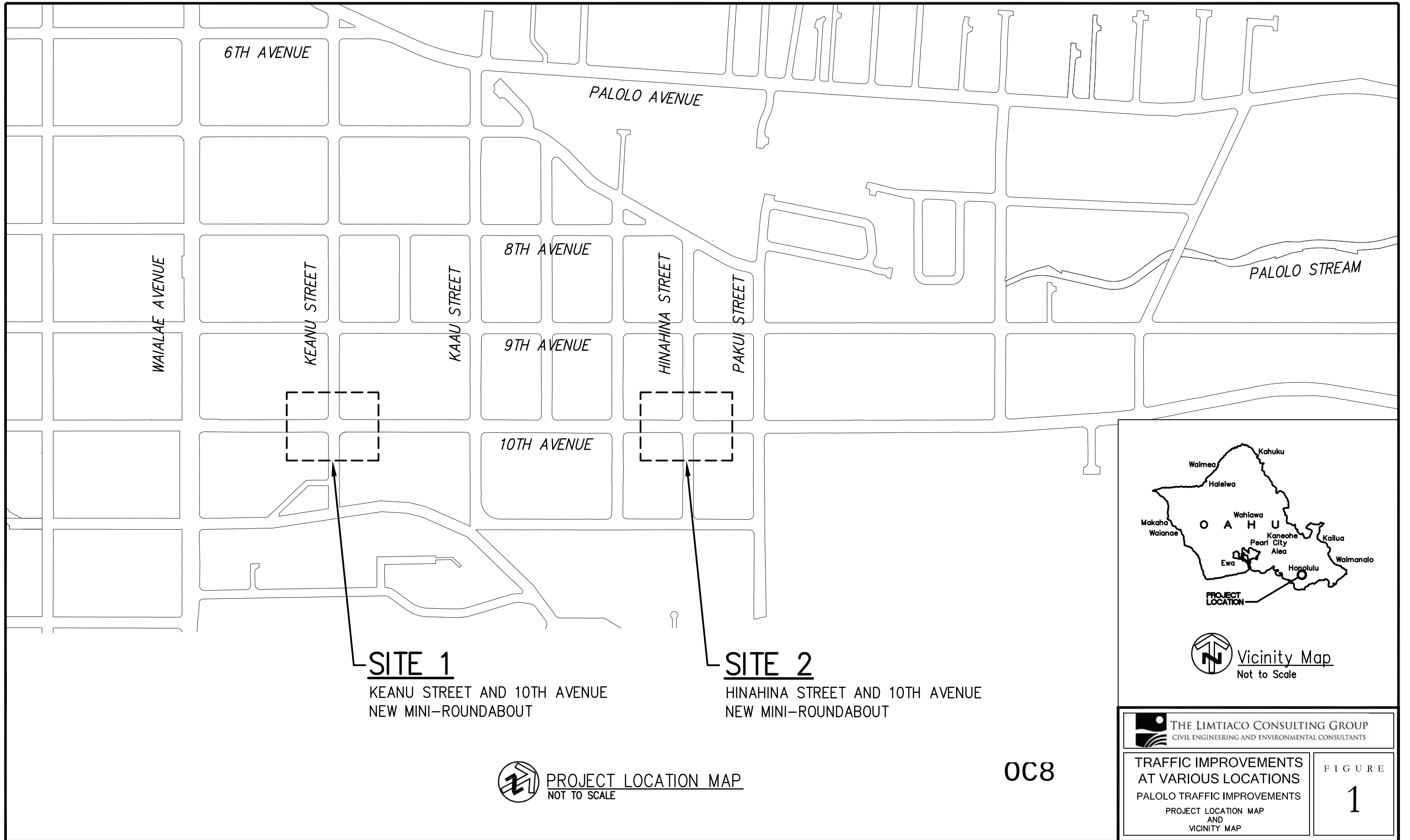
FARRINGTON HIGHWAY IMPROVEMENTS
Project Vicinity Map

OC6 - Kapa Lele Parkway Extension

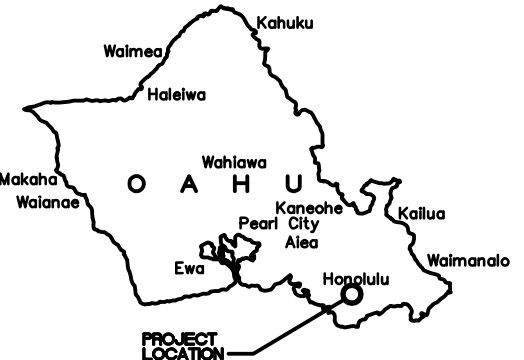




\\TLC2001\NETSHARE\PROJECTS\33 - DIS\13305 - PALOLO TOYOTA\FIG-1\PALOLO TIAL PROJECT LOCATION MAP.DWG 1/17/2014 10:27:37 AM



 **PROJECT LOCATION MAP**
NOT TO SCALE



Vicinity Map
Not to Scale



THE LIMTIACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS

**TRAFFIC IMPROVEMENTS
AT VARIOUS LOCATIONS**
PALOLO TRAFFIC IMPROVEMENTS
PROJECT LOCATION MAP
AND
VICINITY MAP

FIGURE
1

OC8

